

The Original Athlone Fellowship Newsletters

Collection assembled by

R. L. Bob Hemmings

A 1962 Athlone Fellow

From the University of Alberta

3rd Revision

October 2021

A Collection of All the Athlone Fellowship Newsletters

Introduction to the Athlone Fellowship Newsletters

In 1956 the Athlone Fellowship organizers, at the suggestion of an Athlone Fellow, began publishing Annual Athlone Fellowship Newsletters. The Newsletter itself was suggested by *John Godfrey (1954, Manitoba)* and No.1 was issued in December 1956. Except for a change of format in January 1969, it has appeared in exactly the same form yearly until the last number (16). I have used the information in these Newsletters as background for the Athlone History Document. But, more important, I was able to get a feeling as to how the Fellowship was developing, and how satisfied were the organizers of the Athlone Fellowship operations. The most "official portrait" of the Fellowship I gained from the portions extracted here, the Forward, the Management Committee Notes, the Special Notes that were marking transitions in the Management staff, Notes on Conferences, Notes on the Selection Tours, and other notes that I felt were relevant.

[For the information of anyone interested, I have pdf copies of all Newsletters from #1 to #16 and have added them to my document at the UofA Archives, where they can be accessed, and downloaded. However, note that they are all in a single pdf document of 433 pages. Also note that, although each issue included a table showing the names of all the Athlone Fellows up to the time of publication, the entire list is included at the end of the last Newsletter, number 16, so I had purged this table from some of the some of the earlier ones.]

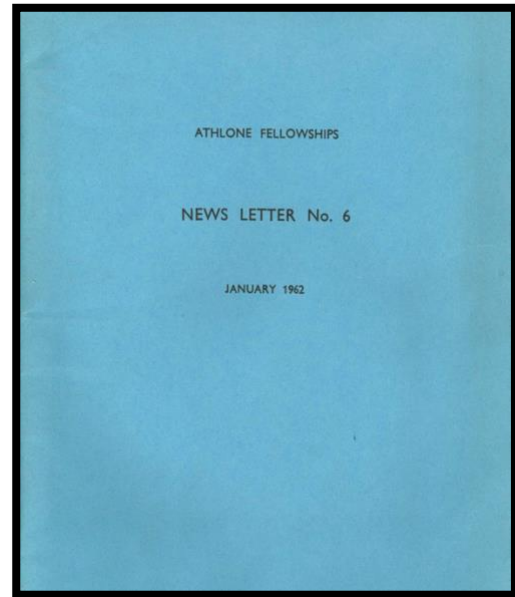
My sincere thanks to all the Athlone Fellows who helped me complete this collection.

A Collection of All the Athlone Fellowship Newsletters

Athlone Fellowship Newsletters #1 to #16

These newsletters are attached to this document, and all carried the title, usually on a blue sheet, as shown in this illustration, with the Newsletter Number and the date of issue being the only differences. The following is the listing of the numbers and date issued for those currently available:

Number	Date
1	Dec 1956
2	Dec 1957
3	Jan 1959
4	Jan 1960
5	Jan 1961
6	Jan 1962
7	Jan 1963
8	Jan 1964
9	Jan 1965
10	Jan 1966
11	Jan 1967
12	Jan 1968
13	Jan 1969
14	Jan 1970
15	Jan 1971
16	Jan 1972



PR[K5.5—

ATHLONE FELLOWSHIPS

NEWS LETTER NO. 1

December 1956



ATHLONE FELLOWSHIPS

NEWS LETTER NO.1

December 1956

Managing Committee in the United Kingdom

Mr. Arthur P. W. Fleming, C.E.S., F.R.S. (Chairman)
Mr. Harry Gordon, C.E.S., F.R.S. (Vice-Chairman)
Captain Hildwin, C.E.S., (Federation of Civil Engineering Contractors)
Mr. H. Palmer, Esq., M.A., F.R.S. (British Business Association)
Mr. S. R. Smith, Esq., F.R.S., F.R.I.C. (Institution of Chemical Engineers)
Mr. H. R. Smith, Esq., F.R.S., F.R.I.C. (Institution of Chemical Engineers)
Professor H. E. A. Hargreaves, Esq., F.R.S. (University of Cambridge)
Professor A. G. Chisholm, Esq., F.R.S., F.R.I.C. (University of Cambridge)
Professor E. G. Gibson, Esq., F.R.S., F.R.I.C. (University of Cambridge)
Professor A. G. Gibson, Esq., F.R.S., F.R.I.C. (University of Cambridge)
Mr. J. H. H. (Trade Union Congress)
Mr. J. H. H. (Federation of British Industries)
Mr. H. H. H. (The British Council)
Mr. P. H. H. (Board of Trade)
Mr. G. H. H. (Communication & Public Office)
Mr. H. H. H. (Ministry of Education)
Mr. H. H. H. (Scottish Education Department)
Mr. H. H. H. (C.E.S., F.R.S. (Adviser)
Mr. H. H. H. (Secretary)

ATHLONE FELLOWSHIPS

ATHLONE FELLOWSHIPS

ATHLONE FELLOWSHIPS

ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Sir Arthur P. M. Fleming, C.B.E. (Chairman)
Sir Henry Gregory, K.C.M.G., C.B. (Vice Chairman)
Captain Holbein, O.B.E. (Federation of Civil Engineering Contractors)
D. D. Walker, Esq., M.A., M.I.E.E. (British Engineers Association)
G. S. Bosworth, Esq., M.A., A.M.I.Mech. E., A.M.I.E.E. (British Electrical and Allied Manufacturers' Association)
C. M. Beckett, Esq., T.D., M.A., M.I.E.E. (Scottish Engineering Interests)
Professor H. E. M. Barlow, B.Sc., Ph.D.)
Professor D. G. Christopherson, O.B.E., B.A., D.Phil., S.M.) (University
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., F.R.S.E.) representatives)
Professor S. C. Redshaw, D.Sc., Ph.D.)
J. Young, Esq. (Trades Union Congress)
W. V. Jenkins, Esq. (Federation of British Industries)
E. N. Gummer, Esq. (The British Council)
Mrs. E. Tegart, O.B.E. (Board of Trade)
R. G. Chisholm, Esq. (Commonwealth Relations Office)
J. Gibson, Esq. (Ministry of Education)
L. Pendleton, Esq., H.M.I. (Scottish Education Department)
Dr. H. H. Burness, C.B.E., M.C. (Adviser)
R. Burgess, Esq. (Secretary)

The Athlone Fellowships News Letter No.1

Foreword by Major General The Right Hon. the Earl of Athlone, K.G., G.C.B., G.C.M.G., G.C.V.O., D.S.O. (Governor General of Canada 1940-45).

The Scheme for granting Fellowships in the United Kingdom to Canadian engineering students has abundantly justified the hopes of those through whose faith and imagination it was inaugurated five years ago.

Nearly 200 Canadian graduates who have benefited by the Scheme have, I believe, been able to testify that the United Kingdom is second to none in the quality of its technical training and in the importance attached to the most up-to-date engineering practice by many branches of Industry.

Of no less importance, however, is the way in which the scheme has enabled many young Canadians to see something of our way of life in Britain and to make many valuable and enduring friendships. I wish them every good fortune in their careers and I hope they will visit us again in the future.

I have, over a long period, been associated in one way or another with a number of educational schemes, but I know of none more deserving of continued encouragement than this Fellowship Scheme to which I have been privileged to give my name.



(Signed) Athlone.

The Athlone Fellowships News Letter No.1

The Managing Committee for the Athlone Fellowships Scheme hope to issue periodically a News Letter which will become a source of information and means of communication among past and present Fellows and others interested in the Scheme.

The Committee, speaking on behalf of all the interests represented on it, wish in the first place to thank most sincerely His Excellency the Governor General and all those in Canada who have from the first welcomed the Scheme and done so much to make it successful.

In particular, they would thank the Presidents and Deans and Professors of Engineering of the universities for their part in encouraging so many of their best engineering graduates to apply for Fellowships, and for their organisation of the selection procedure and friendly and effective co-operation with the United Kingdom representatives in Canada.

The co-operation of the Engineering Institute of Canada, the Provincial professional engineering associations, and all employing organisations, private and public, in Canada, is a source of great satisfaction to all those connected with the Scheme in the United Kingdom.

The Committee also wish to express their warm appreciation of the friendly assistance of industrial firms, universities and research establishments and public authorities in the United Kingdom without which the Scheme could not succeed.

This first Letter is being sent not only to all past and present Fellows but also to engineering faculties in Canadian Universities, the Engineering Institute of Canada, Provincial professional engineering associations, actual or prospective employers in Canada and to United Kingdom officials throughout Canada, and to organisations, universities and firms in the United Kingdom.

If the News Letter is to be of value not only to Fellows past and present but to all others who receive it, the first step is one in which obviously all Fellows can help, that is to keep the Athlone records up-to-date. The Managing Committee will therefore be glad if Fellows, past and present, will complete the tear-off slip on page 5 and send it to the Secretary, Athlone Fellowships Managing Committee, Ministry of Education, Curzon Street House, Curzon Street, London, W.1., England.

The Committee wish to keep in touch with all Fellows and also to help Fellows to remain in touch with one another and to exchange items of news. They will, therefore, welcome, for publication in future issues of the Letter, notes from past and present Fellows about their experiences while in the United Kingdom and are particularly anxious to hear from past Fellows of their careers in Canada, their progress in their employment and any incidents or items which would interest other Fellows or any of the other recipients of the Letter, both in the United Kingdom and in Canada.

In short, the Committee hope that the Letter will become a pleasant and interesting means of retaining contacts among all interested in the Scheme. They will be glad of suggestions for the improvement of the Scheme from Fellows, their employers or universities in Canada, and from employers and universities in the United Kingdom.

Origin and History of the Scheme

The origin of the Scheme is probably well known to you. During the years immediately after the war, a number of missions visited Canada with the object of finding out what might be done to increase British exports to that country. From the reports of these missions it was clear that there was an educational aspect to the problem which merited investigation. Some Canadian graduates were coming to the United Kingdom for post-graduate work but more were going elsewhere. Thus, young Canadian engineers were becoming increasingly familiar with the products and resources of organisations elsewhere but were having fewer opportunities

of becoming knowledgeable about those of corresponding organisations in the United Kingdom. Clearly therefore anything that could be done to increase these opportunities would help to foster links in the technical field between the United Kingdom and Canada. The matter was considered by the United Kingdom authorities concerned and it was decided to send an eminent industrialist and an engineering educationalist to Canada to determine Canadian reaction to the provision, by the United Kingdom Government, of a Scheme of Scholarships which would not only familiarise Canadian engineering graduates with British industry and its products but at the same time increase their knowledge of the way of life and thought of the people in the United Kingdom and thus strengthen the existing ties between Canadians and British.

Sir Arthur Fleming accepted an invitation to explore these matters in Canada, and, accompanied by Dr. Abbott of the United Kingdom Ministry of Education, toured from coast to coast during the Spring of 1950. This Mission, having obtained the reactions of representative Canadian organisations and individuals, reported to the United Kingdom authorities and the result was the institution of the Athlone Fellowships Scheme, a Scheme which is honoured by the name of Major General the Right Hon. the Earl of Athlone, Governor General of Canada from 1940-45 whose Message to Athlone Fellows is the foreword of this, the first, issue of the News Letter.

Under the Scheme, 38 Canadian engineering graduates are brought to the United Kingdom annually for post-graduate work extending over two years in industry or in a university or in certain cases in both industry and university. All expenses of travel from the Fellows' homes in Canada to the places of study in the United Kingdom, the cost of tuition fees, books and travel in the United Kingdom, along with a maintenance allowance, are provided by H.M. Government in the United Kingdom.

Of the Fellowships awarded each year 28 go to graduates on completion of a Bachelor's or a higher degree, (Group A), and 10 to engineering graduates who have spent some time in industry or research following graduation, (Group B). In order to distribute as widely as possible the 28 Group A awards, each Canadian university having an engineering faculty is given a quota based on the total number graduating from it. The Fellows are chosen by Selection Boards convened by the Dean of the Engineering Faculty of the university concerned, assisted by an Adviser from the United Kingdom, a representative of the U.K. High Commissioner in Canada and the U.K. Trade Commissioner in the area.

The Scheme is managed in the United Kingdom by a Committee representative of industry, the universities, the British Council and Government Departments. The present composition of the Committee is set out on Page 1.

The first Fellows arrived in the United Kingdom in September, 1951. Since then five further groups have taken up their awards.

So far 137 men have returned to Canada. Of these, 20 had stayed on in the United Kingdom for varying periods after the expiration of their Fellowships in order to complete the requirements for higher degrees, while four had stayed on to gain further industrial experience. Of the 84 men at present in the United Kingdom 11 have completed the two years' period of their Fellowships and are staying on to finish their work for higher degrees or to gain further industrial experience.

Of the 221 Fellows who have come to the United Kingdom since the inception of the Scheme, 83 have had two years' university training, 54 two years' industrial training and 84 one year in university and one year in industry. The numbers of individuals studying the various branches of engineering in the United Kingdom are as follows:-

Mechanical (including Production Engineering and Administration)	53
Aeronautical	23
Light Electrical	40
Heavy Electrical	9
Civil	45
Chemical	18
Physics	1
Forestry	1
Metallurgy	14
Metalliferous Mining	1
Petroleum Technology	1
Physical Chemistry	2
Nuclear Physics	3

Reports by the Fellows and by their employers and university tutors are received regularly and indicate that the Scheme is working very satisfactorily and is achieving its objects. United Kingdom universities and firms have co-operated with enthusiasm and have given very valuable assistance. While isolated training difficulties arise here and there, there is no doubt that in general Athlone Fellows have found that the programmes arranged for them have been most satisfactory. The Scheme has made a promising start: all those connected with it - Fellows, Tutors and the Managing Committee - can look forward to the future with hope and confidence.

TEAR OFF SLIP

Name.....

Address in Canada.....

Name of employer.....

Present appointment and nature of work.....

Any promotion in employment since returning to Canada.....

ATHLONE FELLOWS 1951-1956

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Adams, E. J.	1952	Toronto	B
Affleck, R. R.	1955	British Columbia	A
Aker, D. L.	1953	Manitoba	B
Allen, L. D.	1953	Alberta	A
Almond, J.	1952	Saskatchewan	A
Amyot, L.	1955	Ecole Polytechnique	A
Armour, J. M.	1951	Toronto	A
Armstrong, M. J.	1956	Toronto	A
Arnold, J. R.	1953	British Columbia	A
Arsenault, R. A. J.	1953	Ecole Polytechnique	A
Bach, G. G.	1952	Alberta	A
Bachovzeff, C.	1951	McGill	A
Ballance, R. C.	1954	New Brunswick	A
Bate, D. L. S.	1954	Toronto	B
Beck, H. R.	1952	Manitoba	B
Bedard, M. R.	1953	Laval	A
Belrose, S.	1953	British Columbia	B
Beneteau, P. J.	1953	Queen's	A
Bennett, R. A.	1955	Nova Scotia Technical College	A
Bessette, H.	1952	Ecole Polytechnique	B
Bigham, C. B.	1952	Queen's	A
Bjornsson, A. B.	1955	Manitoba	B
Blachford, C. W.	1953	Saskatchewan	A
Boivin, F.	1951	Ecole Polytechnique	A
Bourassa, P.	1951	Ecole Polytechnique	A
Brabant, C. E.	1954	McGill	A
Breck, W. G.	1951	Queen's	B
Brisson, J. R.	1951	Laval	A
Brockley, C. A.	1952	British Columbia	B
Brown, J. A.	1956	Queen's	B
Brown, R. L.	1953	Queen's	B
Bryce, W. W.	1954	Toronto	B
Burke, P. D.	1955	Toronto	B
Burridge, R. E.	1953	New Brunswick	A
Butcher, R. S.	1954	Nova Scotia Technical College	A
Campbell, J. E.	1955	Nova Scotia Technical College	A
diCenzo, C.	1952	New Brunswick	A
Chamberlain, R. E.	1951	McGill	A
Cherry, S.	1952	Manitoba	A
Chollet, J.	1953	Laval	A
Church, P. B.	1952	Toronto	A
Clark, J. C.	1953	Saskatchewan	B
Cliffe, J. B.	1952	Manitoba	B
Collin, R. E.	1951	Saskatchewan	A
Corbett, F. M.	1954	McGill	B

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Corneil, E. R.	1955	Queen's	A
Cossette, J. P.	1954	Ecole Polytechnique	A
Crawford, G. A.	1956	Toronto	A
Cross, D. H. E.	1952	Toronto	A
Crowe, C. M.	1953	McGill	A
Davies, N. G.	1954	British Columbia	A
Dawson, D. G.	1954	Alberta	A
Dean, J. R.	1955	New Brunswick	A
DeCoursey, W. J.	1951	Alberta	B
DeLory, F. A.	1953	Toronto	A
Dessureault, J. M.	1954	Laval	A
Dietiker, W.	1955	British Columbia	B
Dodd, W. B.	1952	Toronto	B
Dooley, J. E.	1953	Toronto	B
Dowling, P. J.	1954	Toronto	B
Dutton, V. L.	1951	Manitoba	B
Ellis, J. S.	1954	Queen's	B
Erb, R. B.	1952	Alberta	A
Erlebach, W. E.	1952	British Columbia	A
Favron, J.	1953	Ecole Polytechnique	B
Fee, E. W.	1953	Toronto	A
Feir, J. E.	1952	Alberta	B
Firstbrook, W. A.	1951	Toronto	B
Franklin, D. H.	1952	Nova Scotia Technical College	A
Fraser, D. J.	1952	Saskatchewan	B
Fraser, R. M.	1955	British Columbia	A
French, J. B.	1955	Toronto	A
Funke, E. R. R.	1956	Queen's	A
Fytche, E. L.	1951	New Brunswick	B
Gagne, R. E.	1956	Manitoba	B
Gendron, M.	1954	Laval	A
Gillespie, J. C.	1956	Manitoba	A
Godfrey, J. W. A.	1954	Manitoba	A
Grant, E. J.	1954	New Brunswick	A
Guthrie, D. A.	1955	British Columbia	A
Hale, R. C.	1956	New Brunswick	A
Halton, H. N.	1955	British Columbia	B
Ham, R. K.	1955	Toronto	A
Hanson, J. V.	1955	Toronto	A
Harris, S. G.	1955	Toronto	B
Harrison, M. A.	1956	Toronto	A
Harvey, P.	1956	British Columbia	A
Hayes, W. F.	1955	McGill	A
Henderson, J. E.	1956	Queen's	B
Hill, P. G.	1953	Queen's	A
Hinse, R.	1951	Laval	A
Houle, M.	1956	Ecole Polytechnique	A
Howard, J. H. G.	1956	Queen's	A
Howard, S. G.	1956	Alberta	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Jonas, J. J.	1954	McGill	A
Jones, B. G.	1954	Saskatchewan	A
Jull, G. W.	1951	Alberta	A
Kenney, T. C.	1953	McGill	A
Kerr, J. A.	1952	Manitoba	A
Klingbeil, W. W.	1954	Alberta	A
Koski, J. T.	1951	Toronto	B
Kristmanson, D. D.	1956	British Columbia	B
Labonte, R.	1955	Ecole Polytechnique	A
Laframboise, J. E. L.	1956	Ecole Polytechnique	B
Lamarre, B.	1952	Ecole Polytechnique	A
Lane, A. D.	1956	Nova Scotia Technical College	A
Langeman, P.	1955	Saskatchewan	A
Langlois, A. P.	1956	Laval	A
LaRoche, P.	1956	Laval	B
Laubitz, M. J.	1953	Toronto	A
Leaist, G. T.	1951	Toronto	A
Lefcort, M. D.	1956	McGill	A
Leigh, D. C.	1951	Toronto	A
Link, W. T.	1951	Saskatchewan	A
Lowe, D. C.	1955	Toronto	B
Lund, J. A. H.	1951	British Columbia	A
MacDonald, D. H.	1951	Toronto	B
MacDonald, I. J.	1954	Queen's	A
MacMillan, F. A.	1952	Queen's	B
Marleau, J. E.	1954	Ecole Polytechnique	A
Marquis, A. H.	1955	Laval	A
Marsden, D. J.	1955	Alberta	A
Matthews, J. N.	1951	Toronto	A
McCully, G. R.	1951	New Brunswick	A
McDougald, R. A.	1954	Manitoba	A
McIntyre, E. H.	1953	McGill	A
McLellan, P. W.	1955	Queen's	A
McNish, J. A.	1954	British Columbia	A
Merritt, J. M.	1953	Nova Scotia Technical College	A
Mickleborough, B. W.	1956	Saskatchewan	A
Minty, D. H.	1951	Manitoba	A
Missen, R. W.	1953	Queen's	B
Mitchell, J.	1952	Queen's	A
Moffatt, A. J.	1951	Manitoba	A
Moffatt, T. L.	1951	Toronto	A
Molozzi, A. R.	1953	Toronto	A
Montagnon, N. B.	1951	McGill	B
Montambeault, G. A.	1952	Laval	A
Morgenstern, N.	1956	Toronto	A
Murphy, C. L.	1953	Manitoba	A
Murray, D. W.	1952	Alberta	A
Naylor, H. F.	1951	British Columbia	A
Neill, M. T.	1953	Toronto	A
Nettleton, T. R.	1956	Toronto	B

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Newey, R. A.	1953	Manitoba	A
Nikiforuk, P. N.	1952	Queen's	A
Nuttall, J. B.	1951	British Columbia	A
Oates, G. C.	1954	British Columbia	A
Olson, A. T.	1953	Queen's	A
Ower, W. N.	1956	New Brunswick	A
Pare, J. J.	1955	Laval	A
Parker, H. E.	1952	McGill	A
Parkinson, F. E.	1956	Alberta	A
Peaker, K.	1955	Manitoba	B
Pearson, E. L.	1954	Manitoba	A
Perks, W. T.	1956	McGill	B
Pettigrew, H. C.	1954	Toronto	A
Piercy, G. R.	1952	British Columbia	A
Pike, J. G.	1954	Queen's	A
Pinder, K. L.	1952	McGill	B
Poupard, M.	1954	Ecole Polytechnique	A
Premont, L.	1952	Laval	B
Price, P.	1955	National Aero. Estab., Ottawa	A
Prior, B. W.	1951	Toronto	A
Rayner, W. M.	1952	Toronto	A
Rhodes, R. T.	1954	Toronto	A
Roberge, J. P. A.	1953	Laval	A
Ross, G. M.	1955	McGill	A
Rousseau, J.	1952	Ecole Polytechnique	A
Rousseau, L. Z.	1954	Laval	A
Rousseau, Y. L.	1952	Ecole Polytechnique	A
Roy, A. H.	1954	Nova Scotia Technical College	A
Seychuk, J. L.	1954	Manitoba	A
Shaw, D. S.	1954	Toronto	A
Shephard, R. S.	1953	New Brunswick	A
Shields, D. H.	1955	Saskatchewan	A
Shier, R. M.	1953	British Columbia	A
Shook, C. A.	1956	Alberta	B
Simmonds, S. H.	1956	Alberta	A
Sims, G. E.	1955	Manitoba	A
Simpson, R. W.	1955	Toronto	A
Sinclair, G. R.	1951	Queen's	A
Skoczylas, H.	1956	Queen's	A
Slingerland, F. W.	1951	Queen's	A
Smith, K. L.	1956	British Columbia	B
Soderman, L. G.	1955	Manitoba	A
Sodonsky, K. F.	1956	Manitoba	A
Squire, J. M.	1951	McGill	B
Stephenson, D. G.	1951	Toronto	B
Sutcliffe, F. H.	1955	McGill	A
Sutherland, J. P.	1956	British Columbia	B
Swanson, S. R.	1956	Toronto	A
Swift, G. W.	1953	Alberta	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Tardif, H. P.	1951	Laval	B
Thivierge, P.	1956	Ecole Polytechnique	A
Thompson, K. M.	1953	Saskatchewan	A
Townsend, D. L.	1953	McGill	B
Tuisku, H. E.	1955	Queen's	A
Turner, L. R.	1954	Queen's	B
Vachal, J. D.	1953	Nova Scotia Technical College	A
Vilagos, J. P.	1955	McGill	B
Villeneuve, J. E.	1956	Laval	A
Wallace, R. R.	1956	Toronto	A
Waller, D. H.	1952	Nova Scotia Technical College	A
Ward, G. V.	1954	British Columbia	A
Waugh, P. J.	1951	Manitoba	A
Webb, P. P.	1955	McGill	A
Weld, G. B.	1955	Nova Scotia Technical College	A
Wilenius, G. P. T.	1956	Toronto	A
Williams, A. J.	1951	Queen's	A
Williams, G. S.	1952	McGill	A
Williamson, D. F.	1956	British Columbia	B
Williamson, K. H.	1951	Manitoba	B
Wilson, R. G.	1951	McGill	A
Wonham, W. M.	1956	McGill	A
Wood, J. K.	1953	Toronto	B
Wright, A. E.	1955	British Columbia	A
Wright, G. D. T.	1952	Toronto	A
Wright, P. M.	1954	Saskatchewan	A
Young, D. D.	1953	Manitoba	A
Zames, G.	1954	McGill	A

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF ALBERTA				
1951 Group				
DECOURSEY, W. J.	Chemical	Chemical engineering - Imperial College of Science and Technology (2 years)	Rimbey, Alberta.	Chemical Metallurgical, Dominion Sherritt - Garden Mines Ltd., Fort Saskatchewan, Alberta.
JULL, G. W.	Engineering Physics	Electronics - Imperial College of Science and Technology (2 years)	C/o Radio Physics Laboratory, Defence Research Board, Shirley Bay, Ottawa.	
1952 Group				
BACH, G. G.	Engineering Physics	Nuclear physics - University of Birmingham (2 years)	Peace River, Alberta.	
ERB, R. B.	Civil	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	2901, Carleton Street, Calgary, Alberta.	
FEIR, J. E.	Civil	Hydro-power and river flow - Imperial College of Science and Technology (2 years)	C/o Judge E. B. Feir, 534 - 17th Street South, Lethbridge, Alberta.	
MURRAY, D. W.	Civil	Hydromechanics - Imperial College of Science and Technology (2 years)	10956 - 81 Avenue, Edmonton, Alberta.	
1953 Group				
ALLEN, L. D.	Civil	Aerodynamics - College of Aeronautics, Cranfield. (2 years)	R. R. # 1, Penhold, Alberta.	
SWIFT, G. W.	Electrical	Electrical Engineering - Metropolitan-Vickers Electrical Co., Ltd. (2 years)	10106, 87th Ave., Edmonton, Alberta.	
1954 Group				
DAWSON, D. G.	Electrical	Power side of electrical engineering - British Thomson-Houston Co., Ltd., Rugby and Willesden. (2 years)	Box 139, Carmangay, Alberta.	

KLINGBEIL, W. W.	Civil	Theory and Design of Aircraft Structures - College of Aeronautics, Cranfield (2 years)	9834 - 79 Ave., Edmonton, Alberta.	Still in U.K. - present address - Lanchester Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.
1955 Group				
MARSDEN, D. J.	Engineering Physics	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	Mainwright, Alberta.	
1956 Group				
HOWARD, S. G.	Electrical	Electrical Engineering - English Electric Co. Ltd. (2 years)	1450, Westmount Blvd., Calgary, Alberta.	Still in U.K. - present address - 19, Chapel Terrace, Stafford.
PARKINSON, F. E.	Civil	Hydraulics - D.S.I.R. Hydraulics Research Station (1 year) 2nd year to be arranged with civil engineering contractor.	10711 - 74 Avenue, Edmonton, Alberta.	Still in U.K. - present address - Fairleas, West End, Cholsey, Berks.
SHOOK, C. A.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	14314 - 102 Ave., Edmonton, Alberta.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
SIMMONDS, S. H.	Civil	Research in Concrete Technology - Cambridge University. (2 years)	Ste. 1, 9660 - 82 Ave., Edmonton, Alberta.	Still in U.K. - present address - 65a, Barton Road, Cambridge.
UNIVERSITY OF BRITISH COLUMBIA				
1951 Group				
LUND, J. A. H.	Metallurgy	Industrial metallurgy - University of Birmingham. (2 years)	8620 Hudson Street, Vancouver, B.C.	Department of Mines, Ottawa, Ontario.
NAYLOR, H. F. W.	Mechanical	Aeronautical engineering; College of Aeronautics, Cranfield. (2 years)	369, Prince Edward Drive, Toronto 18, Ontario.	A. V. Roe, Company, Malton, Ontario. (Aeronautical).
NUTTALL, J. B.	Mechanical	Hydraulics - University of Aberdeen. (1 year) Imperial College of Science and Technology. (1 year)	2456, W. 7th Avenue, Vancouver, B.C.	Working with the St. Lawrence Seaway, Montreal.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF BRITISH COLUMBIA - continued				
1952 Group				
BROCKLEY, C. A.	Mechanical	Machine design and strength of materials - University of Sheffield. (2 years)	3, William Hunt Avenue, Halifax, Nova Scotia.	Planning to work at Atomic Energy Plant, Chalk River, Ontario.
ERLEBACH, W. E.	Chemical	Radio Chemistry - University of Cambridge. (2 years)	5611, Galton Place, Vancouver, 9. B.C.	Chalk River Development, Chalk River, Ontario.
PIERCY, G. R.	Engineering Physics and Metallurgy	Physical metallurgy - University of Birmingham. (2 years)	3941 - W. 24 Avenue, Vancouver 8, British Columbia.	
1953 Group				
ARNOLD, J. R.	Mechanical	Mechanical engineering - The Brush Group, Ltd., Staines, Stockport, Ashton-under-Lyne and Loughborough. (2 years)	Apt. 10, 404, Elgin Street, Ottawa, Ontario.	Still in U.K. - present address - 22, Church Street, Old Chesterton, Cambridge.
BELROSE, S.	Electrical	Radio Physics - Cambridge University. (2 years)	Waterlea Lodge, Port Washington, B.C.	
SHIER, R. M.	Engineering Physics	Electrical Engineering - British Thomson Houston Co. Ltd. (2 years)	4620, Langara Ave., Vancouver, British Columbia.	
1954 Group				
DAVIES, N. G.	Engineering Physics	Electronics and Servo-mechanisms - Evershed & Vignoles Ltd. and Metropolitan Vickers Electrical Co. Ltd. (1 year)	Box 276, Hammond, B.C.	Still in U.K. - present address - 16, Wellmeadow Road, London, W.7.
McNISH, J. A.	Electrical	Electronics and Allied Equipment Business Administration - British Thomson Houston Co. Ltd. (1 year) London School of Economics. (1 year)	4946, Elgin Street, Vancouver, British Columbia.	

OATES, G. C.	Mechanical	Mixed industrial experience. Gas Turbine and Internal Combustion Engines - Rolls Royce Ltd., Derby. (1 year) Birmingham University. (1 year)	5780, Yew Street, Vancouver, British Columbia.	
WARD, G. V.	Electrical	Electronics and Servo-mechanisms - Metropolitan Vickers Electrical Co. Ltd. (2 years, including 7 months at Imperial College of Science and Technology).	Apartment 301, 157, Hughson Street, South, Hamilton, Ontario.	
1955 Group				
AFFLECK, R. R.	Chemical	Chemical engineering as applied to pulp and paper industry - Wiggins, Teape & Co. Ltd., Aberdeen. (1 year) London School of Economics. (1 year)	3436, W. 2nd Ave., Vancouver, British Columbia.	Still in U.K. - present address - 24, Ravenslea Road, Balham, London, S.W.12.
DIETIKER, W.	Electrical	Computers and servo-mechanisms - Manchester University. (2 years)	719 - 3rd Avenue West, Calgary, Alberta.	Still in U.K. - present address - 28, Elms Road, Heaton Moor, Stockport, Cheshire.
FRASER, R. M.	Electrical	Power Generation and distribution plant - C. A. Parsons & Co. Ltd., Reyrolles Ltd. and the Central Electricity Authority. (2 years)	6037, Churchill St., Vancouver, British Columbia.	Still in U.K. - present address - 16, Culmstock Road, Battersea, London, S.W.11.
GUTHRIE, D. A.	Chemical	Instrument control - I.C.I. Wilton.	2082, Daniel St., Trail, British Columbia.	Still in U.K. - present address - 48, Alexandra Road, Reading, Berks.
HALTON, H. N.	Mechanical	Industrial engineering - Birmingham University Vauxhall Motors Ltd. (1 year)	562, Fickles Street, Arvida, Quebec.	Still in U.K. - present address - 8A, Jameson Road, Harpenden, Herts.
WRIGHT, A. E.	Civil	Advanced structures - Imperial College of Science and Technology Messrs. John Laing & Son Ltd. (1 year)	4460, W. 11th Avenue, Vancouver, British Columbia.	Still in U.K. - present address - 11, Bloomfield Road, Highgate, London, N.6.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF BRITISH COLUMBIA - continued				
1956 Group HARVEY, P.	Electrical	Computer control and nuclear reactor control - Messrs. Ferranti Ltd. (2 years)	Box 188, Prince Rupert, British Columbia.	Still in U.K. - present address - 61, Millfold Road, Alkrington, Middleton, Nr. Manchester.
KRISTMANSON, D. D.	Chemical	Chemical Engineering - Imperial College of Science and Technology (1 year) 2nd year to be arranged.	Gen. Del. Chapman Camp, Morrison Sub-Division, Kemberley, British Columbia.	Still in U.K. - present address - 70, Castelnau, Barnes, S.W.13.
SMITH, K. L.	Mechanical	Atomic energy - Metropolitan-Vickers Electrical Co. Ltd., Manchester, and Reactor School, Harwell. (2 years)	353, Linden Avenue, Victoria, British Columbia.	Still in U.K. - present address - 9, Egerton Road, Chorlton-cum-Hardy, Manchester, 21.
SUTHERLAND, J. P.	Chemical	Chemical Engineering - Imperial College of Science and Technology (2 years)	Box 74, Rossland, British Columbia.	Still in U.K. - present address - 2, Bedford Place, London, W.C.1.
WILLIAMSON, D. F.	Chemical	Business Administration - London School of Economics (1 year) 2nd year in industry to be arranged.	325, Racine Street, Arvida, Quebec.	Still in U.K. - present address - 73, Hamilton Road, London, N.W.11.
ECOLE POLYTECHNIQUE				
1951 Group BOIVIN, F.	Mechanical	Electronic Control Mechanisms - Imperial College of Science and Technology (1 year) Evershed & Vignoles Ltd., London (8 months) British Thomson-Houston Ltd., Rugby. (4 months)	2241 Cadillac Street, Montreal, 5.	Bell Telephone Co., Montreal.
BOURASSA, P.	Mechanical	Mechanical Engineering - Imperial College of Science and Technology (1 year) Leyland Motors Ltd., Leyland, Lancs. (1 year)	245, Champlain Street, St. Jean, Quebec.	Dominion Engineering Works Ltd., Lachine, Quebec.

1952 Group BESSETTE, H.	Mechanical and electrical	Steam power engineering - Imperial College of Science and Technology (4 months) John Thompson Ltd., Wolverhampton. (12 months) British Electricity Authority, Birmingham. (3 months) E. Green and Son Ltd., Wakefield (1 month) George Kent Ltd., Luton (5 weeks)	6896 - 9th Avenue, Rosemount, Montreal, Quebec.	Dominion Bridge Co., Lachine, Quebec.
LAMARRE, B.	Civil	Concrete Technology - Imperial College of Science and Technology. (2 years)	130, rue St. Dominique, Jonquiere, P.Q.	Lalonde and Valois, Consulting Engineers, 606, Cathcart Street, Montreal.
ROUSSEAU, J.	Mechanical and electrical	Aircraft propulsion - College of Aeronautics, Cranfield (2 years)	143, Stephens Drive, Apt. 203, Toronto, Ontario.	Orenda Engines Co. Ltd., Malton, Ontario.
ROUSSEAU, Y. L.	Civil	Production engineering - Brush ABOE Group Services, Ltd., Loughborough, Ashton-under-Lyne and Staines. (1 year) University of Birmingham. (1 year)	5561 Basil Patenaude Square, Apt. 203, Toronto, Ontario.	Cecil Carpenter, Contractors, Montreal, Quebec.
1953 Group ARSENAULT, R. A. J.	Mechanical and electrical	Marine engineering - Royal Technical College, Glasgow. (1 year) Fairfield Shipbuilding and Engineering Co. Ltd., Glasgow. (1 year)	C/o Hotel St. Charles, 211, Du Rois Street, Sorel, P.Q.	Assistant Superintendent of Machine Shop, Marine Industries, Sorel, Quebec.
FAVRON, J.	Mechanical and electrical	Aeronautical engineering - Messrs. de Havilland Co. Ltd., Vickers-Armstrong Ltd., Weybridge. (4 months) (1 year)	1967, Tolhurst Street, Montreal, Quebec.	Canadair Limited, Montreal, Quebec.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
ECOLE POLYTECHNIQUE - continued				
1954 Group				
COSSETTE, J. P.	Mechanical and electrical	Production Engineering - Birmingham University (1 year) The Brush Group Limited, Ashton-under-Lyne and Stockport (10 months) Sheffield University (2 months)	Sixteen Island Lake, Co. Argenteuil, P.Q.	
MARLEAU, J. E.	Mechanical and electrical	Metallurgy of non-ferrous metals and industrial experience in the production and fabrication of aluminium - Birmingham University. (1 year) Northern Aluminium Co., Ltd., Rogersstone. (1 year)	4122, Ave. Northcliffe, Montreal, 28.	
POUPARD, M.	Mechanical	Mechanical Engineering - Brush Group Ltd., Ashton-under- Lyne and Loughborough and University of (1 year) Sheffield.	2303, Joliette Street, Montreal, P.Q.	Ecole Polytechnique, 1430, St. Denis Street, Montreal, Quebec.
1955 Group				
ANYOT, L.	Mechanical and electrical	Atomic Energy Power Development - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (2 years)	3562, Verdun Ave., Verdun, Quebec.	Still in U.K. - present address 4, Badminton Road, Chorlton-cum-Hardy, Manchester, 21.
LABONTE, R.	Civil	Public Health engineering - Imperial College of Science and Technology, and Messrs. Sandford, Fawcett and Partners. (2 years)	St. Pierre-Baptiste, Co. Megantic, P.Q.	Still in U.K. - present address - London House, Guildford Street, London, W.C.1.
1956 Group				
HOULE, M.	Electrical	Micro-wave, mobile equipment, radar, etc. - Marconi's Wireless Telegraph Co. Ltd. (1 year) May remain with Company for 2nd year.	10890, Peloquin, Montreal, P.Q.	Still in U.K. - present address - Poste restante, Chelmsford.

LAFRANBOISE, J. E. L.	Electro- mechanical	Aeronautics - Imperial College of Science and Technology. (2 years)	1570, Lecorbusier, Ste-Foy, R.R.1, Quebec.	Still in U.K. - present address - 70, Castelnau, Barnes, London, S.W.13.
THIVIERGE, P.	Mechanical	Steam Turbines - Metropolitan- Vickers Electrical Co. Ltd., Manchester. (1 year) 2nd year to be arranged at Birmingham University.	8140, Lajeunesse Street, Montreal, P.Q.	Still in U.K. - present address - c/o Training Officer Metropolitan-Vickers Electrical Co. Ltd., Trafford Park, Manchester.
LAVAL UNIVERSITY				
1951 Group				
BRISSON, J. R.	Chemical	Chemical engineering - University College, London. (3 months) Imperial Chemical Industries, Ltd., Billingham. (1 year, 2 months)	1218, William Avenue, Sillery, Quebec.	Canadian Arsenals Ltd., Palace Hill, Quebec.
HINSE, R.	Mining	Metalliferous Mining and Metallurgy of Iron and Steel-- Stewarts and Lloyds Ltd., Corby. (1 year) Royal Technical College, Glasgow. (9 months)	724, Flynn Street, Quebec City, P. Quebec.	Campbell Chibougamau Mines Ltd. Chibougamau, Quebec.
TARDIF, H. P.	Metallurgy	Industrial Metallurgy - University of Birmingham. (2 years)	1117, Avenue Eymard, Quebec, P.Q.	C.A.R.D.E., Valcartier, Quebec.
1952 Group				
MONTAMBEAULT, G. A.	Mining	Mining engineering - Stewarts and Lloyds Ltd., Corby. (8 months) Holman Bros., Camborne. (6 weeks) Camborne School of Metalliferous Mining. (8 months)	2 Tamarac, #4, Shawinigan Falls, Quebec.	Canadian Industries Limited, Shawinigan Falls, Quebec.
PREMONT, L.	Chemical	Chemical engineering - University of Cambridge. (9 months) J. and E. Hall Ltd., Dartford. (6 weeks) Monsanto Chemicals Ltd., Ruabon, Wrexham. (1 year)	St. Jean, Ile d'Orleans, Quebec.	C.A.R.D.E., Valcartier, Quebec.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
LAVAL UNIVERSITY - continued				
1953 Group				
BEDARD, M. R.	Civil	Heating and ventilating engineering - National College for Heating, Ventilating, Refrigeration and Fan Engineering, London. (2 years)	441, Rue St. Jean, Quebec 4, P. Q.	Mr. Dorval, Consulting Engineer, 604, Rue St. Jean, Quebec.
CHOLLET, J.	Chemical	Chemical engineering - Power Gas Corporation Ltd. (1 year) Imperial Chemical Industries Ltd., Billingham, Co. Durham. (1 year)	382 - 9th Street, Quebec City, P. Q.	Anglo-Canadian Pulp and Paper Mills Ltd., 10, Boulevard des Capucins, Quebec.
ROBERGE, J. P. A.	Civil	Concrete Technology - Richard Costain Ltd., (1 year) Imperial College of Science and Technology. (1 year)	45, Avenue Begin, Quebec.	
1954 Group				
DESSUREAULT, J. M.	Industrial Metallurgy	Metallurgy of Ferrous Metals - Birmingham University. (2 years)	701, 5th Avenue, Grand' Mere, P. Quebec.	
GENDRON, M.	Civil	Steel and Concrete Structures - Imperial College of Science and Technology. (1 year)	99, De Calliers Street, Quebec City, P. Q.	
ROUSSEAU, L. Z.	Forest	Forestry Research - Oxford University. (2 years)	271, Laurier Ave., Quebec.	Still in U.K. - present address - New College, Oxford.
1955 Group				
MARQUIS, A. H.	Metallurgy	Metallurgy - Birmingham University (1 year)	1902, Premiere Avenue, Quebec, P. Q.	
PARE, J. J.	Civil	Concrete technology - Imperial College of Science and Technology. (2 years)	27, De Gaspe Street, Quebec.	Still in U.K. - present address - 7, High View, Romeyn Road, London, S.W. 16.
1956 Group				
LANGLOIS, A. P.	Civil	Business Administration - London School of Economics. (1 year) 2nd year to be arranged.	660, Ave. Eymard, Katevale, P. Q.	Still in U.K. - present address - London House, Gullford Street, London, W.C. 1.

LAROCHELLE, P.	Civil	Soil Mechanics - Imperial College of Science and Technology. (2 years)	584, St. John Street, Quebec, P. Q.	Still in U.K. - present address - London House, Gullford Street, London, W.C. 1.
VILLENEUVE, J. E.	Civil	Concrete Technology - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	7, Monument Ave., Saint Rock of Quebec.	Still in U.K. - present address - 12, Cleveland Road, Ealing, W. 13.
UNIVERSITY OF MANITOBA				
1951 Group				
DUTTON, V. L.	Civil	Hydraulics and Structural Engineering - James Williamson & Partners, Glasgow. (1 year) University of Cambridge. (1 year)	Apartment 2, 71, Genest Street, Ottawa, Ontario.	MacDonald Bros. Aircraft Ltd., Stevenson Airport, Winnipeg, Manitoba.
MINTY, D. H.	Mechanical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	Box 33, Onanole, Manitoba.	Adalis Limited, 1410 Stanley Street, Montreal 2, Quebec.
MOFFAT, A. J.	Electrical	Design, Testing, Manufacture and Installation of Electrical Equipment - British Thomson-Houston Co. Ltd., Rugby and Rugby Technical College. (2 years)	196, Leighton Avenue, East Kildonan, Manitoba.	Canadian Westinghouse Ltd., Hamilton, Ontario.
WAUGH, P. J.	Mechanical	Aircraft Engineering - English Electric Co. Ltd. (2 years)	137, Girton Boulevard, Tuxedo, Manitoba.	Engineering Department, De Havilland Aircraft Co. of Canada, Toronto.
WILLIAMSON, K. H.	Electrical	Telephone Engineering - Siemens Bros. & Co. Ltd., Woolwich. (2 years)	70, Vivian Avenue, Winnipeg 8.	Manitoba Telephone System (on loan to Bell Telephone Co. of Canada, in Montreal).
1952 Group				
BECK, H. R.	Electrical	Light electrical engineering. Railway Signalling Practice. Manufacture of Signalling Equipment - Imperial College of Science and Technology (10 months) Westinghouse Brake and Signal Co. London (1 month) Metropolitan-Vickers - G.R.S. Ltd., London. (1 month) Siemens and General Electric Railway Signal Co. Ltd., Wembley. (3 months) British Railways. (9 months)	475, Ingersoll Street, Winnipeg, Manitoba.	Signal Department, Room 429, C. N. R. Union Station, Toronto, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF MANITOBA - continued				
1952 Group - continued				
CHERRY, S.	Civil	Structural Research - University of Bristol. (2 years)	659, Niagara Street, Winnipeg 9, Manitoba.	Civil Engineering Dept. University of Manitoba, Winnipeg 9, Manitoba.
CLIFFE, J. B.	Electrical	Gas Turbine technology - Imperial College of Science and Technology. (1 year) National Gas Turbine Establishment, Farnborough. (1 year)	226, Kensington Street, Winnipeg, Manitoba.	Assistant Professor of Civil Engineering, Civil Engineering Department, University of Manitoba, Winnipeg 9, Manitoba.
KERR, J. A.	Civil	Hydraulic engineering - Imperial College of Science and Technology. (16 months) Sir William Halcrow & Partners, London. (8 months)	Box 190, The Pas, Manitoba.	
1953 Group				
AKER, D. L.	Electrical	Automatic controls - A. Reyrolle & Co. Ltd., Hebburn. (1 year) Evershed and Vignoles Ltd., Chiswick. (6 months) English Electric Co. Ltd. (6 months)	323, Kingston Crescent, St. Vital, Manitoba.	
MURPHY, C. L.	Mechanical	General engineering and Gas Turbines Technology - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Imperial College of Science and Technology. (1 year)	226, Waterloo Street, Winnipeg, Manitoba.	
NEWBY, R. A.	Mechanical	Steam Turbines - C. A. Parsons & Co. Ltd., Newcastle upon Tyne. (2 years)	525, Manchester Boulevard, Fort Garry, Winnipeg, Manitoba.	
YOUNG, D. D.	Mechanical	Automobile Design and Production - Rootes Group (Humber Ltd., Coventry). (2 years)	Box 27, Brownsburg, P.Q.	

1954 Group				
GODFREY, J. W. A.	Electrical	Electronics - British Thomson Houston Co. Ltd., Rugby. (2 years)	554, Elm Street, Winnipeg 9, Manitoba.	Canadian General Electric Co. Ltd., Apparatus Division, Manufacturing Engineering Dept., Peterborough, Ontario.
MCDUGALD, R. A.	Mechanical	Steam Turbine Industry - C. A. Parsons & Co. Ltd. (1 year) Engineering Production - Birmingham University. (1 year)	578, Fagan Ave., Peterborough, Ontario.	
PEARSON, E. L.	Mechanical	General Mechanical Engineering - Messrs. Fraser and Chalmers Ltd., Erith. (2 years)	653, Valour Road, Winnipeg, Manitoba.	
SEYCHUK, J. L.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) George Wimpey & Co. Ltd., Southall. (1 year)	R.R. #1, Sifton, Manitoba.	
1955 Group				
BJORNSSON, A. B.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) Cleveland Bridge & Engineering Co. Ltd. (1 year)	853, Sherburn Street, Winnipeg, Manitoba.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
PEAKER, K.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) Sir Robert McAlpine & Sons Ltd. (1 year)	Box 211, Riverton, Manitoba.	Still in U.K. - present address - Redlands, 28, West Road, Nottage, Porthcawl, Glamorgan.
SIMS, G. C.	Mechanical	Atomic Energy Power Development - Metropolitan-Vickers Electrical Co. Ltd., and Messrs. Kennedy & Donkin Ltd. (2 years)	906, Strathcone Street, Winnipeg, Manitoba.	Still in U.K. - present address - 37, Saughtonhall Drive, Edinburgh, 12.
SODERMAN, L. G.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) George Wimpey & Co. Ltd., Southall.	Minaki, Ontario.	Still in U.K. - present address - 57, Eyot Gardens, St. Peter's Square, London, W.6.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF MANITOBA - continued				
1956 Group				
GAGNÉ, R. E.	Engineering Physics	Computers and Servo-mechanisms - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	11, O'Meara Street, Winnipeg, Manitoba.	Still in U.K. - present address - 14, Harold Road, London, S. E. 19.
GILLESPIE, J. C.	Electrical Engineering (Communications)	H. F. and V. H. F. Communications-research-University College, London. (1 year) 2nd year to be arranged.	696, Academy Road, Winnipeg 9, Manitoba.	Still in U.K. - present address - 56, Ormond Avenue, Hamp ton, Middlesex.
SODOMSKY, K. F.	Engineering Physics	Electrical Communications - Imperial College of Science and Technology. (1 year) 2nd year, in industry to be arranged.	176, McAdam Avenue, Winnipeg 4, Manitoba.	Still in U.K. - present address - 38, Lavender Gardens, London, S. W. 11.
McGILL UNIVERSITY				
1951 Group				
BACHOVZEFF, C.	Mechanical	Mechanical Engineering - Metrology and Administration - Metropolitan-Vickers, Electrical Co. Ltd., Manchester. (1 year) College of Technology, Manchester. (1 year)	9097, La Salle Boulevard, Ville La Salle, Montreal, P. Q.	Technical Department, Aluminum Co. of Canada, Arvida, Quebec.
CHAMBERLAIN, R. E.	Civil	Structural analysis - University of Birmingham and Vickers-Armstrongs, Ltd., Weybridge. (2 years)	4339, King Edward Avenue, Montreal 28, P. Q.	Dominion Bridge Co., P.O. Box 280, Montreal, Quebec.
MONTAGNON, N. B.	Electrical	Electronic Circuitry - British Thomson Houston Co., Ltd., Rugby. (2 years)	27, McGonigal Street, Ainpuch, Ontario.	C/o Measurements, Engineering, Amprior, Ontario.

SQUIRE, S. M.	Mechanical	Engineering Practice and Thermodynamics - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) University of Birmingham. (1 year)	22, Winchester Avenue, Westmount, Montreal 6, Quebec.	Canadian General Electric, Major Appliance Dept., 5781, Notre Dame Street East, Montreal 5, Quebec.
WILSON, R. G.	Mechanical	Aeronautics - College of Aeronautics, Cranfield. (2 years)	29, Queen's Road, Valois, Montreal 33, P. Q.	Canadair Ltd., Montreal, Quebec.
1952 Group				
PARKER, H. E.	Mechanical	Aircraft Design and Propulsion - College of Aeronautics, Cranfield. (2 years)	4166, Kingston Avenue, Montreal.	
PINDER, K. L.	Chemical	Chemical engineering - University of Birmingham. (2 years)	Apt. H. Spruce Cliff Apartments, 27, Hemlock Crescent, Calgary, Alberta.	Royalite Company Ltd., Calgary, Alberta.
WILLIAMS, G. S.	Mechanical	Gas Turbine Industry and Engineering Production and Management - Messrs. Rolls Royce Limited, Derby. (1 year) University of Birmingham. (1 year)	605, Abercorn Avenue, Town of Mount Royal, Montreal 16, Quebec.	Northern Electric Co. Ltd., 1261, Shearer Street, Montreal, Quebec.
1953 Group				
CROWE, C. M.	Chemical	Physical Chemistry - Cambridge University. (2 years)	156, Ballantyne Ave. South, Montreal West, P. Q.	Is still in U.K. - present address - St. John's College Cambridge.
KENNEY, T. C.	Civil	Soil mechanics and foundations - Imperial College of Science and Technology. (2 years)	591, Desauldiers Boulevard, St. Lambert, Quebec.	
McINTYRE, E. H.	Metallurgical	Industrial metallurgy - Birmingham University. (1 year) United Steel Companies Ltd. (attached to Steel, Peck and Tozer Works). (1 year)	Apt. 4, 579, Jarvis Street, Toronto 5.	
TOWNSEND, D. L.	Civil	Soil Mechanics, Foundation Engineering - Imperial College of Science and Technology. (1 year) John Mowlem & Co. Ltd., and Soil Mechanics Ltd. (1 year)	C/o 644, Belmont Avenue, Westmount, Montreal 6, Quebec.	Teaching staff at Queen's University, Kingston, Ontario.

NAME	ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
MCGILL UNIVERSITY - continued				
1954 Group				
BRABANT, C. E.	Engineering Physics and Electrical	Electronics and Servo-mechanisms - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Manchester University. (1 year)	C/o Shell Oil Company, P.O. Box 100, Calgary, Alberta.	
CORBETT, F. M.	Electrical	Electrical Engineering (Switch gear and rectifiers) - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) The British Thomson Houston Co. Ltd., Rugby. (5 months)	C/o Aluminum Co. of Canada, Sun Life Building, Montreal.	
JONAS, J. J.	Metallurgical	Administration, Management and Production - Steel Company of Wales, Ltd. (1 year) Cambridge University. (1 year)	495, Prince Arthur St., W., Apt. 22, Montreal 18, Quebec.	Still in U.K. - present address - Caius College, Cambridge.
1955 Group				
ZAMES, G.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	3000, Maplewood Avenue, Apt. 7, Montreal, Quebec.	Still in U.K. - present address - London House, Guilford Street, London, W.C. 1.
1955 Group				
HAYES, W. F.	Mechanical	Aircraft frame design and aircraft control Mechanisms - College of Aeronautics, Cranfield. (2 years)	331, Carlyle Ave., Town of Mount Royal, Quebec.	Still in U.K. - present address - Lancaster Hall, College of Aeronautics, Cranfield, Eletchley, Bucks.
ROSS, G. MCK	Electrical	Telecommunications - Standard Telephones and Cables Ltd. (2 years)	528, Nicola Street, Kamloops, British Columbia.	Still in U.K. - present address - Grotes Lodge, Blackheath, London, S.E. 3.
SUTCLIFFE, F. H.	Civil	Imperial College of Science and Technology. (1 year) Messrs. E. J. Cook & Co. Ltd. (1 year)	10760, St. Urbain St., Montreal, P.Q.	Still in U.K. - present address - 70, Castelnaud, London, S.W. 13.
VILAGOS, J. P.	Mechanical	Production Engineering - Birmingham University. (1 year) Metropolitan-Cammell Carriage & Wagon Co. Ltd.	3911, Rivard St., Montreal, P.Q.	Still in U.K. - present address - 9, Rotton Park Road, Edgbaston, Birmingham.

WEBB, P. P.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	334, Stanstead Ave., Montreal, P.Q.	Still in U.K. - present address - 68, Lonsdale Road, London, S.W. 13.
1956 Group				
LEFCORT, M. D.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd. (1 year) 2nd year, at Birmingham University to be arranged.	641, Roslyn Ave., Montreal, P.Q.	Still in U.K. - present address - 12, Roston Road, Salford, Manchester 7.
PERKS, W. T.	Civil	Civil Engineering - City Engineer's Department, Bradford. (1 year) 2nd year to be arranged.	5837, Terrebonne Ave., Montreal, P.Q.	Still in U.K. - present address - 207, Stainbeck Road, Leeds 7.
WONHAM, W. M.	Electrical	Control Engineering - Cambridge University. (2 years)	28, Thornhill Ave., Westmount, P.Q.	Still in U.K. - present address - 28, Earl Street, Cambridge.
NATIONAL AERONAUTICAL ESTABLISHMENT				
1955 Group				
PRICE, P.	Aeronautical	Aeronautical engineering - Royal Aircraft Establishment. (2 years)	81, Riverdale Ave., Ottawa, Ontario.	Still in U.K. - present address - Flat 3, The Grange, Frensham, Surrey.
UNIVERSITY OF NEW BRUNSWICK				
1951 Group				
FYTCH, E. L.	Electrical	Electrical Engineering - Protection Engineering and System Interconnection - British Electricity Authority. (2 years)	Barrington, Nova Scotia.	L. and P. Company, Rio de Janeiro Tramways, Caixa, Postal 571, Rio de Janeiro, Brazil.
McCULLY, G. R.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)	84, Waverley Street, Ottawa.	Communications Branch, National Research Council, Ottawa, Ontario.
1952 Group				
DICENZO, C. D.	Electrical	Servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	39A, Queenston Heights, Box 994, Fort Henry P.O., Barrerfield, Ontario.	Royal Military College, Kingston, Ontario. Navy-lecturing. Tri-Service Military School.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF NEW BRUNSWICK - continued				
1953 Group				
BURRIDGE, R. E.	Electrical	Electrical Engineering - British Thomson Houston Co. Ltd., Rugby. (Continued studies at Rugby Technical College). (2 years)	Fredericton, R.R. #5, New Brunswick.	Central Engineering Office, Fraser Companies Ltd., Edmundston, New Brunswick.
SHEPARD, R. S.	Civil	Papermaking and Paper Mill Machinery and Business administration - Walmsleys (Bury) Ltd. (3 months) Courtaulds Ltd., Coventry. (1 month) Bertrams Ltd., Edinburgh. (7 months) London School of Economics. (1 year)	8 - 17th Avenue, Edmundston, New Brunswick.	
1954 Group				
BALLANCE, R. C.	Civil	Public Health Engineering - Imperial College of Science and Technology. (2 years)	518, Roosevelt Ave., Ottawa 3, Ontario.	
GRANT, E. J.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) The Pre-stressed Concrete Co. Ltd., London. (10 months)	Lower Newcastle, New Brunswick.	
1955 Group				
DEAN, J. R.	Mechanical	Heavy mechanical engineering. Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) Birmingham University. (1 year)	Campbellton, New Brunswick.	Still in U.K. - present address - 38, Valentine Road, King's Heath, Birmingham 14.
HALE, R. C.	Civil	Business Administration - London School of Economics. (1 year) 2nd year in industry to be arranged.	50, Mecklenburg Street, Saint John, New Brunswick.	Still in U.K. - present address - London House, Gullford Street, London, W.C.1.

OWER, W. N.	Mechanical	Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) 2nd year to be arranged.	208, Gowan Ave., Toronto, Ontario.	Still in U.K. - present address - 25, St. George's Ave., Rokeby Estate, Rugby, Warwick.
NOVA SCOTIA TECHNICAL COLLEGE				
1951 Group - Nil				
1952 Group				
FRANKLIN, D. H.	Civil	Structural Engineering - Imperial College of Science and Technology. (1 year) Sir William Arrol & Co. Ltd., Glasgow. (6 months) Scott and Wilson, Kirkpatrick and Partners, London. (6 months)	69, Bland Street, Halifax, Nova Scotia.	K. E. Whitman, Consulting Engineer, 22, Blower Street, Halifax, Nova Scotia.
WALLER, D. H.	Civil	Public Health Engineering - Imperial College of Science and Technology. (1 year) Metropolitan Water Board. (8 months) Main Drainage Department, Middlesex County Council. (2 months) Tame and Rea District Drainage Board, Birmingham. (1 month) Liverpool Corporation Waterworks. (1 month)	19, Seymour Street, Halifax, Nova Scotia.	City Engineer's Office, Department of Works, Halifax.
1953 Group				
MERRITT, J. M.	Mechanical	Power Plant Manufacture, Thermodynamics - C. A. Parsons & Co. Ltd., Newcastle upon Tyne. (1 year) Birmingham University. (1 year)	14, Norwood Street, Halifax, Nova Scotia.	National Research Council, Ottawa.
VACHAL, J. D.	Mechanical	Aeronautical Engineering - De Havilland and Co. Ltd., Hatfield (Continued studies at Hatfield Technical College). (2 years)	2945, Barclay Avenue, Apt. 8, Montreal.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1954 Group				
BUTCHER, R. S.	Mechanical	Manufacture of gas turbines - Rolls Royce Ltd., Derby. (2 years)	Middle Musquodoboit, Halifax County, Nova Scotia.	
ROY, A. H.	Mechanical	Mixed academic and practical experience in steam turbine technology. Thermodynamics - C. A. Parsons & Co. Ltd., (1 year) Birmingham University. (1 year)	C/o Price Brothers & Co. Ltd. Engineering Department, Kenogami, P.Q.	
1955 Group				
BENNETT, R. A.	Mechanical	Power Plant Engineering and marine turbine experience. Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	369, Pleasant St., New Glasgow, Nova Scotia.	
CAMPBELL, J. E.	Civil	Advanced structures - Imperial College of Science and Technology. (1 year) Messrs. Dorman Long (Bridge & Engineering) Ltd. (1 year)	35, George St., New Waterford, Nova Scotia.	Still in U.K. - present address - London House, Guilford Street, W.C.1.
WELD, G. B.	Mechanical	Mechanical Engineering, Applied Mechanics - The Brush Group Limited and Sheffield University.	16, Waegwoltic Ave., Halifax, Nova Scotia.	45, Marlborough Road, Sheffield 10.
1956 Group				
LANE, A. D.	Mechanical	Atomic power - Metropolitan-Vickers Electrical Co. Ltd., Manchester and Reactor School, Harwell.	142, Monis Street, Halifax, Nova Scotia.	Still in U.K. - present address - 16, Hartington Road, Chorlton-cum-Hardy, Manchester 21.
QUEEN'S UNIVERSITY				
1951 Group				
BRECK, W. G.	Chemical	Electro-Chemistry - University of Cambridge. (2 years)	Royal Military College, Kingston, Ontario.	

SINCLAIR, G. R.	Civil	Concrete Structures - Imperial College of Science and Technology. (2 years)	1227, Argyle Road, Windsor, Ontario.	Canadian Bridge Co., Walkerville, Ontario.
SLINGERLAND, F. W.	Mechanical	Gas Turbine Technology - Imperial College of Science and Technology. (2 years)	95, Findlay Avenue, Ottawa, Ontario.	Operational Research Department of National Defence, Quebec, P.Q.
WILLIAMS, A. J.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	C/o 124 Fentiman Avenue, Ottawa, Ontario.	Department of Mines and Technical Surveys, Ottawa.
1952 Group				
BIGHAM, C. B.	Engineering Physics	Nuclear Physics - University of Liverpool. (2 years)	14, Spring Avenue, Deep River, Ontario.	Atomic Energy Ltd., Chalk River, Ontario.
MacMILLAN, F. A.	Engineering Physics	Aerodynamics - University of Cambridge. (2 years)	Box 432, Cochrane, Ontario.	Defence Telecommunications Establishment, Montreal Road, Ottawa.
MITCHELL, J.	Engineering Physics	Electronics and Servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (9 months)	325, Claremont Drive, Ottawa.	Defence Telecommunications Establishment, Montreal Road, Ottawa.
NIKIFORUK, P. N.	Engineering Physics	Electronics - The University, Manchester. (2 years)	Vegreville, Alberta.	Defence Construction Ltd., Edmonton, Alberta.
1953 Group				
BENETEAU, P. J.	Engineering Physics	Electronics - Imperial College of Science and Technology. (10 months)	906, International House, 500, Riverside Drive, New York, 27.	
BROWN, R. L.	Engineering Physics	Aircraft Propulsion - College of Aeronautics, Cranfield. (2 years)	695 - 2nd Avenue East, Owen Sound.	
HILL, P. G.	Mechanical	Gas Turbine Industry. Thermodynamics - Rolls Royce Ltd., Derby. (1 year) Birmingham University. (1 year)	3858, Laurel Street, Vancouver, British Columbia.	
MTSSEN, R. W.	Chemical	Physical Chemistry - Cambridge University. (2 years)	201, Water St. E., Apt. 11, Burlington, Ontario.	Still in U.K. - present address - 4, Brookfield, Newham Walk, Cambridge.
OLSON, A. T.	Mechanical	Gas Turbine Industry. Thermodynamics - Rolls Royce Ltd. (1 year) Birmingham University. (1 year)	Gravenhurst, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
QUEEN'S UNIVERSITY - continued				
1954 Group				
ELLIS, J. S.	Civil	Structures and Materials - Cambridge University. (2 years)	418, Earl Street, Kingston, Ontario.	Still in U.K. - present address - St. John's College, Cambridge.
MacDONALD, I. J.	Mechanical	Mechanical Engineering, and Thermodynamics - Fraser and Chalmers in G.E.C. Group. (1 year) Birmingham University. (1 year)	7320, Sherbrooke St. W., Montreal.	
PIKE, J. G.	Mechanical	Thermodynamics and Construction of gas turbines - Bristol Aeroplane Co. Ltd. (1 year) Birmingham University. (1 year)	268, Homewood Ave., Hamilton, Ontario.	
TURNER, L. R.	Chemical	Design and manufacture of heat transfer equipment, suitable for chemical plant - Messrs. Foster, Wheeler Ltd., London. (2 years)	207, Stuart St., Kingston, Ontario.	
1955 Group				
CORNEIL, E. R.	Mechanical	Servomechanisms - Imperial College of Science and Technology. (2 years)	R.R. #1, Thorold, Ontario.	Still in U.K. - present address - 328, Upper Richmond Road West, London, S.W.14.
McLELLAN, P. W.	Chemical	Petroleum Industry - British Petroleum Co. Ltd., and Power Gas Corporation.	254, Perreault St. E., Rouyn, Quebec.	Still in U.K. - present address - Lensbury Club, Broom Road, Teddington, Middlesex.
TWISKU, H. E.	Mechanical	Aero engineering, specialising in helicopters - College of Aeronautics, Cranfield. (2 years)	129, Banning Street, Port Arthur, Ontario.	Still in U.K. - present address - Manchester Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.

1956 Group				
BROWN, J. A.	Chemical	Physical Metallurgy - Birmingham University. (2 years)	211, Kootenay Ave., Trail, British Columbia.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Birmingham, 15.
FUNKE, E. R. R.	Electrical Communications	Electrical Communications - Imperial College of Science and Technology. (1 year) Will probably spend 2nd year with Marconi's Wireless Telegraph Co. Ltd.	High Street, Morrisburg, Ontario.	Still in U.K. - present address - 19A, Wetherby Gardens, London, S.W.5.
HENDERSON, J. E.	Civil	Civil Engineering, structural research - Birmingham University. (1 year) 2nd year to be arranged with a structural firm.	C/o, Mr. A. B. McFarlane, P.O. Box 459, Aldershot, Ontario.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Birmingham 15.
HOWARD, J. H. G.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) 2nd year - thermodynamics - Birmingham University - to be arranged.	R.R.2, Rigaud, P.Q.	Still in U.K. - present address - 16, Hartington Road, Chorlton-cum-Hardy, Manchester, 21.
SKOCZYLAS, H.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (1 year) 2nd year, probably in industry, to be arranged.	21, Albert Street, Kingston, Ontario.	Still in U.K. - present address - 68, Lonsdale Road, Barnes, S.W.13.
UNIVERSITY OF SASKATCHEWAN				
1951 Group				
COLLIN, R. E.	Engineering Physics	Electronics and Radar - Imperial College of Science and Technology. (2 years)	708 - 28 St. West, Saskatoon, Sask.	Defence Research Board Establishment, C.A.R.D.E., Quebec City, Quebec (Microwave Section - Guided Missiles).
LINK, W. T.	Engineering Physics	Nuclear Physics - University of Birmingham. (2 years)	414, Qu'Appelle Hall, Saskatoon, Saskatchewan.	C/o, Physics Dept., McGill University, Montreal, Quebec. (Final year of Ph.D.).

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF SASKATCHEWAN				
1952 Group				
ALMOND, J.	Physics	Electronics - Imperial College of Science and Technology. (2 years)	1030, Colony Street, Saskatoon, Saskatchewan.	Defence Research Board, Ottawa (Electronics).
FRASER, D. J.	Geological	Oil Technology - Birmingham University. (10 months)	The Pas, Manitoba.	Sohio Petroleum Co., 109, Bamlett Bldg., 8th Avenue West, Calgary, Alberta.
1953 Group				
BLACHFORD, C. W.	Electrical	Electrical Engineering - English Electric Co. Ltd., Stafford. (2 years)	Box 56, Ardath, Saskatchewan.	
CLARK, J. C.	Agricultural	Mechanical engineering (Tractor Production) The David Brown Companies Ltd. (2 years)	C/o 2605, Rosser Avenue, Brandon, Manitoba.	
THOMPSON, K. M.	Chemical	Chemical Engineering - Imperial Chemical Industries Ltd., Billingham. (2 years)	324 - 5th Street, Saskatoon, Sask.	
1954 Group				
JONES, B. G.	Mechanical	Experience in utilisation of Atomic Energy - English Electric Co. Ltd., Rugby. (1 year) Atomic Energy Research Establishment, Harwell. (1 year)	Box 94, Lockwood, Sask.	Still in U.K. - present address - C/o Ridgeway House, A.E.R.E., Harwell, Didcot, Berkshire.
WRIGHT, P. M.	Civil	Structural Steel Work Design, Fabrication and Erection - Dorman Long (Bridge and Engineering) Ltd., Middlesbrough. (2 years)	308, Spadina Crescent W., Saskatoon, Sask.	Still in U.K. - present address - 5, Briarvale Avenue, Linthorpe, Middlesbrough.
1955 Group				
LANGEMAN, P.	Civil	Advanced structures - Imperial College of Science and Technology. (1 year) Messrs. Dorman Long & Co. Ltd. Middlesbrough. (1 year)	49 - 9th Avenue E., Swift Current, Sask.	Still in U.K. - present address - 33, Regent Road, Grove Hill, Middlesbrough.

SHIELDS, D. H.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) Scott & Wilson, Kirkpatrick & Partners, London.	Box 41, Rainy River, Ontario.	
1956 Group				
MICKLEBOROUGH, B. W.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) 2nd year, in industry, to be arranged.	Box 16, Grand Coulee, Saskatchewan. or Box 192, Eston, Saskatchewan.	Still in U.K. - present address - 147, Lavender Hill, London, S.W.11.
UNIVERSITY OF TORONTO				
1951 Group				
ARMOUR, J. M.	Engineering and Business	Production Engineering and Administration - Brockhouse Engineering (Stockport) Ltd., Stockport. (1 year) London School of Economics. (1 year)	24, Brendon Road, Toronto, Ontario.	Educational Supplies Association Ltd., 75, Queen Street South, Kitchener, Ontario.
FIRSTBROOK, W. A.	Engineering and Business	Metallurgy of Iron and Steel, and Administration - Royal Technical College, Glasgow. (1 year) London School of Economics. (1 year)	23, Alexandra Wood, Toronto 12, Ontario.	Alloy Metal Sales Ltd., Toronto, Ontario.
KOSKI, J. T.	Electrical	Servomechanisms and remote control - Imperial College of Science and Technology. (9 months)	1, Elm Avenue, Toronto, Ontario.	Staff Department of Electrical Technology, Ryerson Institute of Technology, 50, Gould Street, Toronto.
LEAIST, G. T.	Chemical	Rubber technology and administration - National College of Rubber Technology, London. (1 year) London School of Economics. (1 year)	100, Park Row Avenue, South, Hamilton, Ontario.	
LEIGH, D. C.	Engineering Physics	Electronics - University of Cambridge. (2 years)	5, Annesley Ave., Toronto 17, Ontario.	Convair Aircraft, Fort Worth, Texas, U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF TORONTO - continued				
1951 Group - continued				
MacDONALD, D. H.	Civil	Soil Mechanics and Geology. Structural and Hydraulic engineering - Imperial College of Science and Technology. (2 years)	Apt. 3, 2024, Murray Street, Niagara Falls, Ontario.	Ontario Research Foundation, 43, Queen's Park Crescent, Toronto.
MATTHEWS, J. N.	Mechanical	The Machine Tool Industry - H. W. Ward & Co. Ltd., Birmingham. (6 months) Churchill Machine Tool Co. Ltd., Manchester. (6 months) George Richards & Co. Ltd., Broadheath. (2 months) Kendall & Gent Ltd., Manchester. (1 month) John Lang & Co. Ltd., Johnstone, Scotland. (1 month) William Asquith & Co., Halifax. (1 month) Production Engineering Research Association, Melton Mowbray. (9 months)	49, Glengowan Road, Toronto, Ontario.	
MOFFAT, T. L.	Engineering and business	The Automobile Industry - The Rootes Group. (2 years)	1691, Bayview Avenue, R.R. #1, York Mills, Toronto, Ontario.	Canadian Kodak Co. Ltd., Mount Dennis, Ontario.
PRIOR, B. W.	Engineering Physics	Gas Turbine Technology - National Gas Turbine Establishment, Pyestock. (2 years)	Apt. 5, 33, John Street, Eastview, Ottawa, Ontario.	National Research Council, Ottawa.
STEPHENSON, D. G.	Engineering Physics	Gas dynamics and aerodynamics - Imperial College of Science and Technology. (2 years)	1, McLeod Street, Ottawa, Ontario.	National Research Council, Ottawa.
1952 Group				
ADAMS, E. J.	Mechanical	Mechanical engineering - English Electric Co. Ltd., Rugby. (2 years)	79, Arlington Avenue, Toronto, Ontario.	John Inglis Co., Toronto, Ontario.
CHURCH, P. B.	Aeronautical	Aircraft construction - Fairey Aviation Co. Ltd., Hayes. (2 years)	38, Buckingham Avenue, Toronto, Ontario.	

CROSS, D. H. E.	Physics	Gas Turbine technology - Imperial College of Science and Technology. (1 year) Rolls-Royce Ltd., Derby. (1 year)	322, Lakeshore West, Port Credit, Ontario.	Crenda Engines, Malton, Ontario.
DODD, W. B.	Mechanical	Fabrication and production - British Thomson-Houston Co. Ltd., Rugby. (2 years)	43, Thornhill Avenue, Toronto 9, Ontario.	Turbine Division, Canadian Westinghouse Co., Hamilton, Ontario.
RAYNER, W. M.	Mechanical	Manufacturing methods and processes - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (21 months)	14, Harris Crescent, Burlington, Ontario.	Department of Civil Engineering, Queen's University, Kingston, Ontario.
WRIGHT, G. D. T.	Civil	Plastic Analysis and design of structures - University of Cambridge. (2 years)	Georgetown, P.E.I.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
1953 Group				
DeLORY, F. A.	Civil	Soil Mechanics and Concrete Technology - Imperial College of Science and Technology. (2 years)		
DOOLEY, J. E.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) D. Napier & Sons, Acton. (1 year)	54, Bedford Park Avenue, Toronto 12, Ontario.	
FEE, E. W.	Mechanical	Mechanical Engineering - Industrial application of Atomic Energy - English Electric Co. Ltd., Rugby and Atomic Energy Research Establishment Harwell. (2 years)	517, Brock Ave., Toronto, Ontario.	
LAUBITZ, M. J.	Engineering Physics	Applied physics - Cambridge University. (2 years)	155, Walmer Road, Toronto, Ontario.	
MOLOZZI, A. R.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	C/o Box 82, Georgetown, Ontario.	Still in U.K. - present address - 5, Washington Road, London, S.W. 13.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF TORONTO - continued				
1953 Group - continued				
NEILL, M. T.	Mechanical	Mechanical engineering with special reference to Gas Turbine Locomotives - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year, 7 months) Messrs. Poole and Associates, Marple Bridge. (5 months)	574, St. James Street, London, Ontario.	
WOOD, J. K.	Chemical	Mechanical engineering and Instrumental Control - College of Technology, Manchester. (1 year) Imperial Chemical Industries Ltd. (1 year)	3002, Albert Street, Regina, Saskatchewan.	
1954 Group				
BATE, D. L. S.	Engineering Physics	Manufacture of turbo-alternators and switch gear and Power Generation from Atomic Energy - C. A. Parsons & Co. Ltd., Newcastle and A. Reyrolle & Co. Ltd., Hebburn, Co. Durham. (2 years)	9, Slibbard Ave., Toronto, Ontario.	Still in U.K. - present address - 82, Grove Park, Knutsford, Cheshire.
BRYCE, W. W.	Aeronautical	Aerodynamics - College of Aeronautics, Cranfield. (2 years)	344, Lisgar Road, Rockcliffe Park, Ottawa, Ontario.	Still in U.K. - present address - Lanchester Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.
DOWLING, P. J.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year, 10 months)	Room 620, 736, Granville St., Vancouver 2, British Columbia.	
PETTIGREW, H. C.	Engineering Physics	Electronics and Remote Controls - Imperial College of Science and Technology. (2 years)	Otterville, Ontario.	
RHODES, R. T.	Engineering and business	Works experience in light engineering quantity production - The Rootes Group, Coventry, Luton, Maidstone, London. (2 years)	57, Otter Crescent, Toronto 12, Ontario.	

SHAW, D. S.	Engineering and business	Production techniques and management - General Electric Co., Ltd., Witton. (1 year) Birmingham University. (1 year)	Victoria Street, Walkerton, Ontario.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Birmingham 15.
1955 Group				
BURKE, P. D.	Engineering and business	Electronics related to communications - Standard Telephones and Cables Ltd. (2 years)	182, Toke Street, Timmins, Ontario.	Still in U.K. - present address - Grotes Lodge, Blackheath, London, S.E.3.
FRENCH, J. B.	Chemical	Technology of Gas Turbines and Rockets - National Gas Turbine Establishment. (1 year) Birmingham University. (1 year)	15, Statler Ave., Islington, Ontario.	Still in U.K. - present address - 33, Bienheim Road, Moseley, Birmingham 13.
HAM, R. K.	Engineering Physics	Physical metallurgy - Birmingham University. (2 years)	R.R. 2, Paris, Ontario.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Birmingham 15.
HANSON, J. V.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)	15, Ivor Road, Toronto 12, Ontario.	Still in U.K. - present address - 68, Lonsdale Road, Barnes, S.W.13.
HARRIS, S. G.	Metallurgy	Metallurgy - Birmingham University. (2 years)	Nakina, Ontario.	Still in U.K. - present address - 45, Poplar Ave., Edgbaston, Birmingham 17.
LOWE, D. C.	Engineering and business	Automobile Engineering - Vauxhall Motors Ltd. (1 year) Birmingham University. (1 year)	89, Gorge Street, Oshawa, Ontario.	Still in U.K. - present address - 17, Cavendish Road, Quinton, Birmingham 32.
SIMPSON, R. W.	Aeronautical	Aircraft design and propulsion - College of Aeronautics, Cranfield. (2 years)	2247, Lillian Street, Windsor.	Still in U.K. - present address - Lanchester Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.
1956 Group				
ARMSTRONG, M. J.	Engineering and business	Industrial Engineering - The Brush Group Ltd. (1 year) 2nd year to be arranged - university or college course on business administration management or industrial training.	41, Pheasant Lane, Toronto 16, Ontario.	Still in U.K. - present address - Alderton Lodge, The Causeway, Staines, Middlesex.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF TORONTO - continued				
1956 Group - continued				
CRAWFORD, G. A.	Metallurgy	Extractive Metallurgy - Imperial College of Science and Technology. (2 years)	49, Heddington Ave., Toronto 12, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
HARRISON, M. A.	Engineering Physics	Business Administration - London School of Economics. (1 year) 2nd year to be arranged.	23, Catalina Drive, Scarborough, Ontario.	Still in U.K. - present address - Flat F, 11, Kensington Court, London, W.8.
MORGENSTERN, N.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	76, Strathearn Road, Toronto, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
NETTLETON, T. R.	Aeronautical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	167, Castlefield Ave., Toronto, Ontario.	Still in U.K. - present address - Lanchester Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.
SWANSON, S. R.	Aeronautical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	529, North Cumberland St., Port Arthur, Ontario.	Still in U.K. - present address - Lanchester Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.
WALLACE, R. R.	Civil	Concrete Technology - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	C/o Canada Starch Co. Ltd., Cardinal, Ontario.	Still in U.K. - present address - 68, Lonsdale Road, Barnes, S.W.13.
WILENIUS, G. P. T.	Mechanical	Thermodynamics and Heat Transfer- Imperial College of Science and Technology. (1 year) 2nd year to be arranged with an Atomic Energy Power Generation organisation.	65, O'Brien Ave., South Porcupine, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.

PR[K 5.5 —

ATHLONE FELLOWSHIPS

NEWS LETTER NO. 2

December 1957



ATHLONE FELLOWSHIPS

NEWS LETTER NO. 2

December 1957

ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Sir Arthur P. M. Fleming, C.B.E. (Chairman)
 Sir Henry Gregory, K.C.M.G., C.E. (Vice Chairman)
 A. M. Holbein, Esq., C.B.E. (Federation of Civil Engineering Contractors)
 D. D. Walker, Esq., M.A., M.I.E.E. (British Engineers Association)
 G. S. Bosworth, Esq., M.A., A.M.I.Mech.E., A.M.I.E.E. (British Electrical and Allied
 Manufacturers' Association)
 C. M. Beckett, Esq., T.D., M.A., M.I.E.E. (Scottish Engineering Interests)
 Professor H. E. M. Barlow, B.Sc., Ph.D.)
 Professor D. G. Christopherson, O.B.E., B.A., D.Phil., S.M.) (University
 Professor E. G. Cullwick, O.B.E., M.A., D.Sc., F.R.S.E.) Representatives)
 Professor S. C. Redshaw, D.Sc., Ph.D.)
 J. Young, Esq. (Trades Union Congress)
 W. V. Jenkins, Esq. (Federation of British Industries)
 E. N. Gummer, Esq. (The British Council)
 Mrs. E. Tegart, O.B.E. (Board of Trade)
 M. Scott, Esq. (Commonwealth Relations Office)
 Miss S. M. E. Goodfellow (Ministry of Education)
 Dr. J. G. Strachan, H.M.I. (Scottish Education Department)
 Dr. H. H. Burness, C.B.E., M.C. (Adviser)
 R. Burgess, Esq. (Secretary)

The Athlone Fellowships News Letter No. 2

Foreword by Sir Arthur P. M. Fleming, C.B.E., D.Eng., LL. (Chairman of the Managing
 Committee in the United Kingdom).

It seems such a short time since Dr. Abbott and I travelled from coast to coast in
 Canada to discover whether there was a place for an arrangement which would bring
 young Canadian Engineers to Britain to see something of our Engineering achievements and
 to help to develop mutual understanding between Canada and the United Kingdom.

The reception given us at that time was most friendly and helpful and
 H.M. Government in the United Kingdom decided to institute "The Athlone Fellowships".

As Chairman of the Managing Committee in London I have, of course, been in very close
 touch with the working of the Scheme and have met very many Fellows in the United Kingdom.
 I can say without hesitation that the high hopes we held at the beginning of the Scheme in
 1950-51 have been more than justified.

To all Fellows, past, present and future, I wish the very best of good fortune and
 trust they will find great pleasure in maintaining the links between the two countries
 which I know they are forging.

A.P.M. Fleming



The Earl of Athlone

Readers will have learnt with deep regret of the death of the Earl of Athlone on the 16th January, 1957, at the age of 82. The Earl's death occurred at Kensington Palace, where he had been living in retirement after a long and distinguished career in the service of the Crown that had taken him to many parts of the world.

Canadian readers will of course remember him with affection as their Governor-General during those critical years from 1940 to 1946. Happily there is a living link which will perpetuate this war-time association - the Athlone Fellowships Scheme, honoured by the name of the Earl, will, it is hoped, continue to foster those good relations between Canada and the United Kingdom which were for so long his concern.

It is considered fitting that this second News Letter of the Athlone Fellowships Scheme should include tokens of Canadian respect and esteem for the Earl. The paragraphs which follow are taken from the Obituary Notices which appeared in the Canadian press.

"The Earl of Athlone, dead in London at the age of 82, was a legacy from the days of VICTORIA. A Prince by birth, a brother of Queen MARY and married to VICTORIA's granddaughter, he was an aristocrat of the aristocrats, laden with titles, decorations and honours, many of them from foreign lands.

But he was an aristocrat who never held aloof from public duty, who had a passion for service, and in peace as well as war he served England, the Empire and the Commonwealth with devoted distinction.

Perhaps his most notable public accomplishment was when as Governor General of South Africa, a post which he accepted in 1923, he won the esteem and confidence of Nationalist extremists and probably kept South Africa in the Commonwealth.

And equally successful, if in a different way, was his part as Governor General of Canada. Rideau Hall may have had more spectacular or more energetic occupants; it never had one more democratic nor more devoted to his task. This man was a member of the Royal Household, but no one could have put on fewer royal airs nor held himself less aloof from all classes of our people.

Interested in everything, he loved nothing better than quite fireside chats over a whisky and soda with people who might have interesting things to tell him, and there were occasions when he put aside the cares and dignity of his office to spend an evening of good talk and fun with a few congenial 'cronies'.

But England, the Empire and the Commonwealth were his first loves - he had served them in three wars and there was nothing he would not sacrifice to serve them in peace.

To sum him up, he had the simple and rugged honesty, the kindness and passion for service which have made the British Royal family beloved by British peoples and respected by the world.

To his widow, the Princess ALICE, she whose family motto is 'fearless and faithful', Canadians extend their deepest sympathy."

"For many Canadians who were privileged to meet the Earl of Athlone and his wife, Princess Alice, when he was Governor-General between 1940 and 1946, there will be a sincere regret that his long and useful life has come to an end. Rarely, indeed, has the

Governor-General been a more popular figure, and never have the arduous duties of the office been discharged with more grace and enthusiasm than during the Earl's extended term.

In all the activities of his long life, the Earl of Athlone was greatly aided by the charm and practical spirit of his wife, Princess Alice. She shared to the full the general respect and affection accorded her husband. To her in his hour of loss, we join our fellow Canadians in expressing the full measure of our sympathy."

"The Earl of Athlone, who died yesterday in London was probably the only person to be selected twice for the post of Governor General of Canada. He was named in the summer of 1914 and was preparing to cross the Atlantic when war broke out. Released from the appointment, he entered active service, winning, among other honors, the French Legion of Honor, the Croix de Guerre and the Belgian military medal. And it was during the critical years of World War Two that his second appointment came. The third close relative of a reigning sovereign to become Governor General, he proved an able and popular representative. His interest in Canadian affairs remained with him in later years, and found frequent expression in his reported utterances."

"Across the nation there will be sadness at the death of the Earl of Athlone, Governor General of Canada from 1940 to 1946. And there will be memories evoked of visits by the Earl, and Princess Alice, to hospitals, factories and military establishments throughout the country.

"For his term of office - he was the sixteenth Governor General - covered practically the whole of the war years, witnessing a gigantic war effort and a seven-fold expansion of Canadian industry.

He was the second member of the Royal Family to be appointed Governor General of Canada, the first being the Duke of Connaught. And just as the Duke of Connaught seemed to be a living symbol of Canada's contribution in the First World War, the Earl of Athlone continued in this realm during the second conflict.

His sincere love of people and desire to meet them was a leading characteristic. In 1917 he discontinued the style and title of 'Serene Highness' and 'Prince' and assumed the surname of 'Cambridge'.

The Earl never lost an opportunity to give hope and encouragement during those darker days, and addressing a student body at McGill University he referred to the 'rather introspective and morbid young people' who saw nothing but blank despair in the future. 'If these young people who share such despondency,' he observed, 'could be made to realize that they are the people we are looking for in the future, that they are the ones to rebuild and reconstruct the world, I am convinced that they would take heart again.'

There will always be an important place in Canadian history for the gracious Governor General who quietly pleaded the cause of freedom of thought and liberty of conscience and for the smaller humble and harmless activities that make up daily life."

Sir Norman Kipping, J.P., Director-General of the Federation of British Industries, has kindly supplied the following note:-

BRITAIN AND CANADA

For her future exports and their growth, Britain looks specially to her "scientific" industries and to her pre-eminence in the discoveries and developments in scientific fields, and to high quality specialised goods in the older industries.

Britain can afford nothing out-of-date in her industrial methods, and during the last ten years there has been a vast move forward in re-equipment and mechanisation and in the introduction of countless new products and new industries. Indeed, so rapid is the rate of change that forecasts about the pattern and value of exports a few years ahead have become of doubtful value for a new reason; much that will be sold even five years from now is still undeveloped, and much that will be sold ten years hence is today almost unimagined.

Certainly, ten years ago few would have dared forecast that our Calder Hall Atomic Power Station would have been successfully running by 1956, justifying the establishment of a £900 million programme of further stations in the next few years. These new stations are not to be mere copies of one another. Their design and construction are in the hands of five great groups of companies.

Thus power from atomic sources will become a significant factor in our fuel budget many years sooner than forecast, strengthening our economy at many points. In view of our growing long-term needs, the United Kingdom Atomic Energy Authority has negotiated a contract with Atomic Energy of Canada, Ltd. for the supply of uranium and the \$41 million investment by the Rio Tinto Group in the Blind River uranium development constitutes the largest single item of post war investment by British private capital in Canada to date.

In the field of radio-active isotopes, we remain the biggest exporter in the world, and I am told that the development of new applications in this field is at the rate of one a week.

Turning to aircraft, we have captured world markets for gas turbine aero engines, Rolls Royce alone having orders for over 2,000, which is well over half the outstanding orders in the world. And the De Havilland Gyron, Rolls Royce Conway and Bristol Olympus engines have, of course, the highest thrust figures in the world.

As to aircraft themselves, 368 Viscount turbo-prop airliners have been ordered by 33 air lines, 6 Governments and 5 private organisations, a considerable proportion in Canada and the United States; and 220 of these have been delivered. Now the Britannia turbo-prop airliner is getting into her swing - 70 were sold or on order last year, five for a U.S. airline; 34 Comet IV pure jet airliners were on order, 14 for a U.S. operator. Trans Canada Airlines have ordered 20 Vickers Vanguard Turbo-props with an option on 4 more. This order is of special interest as being the largest single commercial dollar-export order since the war, the total value (with spares) being £24 million. Then of course we are making Gnat fighters and Canberra Bombers for India, Sea Hawks and Hunter trainers for the Netherlands, Pembroke transports for Denmark, helicopters and Heron air liners for many countries.

In our traditional ship building industry, one of our most notable achievements recently has been the building of the latest trans-Atlantic liner, the Empress of England, which was launched in May last year and is now in service with the C.P.R.

Other engineering products cover such a varied field that any full survey is beyond the scope of this note.

I will pick out for mention the manufacture of contractors' plant - earth-moving equipment and other associated machinery. The development and output of this type of machine have been remarkably rapid since the war, and have reached now some £80 million a year, almost a half of which is exported.

A British firm has recently produced one of the largest walking dragline excavators in the world, with a bucket of 20 cubic yards capacity on a 282 foot beam. This is used for open cast coal mining, a field in which 9,000 men do work which, by the methods of last century, would have taken 500,000.

We are producing, too, an increasingly wide range of crawler tractors, which used to be supplied exclusively by the United States. A British firm has produced a tractor-towed "train" which carries out the whole process of soil stabilisation, pulverising the soil to sufficient depth, spreading and mixing the additive and compacting the mixture in a single traverse of the site.

Of many remarkable achievements in the electrical field the transatlantic telephone cables made in England and laid by a British cable ship are a remarkable example. The quality of speech transmitted by these cables is almost perfect. Now work is going on for the design and manufacture of a power cable to link Britain with the continent of Europe. Equally remarkable developments have occurred in machine tools, office machinery, electronic control gear of many types and in great variety, mechanical handling equipment, air-conditioning machinery, agricultural machinery, machines for making synthetic fibres, spraying machinery, diesel locomotives, and even in prefabricated buildings, and all are contributing notably to British exports.

Only last month (October 1957) a British firm (Metro-Vickers) secured a \$25 million contract, against competing bids from seven other companies in the United States, Germany and elsewhere, to supply steam turbine generating equipment to the B.C. Electric Company for the rapid power development which is taking place in the Vancouver area. Another British firm (English Electric) is supplying sixteen 75,000 H.P. water turbines costing \$7.5 million for the hydro-electric development in the International Section of the St. Lawrence Seaway.

In the space of 25 years, the consumption of the United Kingdom aluminium industry has grown from 25,000 to some 400,000 tons a year. Much of it goes into products which are exported, such as ships, vehicles and electrical products. Britain now has in service her first two all-aluminium bridges, while she has pioneered the use of aluminium in constructing large structural members, such as the huge hangars at London Airport, and the booms of very large dragline excavators.

We rely on Canada for most of our supplies of aluminium ingot (over 300,000 tons). It was on account of this vital and growing need that the British Government, even at a time of acute dollar shortage, helped to finance the Kitimat Kemano project of the Aluminum Company of Canada. Likewise the British Aluminium Company is now going ahead, through a Canadian subsidiary, with its plans for the eventual annual production of 145,000 tons of aluminium at Baie Coseau.

Throughout, British industry is expansionist in feeling and scientifically and technically advanced, and sees clearly that its future rests upon its ability to retain its leadership. A significant part of our growing trade with Canada - and our increasing investment in Canada - is going, as I have indicated, into the development of Canadian resources which help in turn to feed our own industrial needs. And the more we can earn by our dollar exports the more fully we can contribute to this industrial partnership.

N. K.

Note by Dr. H. H. Burness, C.B.E., M.C. (Adviser to the Athlone Fellowships Scheme)

SELECTION TOURS

From a fireside in London the prospect of a 13,000-mile return journey across the Atlantic and across Canada in January and February does not appear particularly attractive - zero temperatures being practically unknown and sub-zero unheard-of, the anticipation of a Prairie climate of "40 below" is not cheerful. But then that was because I had no experience of the Canadian way of life: of minimum temperatures of 70 degrees in all inhabited enclosures - houses, offices, hotels, universities, trains, aircraft, and even ice hockey arenas. I now realise that I have less cause for terror than have young Canadians coming to spend two winters in the United Kingdom without the luxury of central heating.

In fact, the Athlone Fellowship selection tour is one of the most pleasant and exhilarating experiences one could wish for. The enthusiastic interest, the friendly attitude, and the hospitality of the Canadian universities are outstanding. Relatively few individuals from the United Kingdom - and, in fact, very few Canadians - can have similar opportunities of seeing so much of Canadian universities in a few weeks, or of meeting and talking with such a fine cross-section of Canadian young men.

One striking feature which can be realised only by people who have the opportunity of "stopping off" at centres all across Canada from the Maritimes to Vancouver is that while every part is definitely and essentially Canadian, there are many Canadas: not only "Eastern" and "Western" - and where is the dividing line, the Rockies or the Laurentians? - or French Canada and Anglo-Saxon Canada. Most unfortunately, there is no opportunity to see Canada except when it is snow-covered, otherwise, probably many more Canadas would be discovered.

Certainly I have found that courtesy, readiness to assist a stranger, hospitality and imagination are not confined to any particular areas or to any particular groups of people: from professors, deans and presidents of universities, and vice-presidents and presidents of large industrial organisations, to the dining-car waiter who produced a large "scotch" from an imaginary bottle in my bag in the parlour-car on a Sunday evening train journey.

Selection Boards

The Canadian universities and Athlone Fellows are well aware of the details of the selection procedure, but others who read this Letter may be interested to know the arrangements.

There is set up at each university a selection board of which the Dean of Engineering is Chairman; other engineering professors are members, together with a representative of local Canadian industry, the United Kingdom Trade Commissioner for the area, a member of the United Kingdom High Commissioner's staff from Ottawa, and the Adviser to the Athlone Fellowships Managing Committee in the United Kingdom.

The candidate's academic record, particulars of his "extra curricular activities", etc., are before the board; the candidate is called in and introduced by the Chairman to the individual members. Much of the questioning of the candidate falls to the Adviser, who, being responsible for placing the successful candidates in the United Kingdom, wishes to find out the candidate's main interests, his possible future career in Canada and his reasons for desiring the particular programme of training in the United Kingdom which he has outlined on his application but on which he may subsequently have changed his mind. Other members of the board also question the candidate on his technical and other interests. When all candidates have been interviewed, the individual members of the board place them

in order of merit, taking into account all relevant factors. The successful candidates are notified immediately, as far as the 28 A Group candidates are concerned. Decisions on the 10 B Group candidates who have graduated in previous years and are not necessarily interviewed at their own universities are taken at the end of the tour.

There is no allocation to or preference for particular branches of engineering, and all the fields for which instruction is provided in the universities have produced successful candidates.

Contacts with Industry & Research Establishments

If the scheme is to be of maximum benefit to Canadian and United Kingdom industry, it is essential that those responsible for the placing of Fellows in industry and universities in the United Kingdom should have some knowledge of Canadian industry and of its wishes and needs regarding technical, scientific and executive manpower. It has, therefore, been agreed that during the selection tour the Adviser should see something of Canadian industrial plants and have an opportunity of consulting executives as to how the intentions of the scheme can be forwarded. In this connection, it is important to take into account the differences in the organisation of industrial plants and of the educational systems in the two countries.

The reception accorded to the Adviser and his colleagues by industrial executives could not have been more helpful or hospitable.

During the 1955, 1956 and 1957 tours 26 industrial plants were visited. They included large non-ferrous smelting plants and heavy structural engineering works, atomic energy and hydro-electric power plants including Chalk River and Niagara; heavy and light electric engineering, pulp and paper plants, and a cereal plant.

The extremely rapid industrial expansion in Canada is, of course, realised by most people in the United Kingdom, but it is only by visiting plants that any real idea can be obtained, not only of the scope and volume of industrial development, but also of the extreme rapidity with which the most up-to-date scientific knowledge and techniques are being developed and applied. One has in mind nuclear energy, radar and aero-photographic survey methods, the use of geophysics and geochemistry in prospecting, the applications of servo-mechanisms and computers, and all the apparatus of what has come to be called "automation". It is quite clear that the universities in Canada are introducing undergraduate engineers to all these aspects, and the great majority of the candidates for Athlone Fellowships wish to study and see the application of these various methods in the United Kingdom.

In such a situation it is, of course, also important to see something of the work of the Canadian research establishments, and visits have been paid to Chalk River, National Research Council centres in Ottawa and other places, the Institute of Aerophysics in Toronto, and also to Service establishments such as C.A.R.D.E. and the R.C.N. Research Station at Halifax.

This brings to mind the fact that a high proportion of successful Athlone Fellows hold reserve commissions in the technical branches of all three Canadian Armed Services. Some four or five regular officers have also been awarded Fellowships on the grounds that they were on short-term engagements or had special interests which brought them within the spirit of the scheme.

Discussions on the most friendly bases with the Canadian Services have, however, shown that, in view of the reorganisation of training programmes and other considerations, officers with regular Canadian Service commitments should not in future be accepted as candidates.

In Athlone Fellowships News-Letter No 1, of December, 1956, the Managing Committee expressed its appreciation of the interest and help of various persons and organisations in Canada. May I, at this stage, add my personal thanks to all those who make the selection tours so pleasant, interesting and exhilarating. In addition to all Canadians and

Canadian organisations, academic and industrial, I must thank colleagues in the United Kingdom Government service, in the High Commissioner's Office in Ottawa, and Trade Commissioners and Information Officers in all the provinces for their assistance and advice on all possible occasions.

Finally, may I make a plea that past and present Fellows will make contributions to future issues of the News Letter which is, after all, intended primarily to be a means of communication among Fellows for exchange of experiences and news of progress.

H. H. B.

Note from the Managing Committee in the United Kingdom

The Managing Committee for the Athlone Fellowships Scheme have pleasure in issuing this second News Letter to past and present Fellows and to the many friends of the Scheme on both sides of the Atlantic. The enthusiasm with which the first issue was received by all concerned was greatly encouraging to the Committee and satisfied them that there was a place in the scheme of things for such a means of communication among Fellows and others interested in the project.

Readers may be interested to have some information as to the distribution of the first issue of the News Letter. Copies were, of course, sent to all Fellows, past and present. Others were sent to about 100 firms in Canada and to those organisations in the United Kingdom which had taken Fellows for training, about 80 in number. The Canadian universities received copies and some 160 copies were distributed among the universities and technical colleges in the United Kingdom at which Fellows had worked. Copies were also sent to the major engineering institutions in the United Kingdom and to the Agents-General for the Canadian Provinces. The Committee regard this distribution as satisfactory, but it is hoped that for this second issue an even wider circulation will be possible. Readers wishing to have additional copies can obtain them on request from the Secretary to the Athlone Fellowships Managing Committee at the Ministry of Education, Curzon Street, London, W.1., England.

The Committee were a little disappointed that despite the enthusiasm with which the first issue was received, no contributions for inclusion in subsequent issues were forthcoming. They therefore reiterate that they will welcome notes from past and present Fellows about their experiences in the United Kingdom, and are particularly anxious to hear from past Fellows of their careers in Canada, their progress in their employment, and any incidents or items which would interest other Fellows or any of the other recipients of the Letter both in the United Kingdom and in Canada. They will also welcome contributions for the Letter from universities and employing organisations both in the United Kingdom and Canada on any matter which would be of interest to persons connected with the Scheme and particularly any suggestions for its improvement.

The Managing Committee are also anxious to receive from all past Fellows, information to keep their records up-to-date. They will, therefore, be pleased if these Fellows will complete the tear-off slip on page 13 and send it to the Secretary, Athlone Fellowships Managing Committee, Ministry of Education, Curzon Street, London, W.1.

Since the issue of the first News Letter the 1957 Group of Athlone Fellows has arrived in the United Kingdom and the number of Fellows who have returned to Canada is now 171. Of these some 30 remained in the United Kingdom after the period of their Fellowship, 24 to complete work for higher degrees and 6 to extend their industrial experience. There are at present in the United Kingdom 73 Fellows who have not yet completed the two years of their Fellowship and a further 14 who are extending their stay beyond the period of their Fellowship.

Of the 258 Fellows who have come to the United Kingdom since the Scheme's inception, 105 have had two years' university training, 51 two years industrial training and 102 mixed experience of one year in university and one year in industry. The number of individuals studying the various branches of engineering in the United Kingdom are as follows:-

Mechanical (including Production Engineering and Administration)	58
Aeronautical	29
Light Electrical	48
Heavy Electrical	10
Civil	52
Chemical	20
Physics	2
Forestry	1
Metallurgy	16
Metalliferous Mining	2
Petroleum Technology	1
Physical Chemistry	3
Nuclear Physics	3
Nuclear Chemistry	1
Nuclear Power	11
Environmental	1

Reports by the Fellows and by their employers and university tutors continue to indicate that the Scheme is working satisfactorily and is achieving its aims. The universities and the increasing number of firms in the United Kingdom which have accepted Fellows for training are enthusiastic about the project and are giving it every assistance. To these friends, and to those in Canada, the Managing Committee send their sincere thanks and appreciation.

TEAR OFF SLIP

Name.....

Address in Canada.....

Name of employer.....

Present appointment and nature of work.....

Any promotion in employment since returning to Canada.....

ATHLONE FELLOWS 1951-1957

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Adams, E. J.	1952	Toronto	B
Affleck, R. R.	1955	British Columbia	A
Aker, D. L.	1953	Manitoba	B
Allen, L. D.	1953	Alberta	A
Almond, J.	1952	Saskatchewan	A
Amyot, L.	1955	Ecole Polytechnique	A
Armour, J. M.	1951	Toronto	A
Armstrong, M. J.	1956	Toronto	A
Arnold, J. R.	1953	British Columbia	A
Arsenault, R. A. J.	1953	Ecole Polytechnique	A
Atkins, W. R.	1957	Alberta	B
Bach, G. G.	1952	Alberta	A
Bachovzeff, C.	1951	McGill	A
Ballance, R. C.	1954	New Brunswick	A
Bate, D. L. S.	1954	Toronto	B
Beck, H. R.	1952	Manitoba	B
Bedard, M. R.	1953	Laval	A
Belrose, S.	1953	British Columbia	B
Beneteau, P. J.	1953	Queen's	A
Bennett, R. A.	1955	Nova Scotia Technical College	A
Bessette, H.	1952	Ecole Polytechnique	B
Bigham, C. B.	1952	Queen's	A
Bjornsson, A. B.	1955	Manitoba	B
Blachford, C. W.	1953	Saskatchewan	A
Boivin, F.	1951	Ecole Polytechnique	A
Bourassa, P.	1951	Ecole Polytechnique	A
Brabant, C. E.	1954	McGill	A
Breck, W. G.	1951	Queen's	B
Brisson, J. R.	1951	Laval	A
Brockley, C. A.	1952	British Columbia	B
Brown, J. A.	1956	Queen's	B
Brown, L. M.	1957	Toronto	A
Brown, R. L.	1953	Queen's	B
Bryce, W. W.	1954	Toronto	B
Burke, P. D.	1955	Toronto	B
Burridge, R. E.	1953	New Brunswick	A
Butcher, R. S.	1954	Nova Scotia Technical College	A
Campbell, J. E.	1955	Nova Scotia Technical College	A
Campbell, M. C.	1957	Nova Scotia Technical College	A
Cass, G. R.	1957	New Brunswick	A
diCenzo, C.	1952	New Brunswick	A
Chamberlain, R. E.	1951	McGill	A
Cherry, S.	1952	Manitoba	A
Chollet, J.	1953	Laval	A
Church, P. B.	1952	Toronto	A
Churchill, R. J.	1957	Nova Scotia Technical College	A
Clark, J. C.	1953	Saskatchewan	B
Cliffe, J. B.	1952	Manitoba	B
Collin, R. E.	1951	Saskatchewan	A
Collins, M. M. C.	1957	Alberta	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Corbett, F. M.	1954	McGill	B
Cornell, E. R.	1955	Queen's	A
Cossette, J. P.	1954	Ecole Polytechnique	A
Crawford, G. A.	1956	Toronto	A
Cross, D. H. E.	1952	Toronto	A
Crowe, C. M.	1953	McGill	A
Davies, N. G.	1954	British Columbia	A
Dawson, D. G.	1954	Alberta	A
Dean, J. R.	1955	New Brunswick	A
DeCoursey, W. J.	1951	Alberta	A
DeLory, F. A.	1953	Toronto	B
Dessureault, J. M.	1954	Laval	A
Dietiker, W.	1955	British Columbia	A
Dodd, W. B.	1952	Toronto	B
Dooley, J. E.	1953	Toronto	B
Dowling, P. J.	1954	Toronto	B
Drummond, A. M.	1957	British Columbia	A
Dutton, V. L.	1951	Manitoba	B
Ellis, J. S.	1954	Queen's	B
Erb, R. B.	1952	Alberta	A
Erlebach, W. E.	1952	British Columbia	A
Fancott, R.	1957	McGill	A
Favron, J.	1953	Ecole Polytechnique	B
Fee, E. W.	1953	Toronto	A
Feir, J. E.	1952	Alberta	B
Firstbrook, W. A.	1951	Toronto	B
Fortier, P.	1957	Ecole Polytechnique	A
Foulds, J. G.	1957	Toronto	A
Franklin, D. H.	1952	Nova Scotia Technical College	A
Fraser, D. J.	1952	Saskatchewan	A
Fraser, R. M.	1955	British Columbia	B
French, J. B.	1955	Toronto	A
Fullford, P. J.	1957	Manitoba	A
Funke, E. R. R.	1956	Queen's	A
Fytche, E. L.	1951	New Brunswick	B
Gagne, R. E.	1956	Manitoba	B
Gartshore, I. S.	1957	British Columbia	A
Gendron, M.	1954	Laval	A
Gillespie, J. C.	1956	Manitoba	A
Godfrey, J. W. A.	1954	Manitoba	A
Grant, E. J.	1954	New Brunswick	A
Guthrie, D. A.	1955	British Columbia	A
Hale, R. C.	1956	New Brunswick	A
Halton, H. N.	1955	British Columbia	B
Ham, R. K.	1955	Toronto	A
Hanson, J. V.	1955	Toronto	A
Harris, S. G.	1955	Toronto	B
Harris, T. M.	1957	British Columbia	B
Harrison, M. A.	1956	Toronto	B
Harvey, P.	1956	British Columbia	A
Hayes, W. F.	1955	McGill	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Heffernan, F. J. P.	1957	McGill	A
Henderson, J. E.	1956	Queen's	B
Hill, P. G.	1953	Queen's	A
Hinse, R.	1951	Laval	A
Houle, M.	1956	Ecole Polytechnique	A
Howard, J. H. G.	1956	Queen's	A
Howard, S. G.	1956	Alberta	A
Johnson, D. W.	1957	Saskatchewan	A
Jonas, J. J.	1954	McGill	A
Jones, B. G.	1954	Saskatchewan	A
Jull, E. V.	1957	Queen's	B
Jull, G. W.	1951	Alberta	A
Jurkus, A. P.	1957	Ecole Polytechnique	A
Kenney, T. C.	1953	McGill	A
Kerr, J. A.	1952	Manitoba	A
King, G. F.	1957	Toronto	A
Klingbell, W. W.	1954	Alberta	A
Koski, J. T.	1951	Toronto	B
Kristmanson, D. D.	1956	British Columbia	B
Labonte, R.	1955	Ecole Polytechnique	A
Laframboise, J. E. L.	1956	Ecole Polytechnique	B
Lamarre, B.	1952	Ecole Polytechnique	A
Lane, A. D.	1956	Nova Scotia Technical College	A
Langeman, P.	1955	Saskatchewan	A
Langlois, A. P.	1956	Laval	A
Larkin, B. S.	1957	University College, London	B
LaRochelle, P.	1956	Laval	B
Laubitz, M. J.	1953	Toronto	A
Laurie, G. H.	1957	British Columbia	A
Leaist, G. T.	1951	Toronto	A
Lefcort, M. D.	1956	McGill	A
Leigh, D. C.	1951	Toronto	A
Lemyre, C.	1957	Laval	A
Link, W. T.	1951	Saskatchewan	A
Lowe, D. C.	1955	Toronto	B
Lund, J. A. H.	1951	British Columbia	A
MacDonald, D. H.	1951	Toronto	B
MacDonald, I. J.	1954	Queen's	A
MacMillan, F. A.	1952	Queen's	B
Malet de Carteret, R.	1957	Provincial Institute of Technology and Art, Calgary	B
Marleau, J. E.	1954	Ecole Polytechnique	A
Marquis, A. H.	1955	Laval	A
Marsden, D. J.	1955	Alberta	A
Matthews, J. N.	1951	Toronto	A
McCrae, A. M.	1957	British Columbia	B
McCully, G. R.	1951	New Brunswick	A
McDougald, R. A.	1954	Manitoba	A
McIntyre, E. H.	1953	McGill	A
McLean, D. J.	1957	Toronto	B
McLellan, P. W.	1955	Queen's	A
McNish, J. A.	1954	British Columbia	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Merritt, J. M.	1953	Nova Scotia Technical College	A
Mickleborough, B. W.	1956	Saskatchewan	A
Midgley, P. A. S.	1957	Queen's	A
Minty, D. H.	1951	Manitoba	A
Missen, R. W.	1953	Queen's	B
Mitchell, J.	1952	Queen's	A
Moffatt, A. J.	1951	Manitoba	A
Moffatt, T. L.	1951	Toronto	A
Molozzi, A. R.	1953	Toronto	A
Montagnon, N. B.	1951	McGill	B
Montambeault, G. A.	1952	Laval	A
Morgenstern, N.	1956	Toronto	A
Murphy, C. L.	1953	Manitoba	A
Murray, D. W.	1952	Alberta	A
Mutter, R. J.	1957	Alberta	A
Naylor, H. F.	1951	British Columbia	A
Neill, M. T.	1953	Toronto	A
Nettleton, T. R.	1956	Toronto	B
Newey, R. A.	1953	Manitoba	A
Nikiforuk, P. N.	1952	Queen's	A
Nuttall, J. B.	1951	British Columbia	A
Oates, G. C.	1954	British Columbia	A
Olson, A. T.	1953	Queen's	A
Onysko, D. M.	1957	Manitoba	A
Ower, W. N.	1956	New Brunswick	A
Pare, J. J.	1955	Laval	A
Parker, H. E.	1952	McGill	A
Parkinson, F. E.	1956	Alberta	A
Peaker, K.	1955	Manitoba	A
Pearson, E. L.	1954	Manitoba	B
Perks, W. T.	1956	McGill	A
Pettigrew, H. C.	1954	Toronto	B
Piercy, G. R.	1952	British Columbia	A
Pike, J. G.	1954	Queen's	A
Pinder, K. L.	1952	McGill	A
Platt, W. A.	1957	Alberta	B
Poupard, M.	1954	Ecole Polytechnique	B
Premont, L.	1952	Laval	A
Price, P.	1955	National Aero. Estab., Ottawa	B
Prior, B. W.	1951	Toronto	A
Rayner, W. M.	1952	Toronto	A
Reynolds, A. J.	1957	Toronto	A
Rhodes, R. T.	1954	Toronto	A
Roberge, J. P. A.	1953	Laval	A
Ross, G. M.	1955	McGill	A
Rousseau, J.	1952	Ecole Polytechnique	A
Rousseau, L. Z.	1954	Laval	A
Rousseau, Y. L.	1952	Ecole Polytechnique	A
Roy, A. H.	1954	Nova Scotia Technical College	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Seychuk, J. L.	1954	Manitoba	A
Shaw, D. S.	1954	Toronto	A
Shephard, R. S.	1953	New Brunswick	A
Shields, D. H.	1955	Saskatchewan	A
Shier, R. M.	1953	British Columbia	A
Shohet, M.	1957	McGill	A
Shook, C. A.	1956	Alberta	A
Simmonds, S. H.	1956	Alberta	B
Sims, G. E.	1955	Manitoba	A
Simpson, R. W.	1955	Toronto	A
Sincennes, J. J. A.	1957	Ecole Polytechnique	A
Sinclair, G. R.	1951	Queen's	A
Skoczylas, H.	1956	Queen's	A
Slingerland, F. W.	1951	Queen's	A
Smith, J. W.	1957	British Columbia	B
Smith, K. L.	1956	British Columbia	A
Soderman, L. G.	1955	Manitoba	B
Sodonsky, K. F.	1956	Manitoba	A
Somerville, G. F.	1957	British Columbia	A
Squire, J. M.	1951	McGill	A
Stephenson, D. G.	1951	Toronto	B
St. Pierre, J. A. G.	1957	Laval	A
Sutcliffe, F. H.	1955	McGill	B
Sutherland, J. P.	1956	British Columbia	A
Swanson, S. R.	1956	Toronto	B
Swift, G. W.	1953	Alberta	A
Tardif, H. P.	1951	Laval	B
Thivierge, P.	1956	Ecole Polytechnique	A
Thompson, K. M.	1953	Saskatchewan	A
Townsend, D. L.	1953	McGill	B
Tulsku, H. E.	1955	Queen's	A
Turner, L. R.	1954	Queen's	B
Ukrainetz, P. R.	1957	Saskatchewan	A
Vachal, J. D.	1953	Nova Scotia Technical College	A
Vandalen, K.	1957	Queen's	A
Vilagos, J. P.	1955	McGill	B
Villeneuve, J. E.	1956	Laval	A
Wallace, R. R.	1956	Toronto	A
Waller, D. H.	1952	Nova Scotia Technical College	A
Ward, G. V.	1954	British Columbia	A
Waterfield, J. W.	1957	Alberta	A
Waugh, P. J.	1951	Manitoba	A
Webb, P. P.	1955	McGill	A
Weld, G. B.	1955	Nova Scotia Technical College	A
Wilenius, G. P. T.	1956	Toronto	A
Williams, A. J.	1951	Queen's	A
Williams, G. S.	1952	McGill	A
Williamson, D. F.	1956	British Columbia	B
Williamson, K. H.	1951	Manitoba	B
Wilson, R. G.	1951	McGill	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Wonham, W. M.	1956	McGill	A
Wood, J. K.	1953	Toronto	B
Wright, A. E.	1955	British Columbia	A
Wright, G. D. T.	1952	Toronto	A
Wright, P. M.	1954	Saskatchewan	A
Young, D. D.	1953	Manitoba	A
Zames, G.	1954	McGill	A

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF ALBERTA				
1951 Group				
DECOURSEY, W. J.	Chemical	Chemical engineering - Imperial College of Science and Technology (2 years)	Rimby, Alberta.	Chemical Metallurgical, Dominion Sherritt - Gardon Mines Ltd., Fort Saskatchewan, Alberta.
JULL, G. W.	Engineering Physics	Electronics - Imperial College of Science and Technology (2 years)	83, Alice Street, Eastview, Ontario.	Defence Scientist - Communications, Defence Research Board.
1952 Group				
BACH, G. G.	Engineering Physics	Nuclear physics - University of Birmingham (2 years)	Peace River, Alberta.	
ERB, R. B.	Civil	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	2901, Carleton Street, Calgary, Alberta.	
FEIR, J. E.	Civil	Hydro-power and river flow - Imperial College of Science and Technology (2 years)	C/o Judge E. B. Feir, 534 - 17th Street South, Lethbridge, Alberta.	
MURRAY, D. W.	Civil	Hydromechanics - Imperial College of Science and Technology (2 years)	10958 - 81 Avenue, Edmonton, Alberta.	
1953 Group				
ALLEN, L. D.	Civil	Aerodynamics - College of Aeronautics, Cranfield. (2 years)	R. R. # 1, Penhold, Alberta.	
SWIFT, G. W.	Electrical	Electrical Engineering - Metropolitan-Vickers Electrical Co., Ltd. Manchester (2 years)	10106, 87th Ave., Edmonton, Alberta.	
1954 Group				
DAWSON, D. G.	Electrical	Power side of electrical engineering - British Thomson-Houston Co., Ltd., Rugby and Willemsden. (2 years)	Apt. 202, 1, Heatherdale Road, Toronto 14, Ontario.	Commercial Engineer, The British Thomson Houston Co. (Canada) Ltd.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF ALBERTA - continued				
KLINGBEIL, W. W.	Civil	Theory and Design of Aircraft Structures - College of Aeronautics, Cranfield. (2 years)	9834 - 79 Ave., Edmonton, Alberta.	
1955 Group				
MARSDEN, D. J.	Engineering Physics	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	Wainwright, Alberta.	Still in U.K. - present address - 19, Chapel Terrace, Stafford.
1956 Group				
HOWARD, S. G.	Electrical	Electrical Engineering - English Electric Co. Ltd. (2 years)	1450, Westmount Blvd., Calgary, Alberta.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
PARKINSON, F. E.	Civil	Hydraulics - D.S.I.R. Hydraulics Research Station (1 year) Imperial College of Science and Technology. (1 year)	10711 - 74 Avenue, Edmonton, Alberta.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1
SHOOK, C. A.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	14314 - 102 Ave., Edmonton, Alberta.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1
SIMMONDS, S. H.	Civil	Research in Concrete Technology - Cambridge University. (17 months)	Suite 10, 9650 - 82 Ave., Edmonton, Alberta.	Assistant Professor of Applied Mechanics, University of Alberta.
1957 Group				
ATKINS, W. R.	Electrical	Light Electrical Engineering - Imperial College of Science and Technology. (1 year) 2nd year to be arranged, probably with the English Electric Co. Ltd.	7825 - 115 Street, Edmonton, Alberta.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
COLLINS, M. M. C.	Electrical	Light Electrical Engineering - British Thomson Houston Co. Ltd., Rugby. (2 years)	11124 - 84 Avenue, Edmonton, Alberta.	Still in U.K. - present address - Coton House, Churchover, Rugby, Warwick.
MUTTER, R. J.	Mining	Environmental Engineering - Royal College of Science and Technology, Glasgow. (1 year) 2nd year to be arranged.	11020 - 84 Avenue, Edmonton, Alberta.	Still in U.K. - present address - 21, Verona Ave., Scotstoun, Glasgow.
PLATT, W. A.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	11002 - 83 Avenue, Edmonton, Alberta.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.

WATERFIELD, J. W.	Electrical	Light Electrical Engineering - Manchester University. (1 year) 2nd year to be arranged.	Islay, Alberta.	Still in U.K. - present address - 355, Wilbraham Road, Whalley Range, Manchester, 16.
UNIVERSITY OF BRITISH COLUMBIA				
1951 Group				
LUND, J. A. H.	Metallurgy	Industrial metallurgy - University of Birmingham. (2 years)	8620 Hudson Street, Vancouver, B.C.	Department of Mines, Ottawa, Ontario.
NAYLOR, H. F. W.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield (2 years)	369, Prince Edward Drive, Toronto 18, Ontario.	A. V. Roe, Company, Malton, Ontario. (Aeronautical).
NUTTALL, J. B.	Mechanical	Hydraulics - University of Aberdeen. (1 year) Imperial College of Science and Technology. (1 year)	2456, W. 7th Avenue, Vancouver, B.C.	Working with the St. Lawrence Seaway, Montreal.
1952 Group				
BROCKLEY, C. A.	Mechanical	Machine design and strength of materials - University of Sheffield. (2 years)	3, William Hunt Avenue, Halifax, Nova Scotia.	Planning to work at Atomic Energy Plant, Chalk River, Ontario.
ERLEBACH, W. E.	Chemical	Nuclear Chemistry - University of Cambridge. (2 years)	46, Wolfe Ave., Deep River, Ontario.	Atomic Energy of Canada Limited (research on metals).
PIERCY, G. R.	Engineering Physics and Metallurgy	Physical metallurgy - University of Birmingham. (2 years)	1, Frontenac St., Deep River, Ontario.	
1953 Group				
ARNOLD, J. R.	Mechanical	Mechanical engineering - The Brush Group, Ltd., Staines, Stockport, Ashton-under-Lyne and Loughborough. (2 years)	Apt. 10, 404, Elgin Street, Ottawa, Ontario.	
BELROSE, S.	Electrical	Radio Physics - Cambridge University. (2 years)	1186, Dover Crescent, Ottawa, Ontario.	
SHIER, R. M.	Engineering Physics	Electrical Engineering - British Thomson Houston Co. Ltd. (2 years)	4620, Langara Ave., Vancouver, British Columbia.	
1954 Group				
DAVIES, N. G.	Engineering Physics	Electronics and Servo-mechanisms - Evershed & Vignoles Ltd. and Metropolitan Vickers Electrical Co. Ltd. (1 year) Imperial College of Science and Technology. (1 year)	Box 276, Hammond, B.C.	Still in U.K. - present address - 16, Wellmeadow Road, London, W.7.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF BRITISH COLUMBIA - continued				
1954 Group - continued				
McNISH, J. A.	Electrical	Electronics and Allied Equipment Business Administration - British Thomson Houston Co. Ltd. (1 year) London School of Economics. (1 year)	4946, Elgin Street, Vancouver, British Columbia.	
OATES, G. C.	Mechanical	Mixed Industrial experience. Gas Turbine and Internal Combustion Engines - Rolls Royce Ltd., Derby. (1 year) Birmingham University. (1 year)	5780, Yew Street, Vancouver, British Columbia.	
WARD, G. V.	Electrical	Electronics and Servo-mechanisms - Metropolitan Vickers Electrical Co. Ltd. (2 years, including 7 months at Imperial College of Science and Technology).	Apartment 301, 157, Hewson South, Hamilton, Ontario.	Programming analyst, application of business and engineering problems to electronic computers - Canadian Westinghouse Co. Ltd.
1955 Group				
AFFLECK, R. R.	Chemical	Chemical engineering as applied to pulp and paper industry - Wiggins, Teape & Co. Ltd., Aberdeen. (1 year) Business Administration London School of Economics. (1 year)	General Delivery, Powell River, British Columbia.	
DIETIKER, W.	Electrical	Servo-mechanisms and Automatic control - Manchester University. (2 years)	719 - 3rd Avenue West, Calgary, Alberta.	Still in U.K. - present address - 28, Elms Road, Heaton Moor, Stockport, Cheshire.
FRASER, R. M.	Electrical	Power Generation and distribution plant - C. A. Parsons & Co. Ltd., Reyrolles Ltd. and the Central Electricity Authority. (2 years)	6037, Churchmill St., Vancouver, British Columbia.	
GUTHRIE, D. A.	Chemical	Instrument control - I.C.I. Wilton.	Suite 3, 1240 Chesterfield Road, N. Vancouver, British Columbia.	Hooker Chemical Limited, Vancouver.
HALTON, H. N.	Mechanical	Engineering Production - Birmingham University (1 year) Vauxhall Motors Ltd. (1 year)	163, Broadway Ave., Shawinigan Falls, Quebec.	

WRIGHT, A. E.	Civil	Concrete Technology - Imperial College of Science and Technology (1 year) Messrs. John Laing & Son Ltd. (1 year)	337, East 55th Ave., Vancouver 15, British Columbia.	Still in U.K. - present address - London House, Guilford Street, W.C.1.
1956 Group				
HARVEY, P.	Electrical	Computer control and nuclear reactor control - Messrs. Ferranti Ltd. (1 year) Business Administration - London School of Economics. (1 year)	Box 188, Prince Rupert, British Columbia.	
KRISTMANSON, D. D.	Chemical	Chemical Engineering - Imperial College of Science and Technology (2 years)	Gen. Del. Chapman Camp, Morrison Sub-Division, Kemberley, British Columbia.	Still in U.K. - present address - 70, Castelnau, Barnes, S.W.13.
SMITH, K. L.	Mechanical	Nuclear Power - Metropolitan - Vickers Electrical Co. Ltd., Manchester, and Reactor School, Harwell. (1 year) Imperial College of Science and Technology. (1 year)	353, Linden Avenue, Victoria, British Columbia.	Still in U.K. - present address - 4, Hillcroft Crescent, Ealing, W.5.
SUTHERLAND, J. P.	Chemical	Chemical Engineering - Imperial College of Science and Technology (2 years)	Box 74, Rossland, British Columbia.	Still in U.K. - present address - 2, Bedford Place, London, W.C.1.
WILLIAMSON, D. F.	Chemical	Business Administration - London School of Economics. (1 year) Shell Refining and Marketing Co. Ltd. (1 year)	325, Racine Street, Arvida, Quebec.	Still in U.K. - present address - 1, Northway, Curzon Park, Chester, Cheshire.
1957 Group				
DRUMMOND, A. M.	Mechanical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	4822, Chancellor Blvd. Vancouver 8, British Columbia.	Still in U.K. - present address - College of Aeronautics, Cranfield, Bletchley, Bucks.
GARTSHORE, I. S.	Mechanical	Aeronautical Engineering - Imperial College of Science and Technology. (1 year) English Electric Co. Ltd. (1 year)	2094, Quilchena Cres., Vancouver, 13. British Columbia.	Still in U.K. - present address - 68, Lonsdale Road, Barnes, S.W.13.
HARRIS, T. M.	Engineering Physics	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	Hallert Road, Matsqui, British Columbia.	Still in U.K. - present address - Priory Lodge, Newport Pagnell, Bucks.
LAURIE, G. H.	Metallurgy	Metallurgy - Birmingham University. (1 year) 2nd year to be arranged with Metro-Vickers and Nuclear Power Group.	219 - 13 Ave., Cranbrook, British Columbia.	Still in U.K. - present address - 10, Vicarage Road, Edgbaston, Birmingham, 15.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF BRITISH COLUMBIA - continued				
1957 Group - Continued				
MCCRAE, A. M.	Civil	Civil Engineering - Crawley Development Corporation, (1 year) 2nd year to be arranged.	R.R.1, Osoyoos, British Columbia.	Still in U.K. - present address - 3, Sunnymead, West Green, Crawley, Sussex.
SMITH, J. W.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years) 2nd year to be arranged.	c/o T. W. Smith, 716, S. Norah St., Fort William, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
SOMERVILLE, G. F.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	2877, Lawson Ave. West, Vancouver, British Columbia.	Still in U.K. - present address - c/o Monsanto Chemicals Ltd., Ruabon, N. Wales.
ECOLE POLYTECHNIQUE				
1951 Group				
BOIVIN, F.	Mechanical	Electronic Control Mechanisms - Imperial College of Science and Technology. (1 year) Evershed & Vignoles Ltd., London. (8 months) British Thomson-Houston Ltd., Rugby. (4 months)	2241 Cadillac Street, Montreal, 5.	Bell Telephone Co., Montreal.
BOURASSA, P.	Mechanical	Mechanical Engineering - Imperial College of Science and Technology. (1 year) Leyland Motors Ltd., Leyland, Lancs. (1 year)	245, Champlain Street, St. Jean, Quebec.	Dominion Engineering Works Ltd., Lachine, Quebec.
1952 Group				
BESSETTE, H.	Mechanical and electrical	Steam power engineering - Imperial College of Science and Technology (4 months) John Thompson Ltd., Wolverhampton. (12 months) British Electricity Authority, Birmingham. (3 months) E. Green and Son Ltd., Wakefield (1 month) George Kent Ltd., Luton (5 weeks)	6896 - 9th Avenue, Rosemount, Montreal, Quebec.	Dominion Bridge Co., Lachine, Quebec.

LAMARRE, B.	Civil	Concrete Technology - Imperial College of Science and Technology. (2 years)	56, Ave Crestwood, Montreal West.	Structural designer - Lalonde and Valois, Consulting Engineers, 615, Belmont St., Montreal.
ROUSSEAU, J.	Mechanical and electrical	Aircraft propulsion - College of Aeronautics, Cranfield (2 years)	143, Stephens Drive, Apt. 203, Toronto, Ontario.	Orenda Engines Co. Ltd., Malton, Ontario.
ROUSSEAU, Y. L.	Civil	Production engineering - Brush ABOE Group Services, Ltd., Loughborough, Ashton-under-Lyne and Staines. (1 year) University of Birmingham. (1 year)	5561 Basil Patenaude Square, Apt. 203, Toronto, Ontario.	Cecil Carpenter, Contractors, Montreal, Quebec.
1953 Group				
ARSENAULT, R. A. J.	Mechanical and electrical	Marine engineering - Royal Technical College, Glasgow. (1 year) Fairfield Shipbuilding and Engineering Co. Ltd., Glasgow. (1 year)	c/o Hotel St. Charles, 211, DuRois Street, Sorel, P.Q.	Assistant Superintendent of Machine Shop, Marine Industries, Sorel, Quebec.
FAVRON, J.	Mechanical and electrical	Aeronautical engineering - Messrs. de Havilland Co. Ltd., Vickers-Armstrong Ltd., Weybridge. (4 months) (1 year)	10167, Tolhurst Street, Montreal, Quebec.	Aircraft Designer, Canadair Limited, Montreal, Quebec.
1954 Group				
COSSETTE, J. P.	Mechanical and electrical	Production Engineering - Birmingham University ((1 year) The Brush Group Limited, Ashton-under-Lyne and Stockport (10 months) Sheffield University (2 months)	Sixteen Island Lake, Co. Argenteuil, P. Q.	
MARLEAU, J. E.	Mechanical and electrical	Metallurgy of non-ferrous metals and industrial experience in the production and fabrication of aluminium - Birmingham University. (1 year) Northern Aluminium Co., Ltd., Rogerstone. (1 year)	4122, Ave. Northcliffe, Montreal, 28.	
POUPARD, M.	Mechanical	Mechanical Engineering - Brush Group Ltd., Ashton-under-Lyne and Loughborough and University of Sheffield. (1 year)	2303, Joliette Street, Montreal, P.Q.	Ecole Polytechnique, 1430, St. Denis Street, Montreal, Quebec.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
ECOLE POLYTECHNIQUE - continued				
1955 Group				
AMYOT, L.	Mechanical and electrical	Nuclear Power - Metropolitan-Vickers Electrical Co. Ltd., Manchester, and A.E.I. Research Establishment, Aldermaston. (1 year) Birmingham University. (1 year)	708, Melrose St., Verdun, Quebec.	
LABONTE, R.	Civil	Public Health engineering and Concrete Technology, Imperial College of Science and Technology, (19 months) Messrs. Sandford, Fawcett and Partners. (4 months)	St. Pierre-Baptiste, Co. Megantic, P.Q.	
1956 Group				
HOULE, M.	Electrical	Micro-wave, mobile equipment, radar, etc. - Marconi's Wireless Telegraph Co. Ltd. (1 year) Production Engineering - Birmingham University. (1 year)	10890, Pelouquin, Montreal, P.Q.	Still in U.K. - present address - 24, Sherbourne Road, Acocks Green, Birmingham 27.
LAFRAMBOISE, J. E. L.	Electro-mechanical	Aeronautics - Imperial College of Science and Technology. (2 years)	1570, Lecorbusier, Ste-Foy, R.R.1., Quebec.	Still in U.K. - present address - 70, Castelnau, Barnes, London, S.W.13.
THIVIERGE, P.	Mechanical	Steam Turbines - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Birmingham University. (1 year)	8140, Lajeunesse Street, Montreal, P.Q.	Still in U.K. - present address - 28, Steel Road, Northfield, Birmingham 31.
1957 Group				
FORTIER, P.	Electrical and mechanical	Nuclear Power - Imperial College of Science and Technology. (1 year) 2nd year to be arranged with Nuclear Power Group.	8775, Berri, Montreal, P. Quebec.	Still in U.K. - present address - 51, Bradley Gardens, London, W.13.
JURKUS, A. P.	Electrical and mechanical	Light Electrical Engineering - University of Sheffield. (2 years)	1451, Crawford Bridge Ave., Verdun, P. Quebec.	Still in U.K. - present address - "St. Ann's," Parkhead Eccleshall Rd. Sth., Sheffield 11.
SINCENNES, J. J. A.	Civil	Reinforced and prestressed concrete - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	4635, d'Orleans St., Montreal, P. Quebec.	Still in U.K. - present address - 57, Eyot Gardens, St. Peter's Square, London, W.6.

LAVAL UNIVERSITY

1951 Group				
BRISSON, J. R.	Chemical	Chemical engineering - University College, London. (3 months) Imperial Chemical Industries, Ltd., Billingham. (1 year, 2 months)	980, rue Raymond Casgrain, Apt. 5, Quebec.	Canadian Arsenals Ltd., Palace Hill, Quebec.
HINSE, R.	Mining	Metalliferous Mining and Metallurgy of Iron and Steel - Stewarts and Lloyds Ltd., Corby. (1 year) Royal Technical College, Glasgow. (9 months)	724, Flynn Street, Quebec City, P. Quebec.	Campbell Chibougaman Mines Ltd. Chibougaman, Quebec.
TARDIF, H. P.	Metallurgy	Industrial Metallurgy - University of Birmingham. (2 years)	845, Marguerite-Bourgeois Ave., Quebec 6, P.Q.	C.A.R.D.E., Valcartier, Quebec.
1952 Group				
MONTAMBEAULT, G. A.	Mining	Mining engineering - Stewarts and Lloyds Ltd., Corby. (8 months) Holman Bros., Camborne. (6 weeks) Camborne School of Metalliferous Mining. (8 months)	2, Tamarac, #4, Shawinigan Falls, Quebec.	Canadian Industries Limited, Shawinigan Falls, Quebec.
PREMONT, L.	Chemical	Chemical engineering - University of Cambridge. (9 months) J. and E. Hall Ltd., Dartford. (6 weeks) Monsanto Chemicals Ltd., Ruabon, Wrexham. (1 year)	St. Jean, Ile d'Orleans, Quebec.	C.A.R.D.E., Valcartier, Quebec.
1953 Group				
BEDARD, M. R.	Civil	Heating and ventilating engineering - National College for Heating, Ventilating, Refrigeration and Fan Engineering, London. (2 years)	604, Rue St. Jean, Room 205, Quebec 4, P.Q.	Messrs. Paquet and Bedard, Consulting Engineers, 604, Rue St. Jean, Quebec 4, P.Q.
CHOLLET, J.	Chemical	Chemical engineering - Power Gas Corporation Ltd. (1 year) Imperial Chemical Industries Ltd., Billingham, Co. Durham. (1 year)	88, rue des Lilas, Est., Apt. 5, Quebec, P.Q.	Anglo-Canadian Pulp and Paper Mills Ltd., 10, Boulevard des Capucins, Quebec.
ROBERGE, J. P. A.	Civil	Concrete Technology - Richard Costain Ltd., (1 year) Imperial College of Science and Technology. (1 year)	885, Avenue Begin, Quebec, P.Q.	Structural Designer, Dufresne - Manguy, Consulting Engineers.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
LAVAL UNIVERSITY - continued				
1954 Group				
DESSUREAULT, J. M.	Industrial Metallurgy	Metallurgy of Ferrous Metals - Birmingham University. (2 years)	701, 5th Avenue, Grand' Mere, P. Quebec.	
GENDRON, M.	Civil	Steel and Concrete Structures - Imperial College of Science and Technology. (1 year)	99, De Calliers Street, Quebec City, P.Q.	
ROUSSEAU, L. Z.	Forest	Forestry Research - Oxford University. (2 years)	271, Laurier Ave., Quebec.	Has not yet returned to Canada - present address - 82, Avenue Foch, Nancy, (M & M), France.
1955 Group				
MARQUIS, A. H.	Metallurgy	Metallurgy - Birmingham University (1 year)	1302, Premiere Avenue, Quebec, P.Q.	
PARE, J. J.	Civil	Concrete technology and Soil Mechanics - Imperial College of Science and Technology. (2 years)	27, De Gaspe Street, Quebec.	
1956 Group				
LANGLOIS, A. P.	Civil	Business Administration - London School of Economics. (1 year) Imperial College of Science and Technology. (1 year)	660, Ave. Eymard, Katevale, P.Q.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
LaROCHELLE, P.	Civil	Soil Mechanics - Imperial College of Science and Technology. (2 years)	584, St. John Street, Quebec, P.Q.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
VILLENEUVE, J. E.	Civil	Concrete Technology - Imperial College of Science and Technology. (1 year) Holland, and Hannen and Cubitt (1 year)	7, Monument Ave., Quebec, 5. P.Q.	Still in U.K. - present address - 12, Cleveland Road, Ealing, W.13.
1957 Group				
LEMYRE, C.	Electrical	Servomechanisms - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	2584, Papineau, Shawinigan Falls, Quebec.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
ST. PIERRE, J. A. G.	Civil	Reinforced and prestressed concrete Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	19, Lavigne St., P. Quebec.	Still in U.K. - present address - 70, Castelnau, Barnes, S.W.13.

UNIVERSITY OF MANITOBA

1951 Group				
DUTTON, V. L.	Civil	Hydraulics and Structural Engineering - James Williamson & Partners, Glasgow. (1 year) University of Cambridge. (1 year)	Apartment 2, Genest Street, Ottawa, Ontario.	MacDonald Bros. Aircraft Ltd., Stevenson Airport, Winnipeg, Manitoba.
MINTY, D. H.	Mechanical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	Box 33, Onanole, Manitoba.	Adalis Limited, 1410 Stanley Street, Montreal 2, Quebec.
MOFFAT, A. J.	Electrical	Design, Testing, Manufacture and Installation of Electrical Equipment - British Thomson-Houston Co. Ltd., Rugby and Rugby Technical College. (2 years)	196, Leighton Avenue, East Kildonan, Manitoba.	Canadian Westinghouse Ltd., Hamilton, Ontario.
WAUGH, P. J.	Mechanical	Aircraft Engineering - English Electric Co. Ltd. (2 years)	137, Girtton Boulevard, Tuxedo, Manitoba.	Engineering Department, De Havilland Aircraft Co. of Canada, Toronto.
WILLIAMSON, K. H.	Electrical	Telephone Engineering - Siemens Bros. & Co. Ltd., Woolwich. (2 years)	70, Vivian Avenue, Winnipeg 8.	Manitoba Telephone System (on loan to Bell Telephone Co. of Canada, in Montreal).
1952 Group				
BECK, H. R.	Electrical	Light electrical engineering. Railway Signalling Practice. Manufacture of Signalling Equipment - Imperial College of Science and Technology. (10 months) Westinghouse Brake and Signal Co. London. (1 month) Metropolitan-Vickers - G.R.S. Ltd., London. (1 month) Siemens and General Electric Railway Signal Co. Ltd., Wembley. (3 months) British Railways. (9 months)	475, Ingersoll Street, Winnipeg, Manitoba.	Signal Department, Room 429, C. N. R. Union Station, Toronto, Ontario.
CHERRY, S.	Civil	Structural Research - University of Bristol. (2 years)	c/o Civil Engineering Dept., University of British Columbia, Vancouver 8, B.C.	Assistant Professor, Civil Engineering Dept., University of British Columbia, Vancouver 8, B.C.
CLIFFE, J. B.	Electrical	Gas Turbine technology - Imperial College of Science and Technology. (1 year) National Gas Turbine Establishment, Farnborough. (1 year)	226, Kensington Street, Winnipeg, Manitoba.	Assistant Professor of Civil Engineering, Civil Engineering Department, University of Manitoba, Winnipeg 9, Manitoba.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF MANITOBA - continued				
1952 Group - continued				
KERR, J. A.	Civil	Hydraulic engineering - Imperial College of Science and Technology. (16 months) Sir William Halcrow & Partners, London. (8 months)	9738, 111 St., Edmonton, Alberta.	Civil, Hydraulic and Sanitary Engineer, Stanley, Grimble and Roblin, Consulting Engineers.
1953 Group				
AKER, D. L.	Electrical	Automatic controls - A. Reyrolle & Co. Ltd., Hebburn. (1 year) Evershed and Vignoles Ltd., Chiswick. (6 months) English Electric Co. Ltd. (6 months)	182, Burma St., Arvida, Quebec.	Electrical Engineer, Electrical Dept., Engineering and Estimating Section, Aluminum Co. of Canada.
MURPHY, C. L.	Mechanical	General engineering and Gas Turbine Technology - Electrical Metropolitan-Vickers Co. Ltd., Manchester. (1 year) Imperial College of Science and Technology. (1 year)	226, Waterloo Street, Winnipeg, Manitoba.	
NEWHEY, R. A.	Mechanical	Steam Turbines - C. A. Parsons & Co. Ltd., Newcastle upon Tyne. (2 years)	525, Manchester Boulevard, Fort Garry, Winnipeg 9, Manitoba.	Dominion Engineering Works Ltd., (Hydraulic Division) Lachine, Montreal 32.
YOUNG, D. D.	Mechanical	Automobile Design and Production - Rootes Group (Humber Ltd., Coventry). (2 years)	Box 27, Brownsburg, P.Q.	Project Engineer (Design and development of high explosives manufacturing machines). Explosives Division, Canadian Industries Limited.
1954 Group				
GODFREY, J. W. A.	Electrical	Electronics - British Thomson Houston Co. Ltd., Rugby. (2 years)	554, Elm Street, Winnipeg 9, Manitoba.	Canadian General Electric Co. Ltd., Apparatus Division, Manufacturing Engineering Dept., Peterborough, Ontario.
MCDUGALD, R. A.	Mechanical	Steam Turbine Industry - C. A. Parsons & Co. Ltd. (1 year) Engineering Production - Birmingham University. (1 year)	578, Fagan Ave., Peterborough, Ontario.	
PEARSON, E. L.	Mechanical	General Mechanical Engineering - Messrs. Fraser and Chalmers Ltd., Erith. (2 years)	653, Valour Road, Winnipeg, Manitoba.	

SEYCHUK, J. L.	Civil	Soil Mechanics - Imperial College of Science and Technology. George Wimpey & Co. Ltd., Southall. (1 year)	R. R. #1, Sifton, Manitoba.	
1955 Group				
BJORNSSON, A. B.	Civil	Soil Mechanics and Steel Design - Imperial College of Science and Technology. Structural Analysis. (1 year) Cleveland Bridge & Engineering Co. Ltd. (1 year)	853, Sherburn Street, Winnipeg 10, Manitoba.	
PEAKER, K.	Civil	Highway Engineering and Soil Mechanics - Imperial College of Science and Technology. (1 year) Sir Robert McAlpine & Sons Ltd. Richard Costain Ltd., (4 months) London. (6 months)	Box 211, Riverton, Manitoba.	
SIMS, G. C.	Mechanical	Nuclear Power - A.E.I. John Thompson Industrial and Nuclear Energy Group, Sale. Kennedy and Donkin Ltd., Edinburgh. (4 months)	906, Strathcone Street, Winnipeg, Manitoba.	Still in U.K. - present address - 51, Chestnut Road, Moseley, Birmingham 13.
SODERMAN, L. G.	Civil	Soil Mechanics - Imperial College of Science and Technology. George Wimpey & Co. Ltd., Southall. (3 months)	Minaki, Ontario.	
1956 Group				
GAGNE, R. E.	Engineering Physics	Computers and Servo-mechanisms - Imperial College of Science and Technology. (2 years)	11, O'Meara Street, Winnipeg, Manitoba.	Still in U.K. - present address - 14, Harold Road, London, S.E.19.
GILLESPIE, J. C.	Electrical Engineering (Communications)	H. F. and V.H.F. Communications, Research-University College, London. (1 year) General Electric Co. Ltd. (1 year)	696, Academy Road, Winnipeg 9, Manitoba.	Still in U.K. - present address - Coombe Abbey, Binley, Warwicks.
SODOMSKY, K. F.	Engineering Physics	Electrical Communications - Imperial College of Science and Technology. (2 years)	176, McAdam Avenue, Winnipeg 4, Manitoba.	Still in U.K. - present address - 14, Dorchester Court, Herne Hill, S.E.24.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF MANITOBA - continued				
1957 Group				
FULFORD, P. J.	Mechanical	Nuclear Power - University of Birmingham. (1 year), 2nd year to be arranged.	118, Noble Ave., Winnipeg 5, Manitoba.	Still in U.K. - present address - 10, Vicarage Road, Edgbaston, Birmingham 15.
ONYSKO, D. M.	Civil	Prestressed Concrete - Imperial College of Science and Technology. (1 year), 2nd year to be arranged.	Riverton, Manitoba.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
McGILL UNIVERSITY				
1951 Group				
BACHOVZEFF, C.	Mechanical	Mechanical Engineering - Metrology and Administration - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) College of Technology, Manchester. (1 year)	9097, La Salle Boulevard, Ville La Salle, Montreal, P.Q.	Technical Department, Aluminum Co. of Canada, Arvida, Quebec.
CHAMBERLAIN, R. E.	Civil	Structural analysis - University of Birmingham and Vickers-Armstrongs, Ltd., Weybridge. (2 years)	4339, King Edward Avenue, Montreal 28, P.Q.	Dominion Bridge Co., P.O. Box 280, Montreal, Quebec.
MONTAGNON, N. B.	Electrical	Electronic Circuitry - British Thomson Houston Co., Ltd., Rugby. (2 years)	27, McGonigal Street, Arnprior, Ontario.	C/o Measurement Engineering, Ltd., Arnprior, Ontario.
SQUIRE, S. M.	Mechanical	Engineering Practice and Thermodynamics - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) University of Birmingham. (1 year)	22, Winchester Avenue, Westmount, Montreal 6, Quebec.	Canadian General Electric, Major Appliance Dept., 5781, Notre Dame Street, East, Montreal 5, Quebec.
WILSON, R. G.	Mechanical	Aeronautics - College of Aeronautics, Cranfield. (2 years)	29, Queen's Road, Valois, Montreal 33, P.Q.	Canadair Ltd., Montreal, Quebec.
1952 Group				
PARKER, H. E.	Mechanical	Aircraft Design and Propulsion - College of Aeronautics, Cranfield. (2 years)	4166, Kingston Avenue, Montreal.	

PINDER, K. L.	Chemical	Chemical engineering - University of Birmingham. (2 years)	Apt. H. Spruce Cliff Apartments, 27, Hemlock Crescent, Calgary, Alberta.	Pulp and Paper Research Institute of Canada, 3420, University Street, Montreal, P. Quebec.
WILLIAMS, G. S.	Mechanical	Gas Turbine Industry and Engineering Production and Management - Messrs. Rolls Royce Limited, Derby. (1 year) University of Birmingham. (1 year)	605, Abercorn Avenue, Town of Mount Royal, Montreal 16, Quebec.	Northern Electric Co. Ltd., 1261, Shearer Street, Montreal, Quebec.
1953 Group				
CROWE, C. M.	Chemical	Physical Chemistry - Cambridge University. (2 years)	156, Ballantyne Ave. South, Montreal West, P.Q.	
KENNEY, T. C.	Civil	Soil mechanics and foundations - Imperial College of Science and Technology. (2 years)	591, Desauldiers Boulevard, St. Lambert, Quebec.	
McINTYRE, E. H.	Metallurgical	Industrial metallurgy - Birmingham University. (1 year) United Steel Companies Ltd. (attached to Steel, Peck and Tozer Works). (1 year)	Laboratory Supervisor, Sorel Industries Ltd., Sorel, Quebec.	Sorel Industries Ltd., Sorel, Quebec.
TOWNSEND, D. L.	Civil	Soil Mechanics, Foundation Engineering - Imperial College of Science and Technology. (1 year) John Mowlem & Co. Ltd., and Soil Mechanics Ltd. (1 year)	Civil Engineering Dept., Queen's University, Kingston, Ontario.	Assistant Professor, Civil Engineering Dept., Queen's University, Kingston, Ontario.
1954 Group				
BRABANT, C. E.	Engineering Physics and Electrical	Electronics and Servo-mechanisms - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Manchester University. (1 year)	319, Fisher Building, Detroit 2, Mich., U.S.A.	Sales Technical Specialist, Electronic Digital Computers, Electro Data Division of Burroughs Corporation.
CORBETT, F. M.	Electrical	Electrical Engineering (Switch gear and rectifiers) - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) The British Thomson Houston Co. Ltd., Rugby. (5 months)	34, Arlington Ave., Westmount, Quebec.	A senior engineer, Electrical Division, General Engineering Dept., Aluminum Co. of Canada Ltd.
JONAS, J. J.	Metallurgical	Administration, Management and Production - Steel Company of Wales, Ltd. (1 year) Cambridge University. (1 year)	495, Prince Arthur St., W., Apt. 22, Montreal 18, Quebec.	Still in U.K. - present address - Caius College, Cambridge.
ZAMES, G.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	3000, Maplewood Avenue, Apt. 7, Montreal, Quebec.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
McGILL UNIVERSITY - continued				
1955 Group				
HAYES, W. F.	Mechanical	Aeronautical Engineering (Air-craft propulsion) College of Aeronautics, Cranfield. (2 years)	120, St. Jean Basco, Apt. 15, Ste. Foy., Quebec City 10, Quebec.	
ROSS, G. McK	Electrical	Telecommunications - Standard Telephones and Cables Ltd., Woolwich and Woolwich Polytechnic. (2 years)	3507, Shuter Street, Montreal, P. Quebec.	
SUTCLIFFE, F. H.	Civil	Concrete Technology - Imperial College of Science and Technology. (1 year) Messrs. E. J. Cook & Co. Ltd., London. (1 year)	10860, St. Denis St., Montreal, P.Q.	
VILLAGOS, J. P.	Mechanical	Production Engineering and Management - Birmingham University. (1 year) Metropolitan-Cammell Carriage & Wagon Co. Ltd., Birmingham. (7 months) London Transport Executive. (4 months)	3911, Rivard St., Montreal, P.Q.	
WEBB, P. P.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	334, Stanstead Ave., Montreal, P. Q.	Still in U.K. - present address - 68, Lonsdale Road, London, S.W.13.
1956 Group				
LEFCORT, M. D.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Birmingham University. (1 year)	641, Roslyn Ave., Montreal, P.Q.	Still in U.K. - present address - 68, Stirling Road, Edgbaston, Birmingham 16.
PERKS, W. T.	Civil	Civil Engineering - City Engineer's Department, Bradford. (1 year) University of Liverpool. (1 year)	5837, Terrebonne Ave., Montreal, P.Q.	Still in U.K. - present address - 6, Hydro Avenue, West Kirby, Cheshire.
WONHAM, W. M.	Electrical	Control Engineering - Cambridge University. (2 years)	28, Thornhill Ave., Westmount, P.Q.	Still in U.K. - present address - 16, Panton Street, Cambridge.

1957 Group

FANCOTT, R.

HEFFERNAN,
F. J. P.

SHOHET, M.

NATIONAL AERONAUTICAL ESTABLISHMENT**1955 Group**

PRICE, P.

UNIVERSITY OF NEW BRUNSWICK**1951 Group**

FYTCHE, E. L.

McCULLY, G. R.

1952 Group

DICEZZO, C. D.

1953 Group

BURRIDGE, R. E.

Mechanical	Nuclear Power - Imperial College of Science and Technology. (1 year) 2nd year to be arranged with Nuclear Power Group.	119, Cedar Ave., Pointe Claire, Montreal, P.Q.	Still in U.K. - present address - 68, Lonsdale Road, Barnes, S.W.13.
Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	8623, Reims Street, Montreal, P.Q.	Still in U.K. - present address - 57, Eyot Gardens, St. Peter's Square, London, W.6.
Civil	Mechanical Engineering. The Steel Company of Wales Ltd. (1 year) 2nd year to be arranged.	5562, Borden Avenue, Cote St. Luc, Quebec.	Still in U.K. - present address - Redlands, 28, West Road, Nottage, Porthcawl, Glamorgan.
Aeronautical	Aerodynamics - Royal Aircraft Establishment. (2 years)	81, Riverdale Ave., Ottawa, Ontario.	L. and P. Company, Rio de Janeiro Tramways, Caixa, Postal 571, Rio de Janeiro, Brazil.
Electrical	Electrical Engineering - Protection Engineering and System Interconnection - British Electricity Authority. (2 years)	Barrington, Nova Scotia.	Communications Branch, National Research Council, Ottawa, Ontario.
Electrical	Electronics - Imperial College of Science and Technology. (2 years)	84, Waverley Street, Ottawa.	Royal Military College, Kingston, Ontario. Navy-lecturing. Tri-Service Military School.
Electrical	Servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	39A, Queenston Heights, Box 994, Fort Henry P.O., Barrfield, Ontario.	
Electrical	Electrical Engineering - British Thomson Houston Co. Ltd., Rugby. (Continued studies at Rugby Technical College). (2 years)	191, Aberdeen St., Fredericton, New Brunswick.	Assistant Professor, Dept. of Electrical Engineering, University of New Brunswick.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF NEW BRUNSWICK - continued				
1953 Group - continued				
SHEPARD, R. S.	Civil	Papermaking and Paper Mill Machinery and Business Administration - Walmsleys (Bury) Ltd. (3 months) Courtaulds Ltd., Coventry. (1 month) Bertrams Ltd., Edinburgh. (7 months) London School of Economics. (1 year)	8 - 17th Avenue, Edmundston, New Brunswick.	Central Engineering Office, Fraser Companies Ltd., Edmundston, New Brunswick.
1954 Group				
BALLANCE, R. C.	Civil	Public Health Engineering - Imperial College of Science and Technology. (2 years)	R.R. #6, Fredericton, New Brunswick.	Assistant Professor of Civil Engineering, University of New Brunswick.
GRANT, E. J.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) The Pre-stressed Concrete Co. Ltd., London. (10 months)	4962, Cavendish Blvd., N.D.C., Montreal.	Structural Engineer, Foundation of Canada, Engineering Corporation Ltd.
1955 Group				
DEAN, J. R.	Mechanical	Steam Turbines and Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) Birmingham University. (1 year)	160, Forest Hill, Fredericton, New Brunswick.	
1956 Group				
HALE, R. C.	Civil	Business Administration - London School of Economics. (1 year) Cleveland Bridge and Engineering Co. Ltd. (1 year)	50, Mecklenburg Street, Saint John, New Brunswick.	Still in U.K. - present address - London House, Gulford Street, London, W.C.1.
OWER, W. N.	Mechanical	Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) Birmingham University. (1 year)	208, Gowan Ave., Toronto, Ontario.	Still in U.K. - present address - 9, Oakfield Road, Birmingham 12.

1957 Group	Electrical	Light Electrical Engineering - Imperial College of Science and Technology. (1 year) Will probably remain at Imperial College for 2nd year.	75, Steadman St., Moncton, New Brunswick.	Still in U.K. - present address - London House, Gulford Street, London, W.C.1.
NOVA SCOTIA TECHNICAL COLLEGE				
1951 Group - N11				
1952 Group	Civil	Structural Engineering - Imperial College of Science and Technology. (1 year) Sir William Arrol & Co. Ltd., Glasgow. (6 months) Scott and Wilson, Kirkpatrick and Partners, London. (6 months)	69, Bland Street, Halifax, Nova Scotia.	K. E. Whitman, Consulting Engineer, 22, Blower Street, Halifax, Nova Scotia.
WALLER, D. H.	Civil	Public Health Engineering - Imperial College of Science and Technology. (1 year) Metropolitan Water Board. (8 months) Main Drainage Department, Middlesex County Council. (2 months) Tame and Rea District Drainage Board, Birmingham. (1 month) Liverpool Corporation Waterworks. (1 month)	19, Seymour Street, Halifax, Nova Scotia.	City Engineer's Office, Department of Works, Halifax.
1953 Group	Mechanical	Power Plant Manufacture, Thermodynamics - C. A. Parsons & Co. Ltd., Newcastle upon Tyne. (1 year) Birmingham University. (1 year)	14, Norwood Street, Halifax, Nova Scotia.	National Research Council, Ottawa.
VACHAL, J. D.	Mechanical	Aeronautical Engineering - De Havilland and Co. Ltd., Hatfield (Continued studies at Hatfield Technical College). (2 years)	2945, Barclay Avenue, Apt. 8, Montreal.	
1954 Group	Mechanical	Manufacture of gas turbines - Rolls Royce Ltd., Derby. (2 years)	Apt. 1, 14, Spring Ave., Deep River, Ontario.	Junior Engineer, Engineering Design Branch, Atomic Energy of Canada Limited.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1954 Group - continued				
ROY, A. H.	Mechanical	Mixed academic and practical experience in steam turbine technology. Thermodynamics - C. A. Parsons & Co. Ltd. (1 year) Birmingham University. (1 year)	2709, Roussel St., Chicoutimi, P.Q.	Engineer, Paper Division, Price Bros. & Co. Ltd.
1955 Group				
BENNETT, R. A.	Mechanical	Power Plant Engineering and marine turbine experience. Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	369, Pleasant St., New Glasgow, Nova Scotia.	
CAMPBELL, J. E.	Civil	Advanced structures with reference to concrete and steel - Imperial College of Science and Technology. (1 year) Messrs. Dorman Long (Bridge & Engineering) Ltd., London. (1 year)	35, George St., New Waterford, Nova Scotia.	
WELD, G. B.	Mechanical	Mechanical Engineering, Applied Mechanics - The Brush Group Limited, Loughborough. (4 months) Sheffield University. (1 year)	16, Waegwoltic Ave., Halifax, Nova Scotia.	
1956 Group				
LANE, A. D.	Mechanical	Nuclear power - Metropolitan - Vickers Electrical Co. Ltd., Manchester. (1 year) Birmingham University. (1 year)	142, Morris Street, Halifax, Nova Scotia.	Still in U.K. - present address - Chancellor's Hall, 55, Augustus Road, Edgbaston, Birmingham 15.
1957 Group				
CAMPBELL, M. C.	Chemical	Metallurgical Engineering - Imperial College of Science and Technology, Royal School of Mines. (2 years)		Still in U.K. - present address - Room 61, Beit House, Imperial College, London, S.W.7.
CHURCHILL, R. J.	Electrical	Light Electrical Engineering - Birmingham University. (1 year) Liverpool University. (1 year)	15, St. Peter's Road, Sydney, Nova Scotia.	Still in U.K. - present address - 10, Vicarage Road, Edgbaston, Birmingham 15.

PROVINCIAL COLLEGE OF TECHNOLOGY AND ART, CALGARY

1957 Group				
MALET DE CARTERET R.	Aeronautical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	11915, Michel Sarrazin St., Apt. 11, Cartierville, Montreal.	Still in U.K. - present address - Mitchell Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.
QUEEN'S UNIVERSITY				
1951 Group				
BRECK, W. G.	Chemical	Electro-Chemistry - University of Cambridge. (2 years)	Royal Military College, Kingston, Ontario.	Canadian Bridge Co., Walkerville, Ontario.
SINCLAIR, G. R.	Civil	Concrete Structures - Imperial College of Science and Technology. (2 years)	1227, Argyle Road, Windsor, Ontario.	
SLINGERLAND, F. W.	Mechanical	Gas Turbine Technology - Imperial College of Science and Technology. (2 years)	95, Findlay Avenue, Ottawa, Ontario.	Operational Research Department of National Defence, Quebec, P.Q.
WILLIAMS, A. J.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	C/o 124 Fentinan Avenue, Ottawa, Ontario.	Department of Mines and Technical Surveys, Ottawa.
1952 Group				
BIGHAM, C. B.	Engineering Physics	Nuclear Physics - University of Liverpool. (2 years)	14, Spring Avenue, Deep River, Ontario.	Atomic Energy Ltd., Chalk River, Ontario.
MacMILLAN, F. A.	Engineering Physics	Aerodynamics - University of Cambridge. (2 years)	Box 432, Cochrane, Ontario.	Defence Telecommunications Establishment, Ottawa.
MITCHELL, J.	Engineering Physics	Electronics and Servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (9 months)	325, Claremont Drive, Ottawa.	Defence Telecommunications Establishment, Montreal Road, Ottawa.
NIKIFORUK, P. N.	Engineering Physics	Electronics - The University, Manchester. (2 years)	Vegreville, Alberta.	Defence Construction Ltd., Edmonton, Alberta.
1953 Group				
BENETEAU, P. J.	Engineering Physics	Electronics - Imperial College of Science and Technology. (10 months)	906, International House, 500, Riverside Drive, New York, 27.	
BROWN, R. L.	Engineering Physics	Aircraft Propulsion - College of Aeronautics, Cranfield. (2 years)	695 - 2nd Avenue East, Owen Sound.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
QUEEN'S UNIVERSITY - continued				
1953 Group - continued				
HILL, P. G.	Mechanical	Gas Turbine Industry. Thermodynamics - Rolls Royce Ltd., Derby. (1 year) Birmingham University. (1 year)	3858, Laurel Street, Vancouver, British Columbia.	
MISSEN, R. W.	Chemical	Physical Chemistry - Cambridge University. (2 years)	Dept. of Chemical Engineering, University of Toronto, Toronto 5, Ontario.	Assistant Professor of Chemical Engineering, University of Toronto.
OLSON, A. T.	Mechanical	Gas Turbine Industry. Thermodynamics - Rolls Royce Ltd. Birmingham University. (1 year)	Gravenhurst, Ontario.	
1954 Group				
ELLIS, J. S.	Civil	Structures and Materials - Cambridge University. (2 years)	418, Earl Street, Kingston, Ontario.	
MacDONALD, I. J.	Mechanical	Mechanical Engineering, and Thermodynamics - Fraser and Chalmers in G.E.C. Group. Birmingham University. (1 year)	7320, Sherbrooke St. W., Montreal.	
PIKE, J. G.	Mechanical	Thermodynamics and construction of gas turbines - Bristol Aeroplane Co. Ltd. (1 year) Birmingham University. (1 year)	268, Homewood Ave., Hamilton, Ontario.	
TURNER, L. R.	Chemical	Design and manufacture of heat transfer equipment, suitable for chemical plant - Messrs. Foster. Wheeler Ltd., London. (2 years)	307, Queenston Gn. St., St. Catherine's, Ontario.	Job Engineer, Refinery Equipment, Foster Wheeler Ltd.
1955 Group				
CORNEIL, E. R.	Mechanical	Servomechanisms - Imperial College of Science and Technology. (2 years)	R.R. #1, Thorold, Ontario.	Still in U.K. - present address - 9, Morley Rd., Twickenham, Middlesex.
McLELLAN, P. W.	Chemical	Chemical Engineering - Oil Refining - British Petroleum Co. Ltd., Isle of Grain, Kent and Sunderbury-on-Thames. (18 months) The Power Gas Corporation, Stockton-on-Tees. (6 months)	254, Perreault St. E., Rouyn, Quebec.	

TUISKU, H. E.	Mechanical	Aeronautical engineering, specialising in helicopters - College of Aeronautics, (2 years) Cranfield.	129, Banning Street, Port Arthur, Ontario.	
1956 Group				
BROWN, J. A.	Chemical	Physical Metallurgy - Birmingham University. (2 years)	211, Kootenay Ave., Trail, British Columbia.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Birmingham, 15.
FUNKE, E. R. R.	Electrical Communications	Electrical Communications - Imperial College of Science and Technology. (2 years)	High Street, Morrisburg, Ontario.	Still in U.K. - present address - c/o City and Guilds College, Exhibition Road, London, S.W.7.
HENDERSON, J. E.	Civil	Civil Engineering, structural research - Birmingham University. (2 years)	C/o, Mr. A. B. McFarlane, P.O. Box 459, Aldershot, Ontario.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Birmingham 15.
HOWARD, J. H. G.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - Birmingham University. (1 year)	R.R. 2, Rigaud, P.Q.	Still in U.K. - present address - 28, Steel Road, Northfield, Birmingham 31.
SKOCZYLAS, H.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	21, Albert Street, Kingston, Ontario.	Still in U.K. - present address - 21, Cheniston Gardens, London, W.8.
1957 Group				
JULL, E. V.	Engineering Physics	Light Electrical Engineering - University College, London. (1 year) Will probably remain at University College for 2nd year.	616, Rideau Road, Calgary, Alberta.	Still in U.K. - present address - Connaught Hall, 15, Torrington Square, London, W.C.1.
MIDGLEY, P. A. S.	Electrical	Light Electrical Engineering - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	R.R. #1, City View, Ontario.	Still in U.K. - present address - Connaught Hall, 15, Torrington Square, London, W.C.1.
VANDALEN, K.	Civil	Reinforced and prestressed concrete - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	121, Ewen Road, Hamilton, Ontario.	Still in U.K. - present address - 1, Pembroke Crescent, London, W.11.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF SASKATCHEWAN				
1951 Group				
COLLIN, R. E.	Engineering Physics	Electronics and Radar - Imperial College of Science and Technology. (2 years)	708 - 28 St. West, Saskatoon, Sask.	Defence Research Board Establishment, C.A.R.D.E., Quebec City, Quebec (Microwave Section - Guided Missiles).
LINK, W. T.	Engineering Physics	Nuclear Physics - University of Birmingham. (2 years)	414, Qu'Appelle Hall, Saskatoon, Saskatchewan.	
1952 Group				
ALMOND, J.	Physics	Electronics - Imperial College of Science and Technology. (2 years)	1030, Colony Street, Saskatoon, Saskatchewan.	Defence Research Board, Ottawa (Electronics).
FRASER, D. J.	Geological	Oil Technology - Birmingham University. (10 months)	The Pas, Manitoba.	Sohio Petroleum Co., 109, Banlett Bldg., 8th Avenue West, Calgary, Alberta.
1953 Group				
BLACHFORD, C. W.	Electrical	Electrical Engineering - English Electric Co. Ltd., Stafford. (2 years)	Box 56, Ardath, Saskatchewan.	
CLARK, J. C.	Agricultural	Mechanical engineering (Tractor Production) The David Brown Companies Ltd. (2 years)	C/o 2605, Rosser Avenue, Brandon, Manitoba.	
THOMPSON, K. M.	Chemical	Chemical Engineering - Imperial Chemical Industries Ltd., Billingham. (2 years)	324 - 5th Street, Saskatoon, Sask.	
1954 Group				
JONES, B. G.	Mechanical	Nuclear Power - English Electric Co. Ltd., Rugby. (1 year) Atomic Energy Research Establishment, Harwell. (1 year)	C/o General Atomic Division, Canadair Limited, Montreal, Quebec.	
WRIGHT, P. M.	Civil	Structural Steel Work Design, Fabrication and Erection - Dorman Long (Bridge and Engineering) Ltd., Middlesbrough. (2 years)	308, Spadina Crescent W., Saskatoon, Sask.	

1955 Group				
LANGEMAN, P.	Civil	Advanced structures - Imperial College of Science and Technology. (1 year) Messrs. Dorman Long & Co. Ltd., Middlesbrough. (1 year)	49 - 9th Avenue E., Swift Current, Sask.	Ripley and Associates Ltd., Engineering Consultants, 1930, West Broadway, Vancouver 9, B.C.
SHIELDS, D. H.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) Scott & Wilson, Kirkpatrick & Partners, London. (1 month)	Box 41, Rainy River, Ontario.	
1956 Group				
MICKLEBOROUGH, B. W.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year)	Weyburn, Saskatchewan.	
1957 Group				
JOHNSON, D. W.	Engineering Physics	Light Electrical Engineering - Imperial College of Science and Technology. (2 years)	211 - 4th Ave. South, Yorkton, Saskatchewan.	Still in U.K. - present address - 1, Pembroke Crescent, London, W.11.
UKRAINETZ, P. R.	Mechanical	Aeronautical Engineering - Bristol Aeroplane Co. Ltd. (2 years) Will also have part-time education.	Erwood, Saskatchewan.	Still in U.K. - present address - 33, Logan Road, Bishopston, Bristol 7.
UNIVERSITY OF TORONTO				
1951 Group				
ARMOUR, J. M.	Engineering and Business	Production Engineering and Administration - Brockhouse Engineering (Stockport) Ltd., Stockport. (1 year) London School of Economics. (1 year)	24, Brendon Road, Toronto, Ontario.	Educational Supplies Association Ltd., 75, Queen Street, South, Kitchener, Ontario.
FIRSTBROOK, W. A.	Engineering and Business	Metallurgy of Iron and Steel, and Administration - Royal Technical College, Glasgow. (1 year) London School of Economics. (1 year)	15, Second Street, Oakville, Ontario.	Metallurgical Engineer, Sales Division, International Nickel Co. of Canada Ltd., Toronto, Ontario. (Married April 1955 - Son born July 1956).

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF TORONTO - continued				
1951 Group - continued				
KOSKI, J. T.	Electrical	Servomechanisms and remote control - Imperial College of Science and Technology. (9 months)	1, Elm Avenue, Toronto, Ontario.	Staff Department of Electrical Technology, Ryerson Institute of Technology, 50, Gould Street, Toronto.
LEAIST, G. T.	Chemical	Rubber technology and administration - National College of Rubber Technology, London. (1 year) London School of Economics. (1 year)	100, Park Row Avenue, South, Hamilton, Ontario.	
LEIGH, D. C.	Engineering Physics	Electronics - University of Cambridge. (2 years)	5, Annesley Ave., Toronto 17, Ontario.	Convair Aircraft, Fort Worth, Texas, U.S.A.
MacDONALD, D. H.	Civil	Soil Mechanics and Geology. Structural and hydraulic engineering - Imperial College of Science and Technology. (2 years)	Apt. 3, 2024, Murray Street, Niagara Falls, Ontario.	Soils engineer - H. G. Acres & Co. Ltd., in charge of newly-formed soils and Geology Section
MATTHEWS, J. N.	Mechanical	The Machine Tool Industry - H. W. Ward & Co. Ltd., Birmingham. (6 months) Churchill Machine Tool Co. Ltd., Manchester. (6 months) George Richards & Co. Ltd., Broadheath. (2 months) Kendall & Gent Ltd., Manchester. (1 month) John Lang & Co. Ltd., Johnstone, Scotland. (1 month) William Asquith & Co., Halifax. (1 month) Production Engineering Research Association, Melton Mowbray. (9 months)	49, Glengowan Road, Toronto, Ontario.	Ontario Research Foundation, 43, Queen's Park Crescent, Toronto.
MOFFAT, T. L.	Engineering and business	The Automobile Industry - The Rootes Group. (2 years)	1691, Bayview Avenue, R.R. #1, York Mills, Toronto, Ontario.	Canadian Kodak Co. Ltd., Mount Dennis, Ontario
PRIOR, B. W.	Engineering Physics	Gas Turbine Technology - National Gas Turbine Establishment, Pyestock. (2 years)	Apt. 5, 33, John Street, Eastview, Ottawa, Ontario.	National Research Council, Ottawa.

STEPHENSON, D. G.	Engineering Physics	Gas dynamics and aerodynamics - Imperial College of Science and Technology. (2 years)	1, McLeod Street, Ottawa, Ontario.	National Research Council, Ottawa.
1952 Group				
ADAMS, E. J.	Mechanical	Mechanical engineering - English Electric Co. Ltd., Rugby. (2 years)	79, Arlington Avenue, Toronto, Ontario.	John Inglis Co., Toronto, Ontario.
CHURCH, P. B.	Aeronautical	Aircraft construction - Fairey Aviation Co. Ltd., Hayes. (2 years)	Apt. 401, 56, Ranleigh Ave., Toronto 12, Ontario.	Aerodynamicist, de Havilland Aircraft of Canada, Ltd.
CROSS, D. H. E.	Physics.	Gas Turbine technology - Imperial College of Science and Technology. (1 year) Rolls-Royce Ltd., Derby. (1 year)	322, Lakeshore Road West, Port Credit, Ontario.	Crenda Engines, Malton, Ontario.
DODD, W. B.	Mechanical	Fabrication and production - British Thomson-Houston Co. Ltd., Rugby. (2 years)	43, Thornhill Avenue, Toronto 9, Ontario.	Domion Engineering Works Ltd. (Hydraulic Division), Lachine, Montreal 32.
RAYNER, W. M.	Mechanical	Manufacturing methods and processes - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (21 months)	14, Harris Crescent, Burlington, Ontario.	Turbine Division, Canadian Westinghouse Co. Ltd., Hamilton, Ontario.
WRIGHT, G. D. T.	Civil	Plastic Analysis and design of structures - University of Cambridge. (2 years)	Carruthers Hall, Queen's University, Kingston, Ontario.	Department of Civil Engineering, Queen's University, Kingston, Ontario.
1953 Group				
DeLORY, F. A.	Civil	Soil Mechanics and Concrete Technology - Imperial College of Science and Technology. (2 years)	Georgetown, P.E.I.	
DOOLEY, J. E.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) D. Napier & Sons, Acton. (1 year)	54, Bedford Park Avenue, Toronto 12, Ontario.	
FEE, E. W.	Mechanical	Nuclear Power - English Electric Co. Ltd., Rugby and Atomic Energy Research Establishment, Harwell. (2 years)	517, Brock Ave., Toronto, Ontario.	
LAUBITZ, M. J.	Engineering Physics.	Applied physics - Cambridge University (2 years)	155, Walmer Road, Toronto, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U. K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF TORONTO - continued				
1953 Group - continued				
MOLOZZI, A. R.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	c/o Mrs. Sargent, Charles St., Georgetown, Ontario.	Electronics Research - Defence Research Board, Ottawa, Ontario.
NEILL, M. T.	Mechanical	Mechanical engineering with special reference to Gas Turbine Locomotives - Metropolitan- Vickers Electrical Co. Ltd., Manchester. (1 year, 7 months)	574, St. James Street, London, Ontario.	
WOOD, J. K.	Chemical	Messrs. Poole and Associates, Marple Bridge. (5 months)		
		Mechanical engineering and Instrumental Control - College of Technology, Manchester. (1 year)	3002, Albert Street, Regina, Saskatchewan.	
		Imperial Chemical Industries Ltd., (1 year)		
1954 Group				
BATE, D. L. S.	Engineering Physics	Nuclear Power - C. A. Parsons & Co. Ltd., Newcastle and A. Reyrolle & Co. Ltd., Hebburn, Co. Durham. (2 years)	9, Slibbard Ave., Toronto, Ontario.	Still in U.K. - present address - 82, Grove Park, Knutsford, Cheshire.
BRYCE, W. W.	Aeronautical	Aerodynamics - College of Aeronautics, Cranfield. (2 years)	344, Lisgar Road, Rockcliffe Park, Ottawa, Ontario.	
DOWLING, P. J.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year, 10 months)	Room 620, 736, Granville St., Vancouver 2, British Columbia.	
PETTIGREW, H. C.	Engineering Physics	Electronics and Remote Controls - Imperial College of Science and Technology. (2 years)	Otterville, Ontario.	
RHODES, R. T.	Engineering and business	Works experience in light engineering quantity production - The Rootes Group, Coventry, Luton, Maldstone, London. (2 years)	57, Otter Crescent, Toronto 12, Ontario.	

SHAW, D. S.	Engineering and business	Production techniques and management - General Electric Co., Ltd., Witton. (1 year) Birmingham University. (1 year)	Victoria Street, Walkerton, Ontario.	Has not yet returned to Canada - present address - 9 Bis, Rue de la Liberte, Nice, France.
1955 Group				
BURKE, P. D.	Engineering and business	Telecommunications - Standard Telephones and Cables Ltd., Woolwich & Woolwich Polytechnic (2 years)	182, Toke Street, Timmins, Ontario.	
FRENCH, J. B.	Chemical	Aircraft Gasdynamics & Thermo- dynamics - National Gas Turbine Establishment. (1 year) Birmingham University. (1 year)	15, Statler Ave., Islington, Toronto, 18, Ontario.	
HAM, R. K.	Engineering Physics.	Physical metallurgy - Birmingham University. (2 years)	R.R.2, Paris, Ontario.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Birmingham 15.
HANSON, J. V.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)	15, Ivor Road, Toronto 12, Ontario.	Still in U.K. - present address - 68, Lonsdale Road, Barnes, S.W.13.
HARRIS, S. G.	Metallurgy	Metallurgy - Birmingham University. (2 years)	Nakina, Ontario.	Still in U.K. - present address - 45, Poplar Ave., Edgbaston, Birmingham 17.
LOWE, D. C.	Engineering and business	Production Engineering - Vauxhall Motors Ltd. (1 year) Birmingham University (1 year)	89, Oshawa Boulevard Sth., Oshawa, Ontario.	
SIMPSON, R. W.	Aeronautical	Aircraft design and propulsion - College of Aeronautics, (2 years) Cranfield.	2247, Lillian Street, Windsor, Ontario.	
1956 Group				
ARMSTRONG, M. J.	Engineering and business	Industrial Engineering - The Brush Group Ltd. (1 year) Birmingham University (1 year)	41, Pheasant Lane, Toronto 16, Ontario.	Still in U.K. - present address - 109, Salisbury Road, Birmingham, 13.
CRAWFORD, G. A.	Metallurgy	Extractive Metallurgy - Imperial College of Science and Technology. (2 years)	49, Heddington Ave., Toronto 12, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
HARRISON, M. A.	Engineering Physics	Business Administration - London School of Economics. (1 year) Messrs. Elliot Bros, (1 year) London.	23, Catalina Drive, Scarborough, Ontario.	Still in U.K. - present address - Flat 7, Macon Court, 42 The Gardens, Peckham Rye, S.E.22.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF TORONTO - continued				
1956 Group - continued				
MORGENSTERN, N.	Civil	Soil Mechanics - Imperial College of Science and Technology. (2 years)	76, Strathearn Road, Toronto, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
NETTLETON, T. R.	Aeronautical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	167, Castlefield Ave., Toronto, Ontario.	Still in U.K. - present address - 171 Watford Road, St. Albans, Herts.
SWANSON, S. R.	Aeronautical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	529, North Cumberland St., Port Arthur, Ontario.	Still in U.K. - present address - Mitchell Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.
WALLACE, R. R.	Civil	Concrete Technology - Imperial College of Science and Technology. (1 year) E. J. Cook & Co. (1 year)	C/o Canada Starch Co. Ltd., Cardinal, Ontario.	Still in U.K. - present address - 21, Cheniston Gardens, London, W.8.
WILENIUS, G. P. T.	Mechanical	Nuclear Power - Imperial College of Science and Technology. (2 years)	65, O'Brien Ave., South Porcupine, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
1957 Group				
BROWN, L. M.	Metallurgy	Metallurgy - Birmingham University (1 year) 2nd year to be arranged.	2496, Chilver Road, Windsor, Ontario.	Still in U.K. - present address-Chad Hill, 125, Harborne Road, Edgbaston, Birmingham, 15.
FOULDS, J. G.	Electrical	Electronic Machinery Control Systems-Imperial College of Science & Technology. (1 year) 2nd year to be arranged.	137, Glenaden Ave. E., Toronto, Ontario.	Still in U.K. - present address-London House, Guilford Street, London, W.C.1.
KING, G. F.	Chemical	Chemical Engineering - Imperial Chemical Industries Limited (2 years)	R.R. #1, Nashville, Ontario.	Still in U.K. - present address - 9, St. George's Road, Harrogate, Yorks.
McLEAN, D. J.	Engineering Physics	Light Electrical Engineering - Imperial College of Science & Technology (2 years)	525, Atlas Avenue, Toronto, Ontario.	Still in U.K. - present address - 1, Pembroke Crescent, London, W.11.

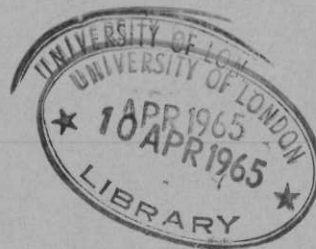
REYNOLDS, A. J.	Aeronautical	Aeronautics - Imperial College of Science & Technology (1 year) English Electric Co. Ltd., Guided Missiles Branch (1 year)	45, Wineva Ave., Toronto, Ontario.	Still in U.K. - present address - 68, Lonsdale Road, Barnes, S.W.13.
UNIVERSITY COLLEGE, LONDON				
1957 GROUP				
LARKIN, B. S.	Mechanical	Mechanical Engineering - Imperial College of Science & Technology (2 years)	Staff Hotel, Deep River, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.

PR[K5.5—

(ATHLONE FELLOWSHIPS

NEWS LETTER No. 3

JANUARY 1959



ATHLONE FELLOWSHIPS

NEWS LETTER NO. 3

January 1959

ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Sir Claude Gibb, K.B.E., F.R.S. (Chairman)
Sir Henry Gregory, K.C.M.G., C.B. (Vice Chairman)
A. M. Holbein, Esq., C.B.E. (Federation of Civil Engineering Contractors)
D. D. Walker, Esq., M.A., M.I.E.E. (British Engineers Association)
G. S. Bosworth, Esq., M.A., A.M.I.Mech.E., A.M.I.E.E. (British Electrical and Allied Manufacturers' Association)
C. M. Beckett, Esq., T.D., M.A., M.I.E.E. (Scottish Engineering Interests)
Professor H. E. M. Barlow, B.Sc., Ph.D., M.I.E.E., M.I.Mech.E.
(Pender Professor of Electrical Engineering, University College, London.)
Professor D. G. Christopherson, O.B.E., B.A., D.Phil., S.M., A.M.I.C.E., M.I.Mech.E.,
(Professor of Applied Science, Imperial College of Science & Technology, London.)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., M.I.E.E., F.R.S.E. (Professor of
Electrical Engineering, University of St. Andrews.)
Professor S. C. Redshaw, D.Sc., Ph.D., M.I.C.E. (Professor of Civil Engineering,
University of Birmingham.)
J. Young, Esq. (Trades Union Congress)
Captain B. E. W. Logan, R.N. (Retd.) (Federation of British Industries)
E. N. Gummer, Esq. (The British Council)
Mrs. E. Tegart, O.B.E. (Board of Trade)
G. E. Crombie, Esq., C.M.G. (Commonwealth Relations Office)
Miss S. M. E. Goodfellow (Ministry of Education)
Dr. J. G. Strachan, H.M.I. (Scottish Education Department)
Dr. A. C. Monkhouse, F.R.I.C., M.Inst.Gas.E. (Adviser)
R. Burgess, Esq. (Secretary)

The Athlone Fellowships News Letter No. 3

Foreword by the Right Honourable Geoffrey Lloyd, M.P., Minister of Education.

I am very glad to greet all Athlone Fellows, past and present. I had the good fortune to spend some time in Toronto soon after graduating from Cambridge and a project such as the Athlone Fellowships Scheme, which enables young graduates from Canada to spend two years working and studying in the United Kingdom, has my warmest support.

It is encouraging to find that the Scheme has already brought nearly 300 engineering graduates to this country and that additional Fellowships will be offered in 1959 for graduates from the new University Faculties of Engineering. The record of activities of Fellows still in this country is evidence that they are seizing the opportunity to benefit from the best we have to offer in the educational and industrial fields. I am confident that the experience gained will prove to be a lasting asset.

We in turn gain from having Athlone Fellows here as our guests. We should like to hear more of their activities and progress following the termination of their Fellowship.

May I, on behalf of Her Majesty's Government, wish happiness and success to all Athlone Fellows, past and present.

Geoffrey Lloyd

The Viscount Caldecote, D.S.C., M.A., has kindly supplied the following note:-

THE ECONOMIC IMPLICATIONS OF RECENT DEVELOPMENTS IN THE BRITISH ENGINEERING INDUSTRY

The subject of this note is extremely broad so I have chosen a number of examples in recent British engineering developments which are to my mind of outstanding importance. Since the supply of electric power at a low price is of prime importance to our modern industrial society I would first like to say something about electrical generating equipment.

Only a fraction of the world resources in hydro-electric power have yet been used. Countries such as the UK and Japan have used up to 25% of their resources but in larger areas such as Canada only some 10% to 15% has been utilised. Hydro-electric plant manufacture in Britain has increased by eight times since the pre-war period and since power generation in Great Britain will be primarily by thermal means this considerable output of hydraulic machinery is almost entirely for export. The size of turbines and generators continues to increase and the specifications remain stringent. This leads to the twin problems of high bearing loads, some in the region of 600 pounds per square inch, and complex governing problems which demand new techniques of control engineering such as magnetic amplifiers.

In the steam generating field we find similar advances in size and techniques. In 1945 30 MW sets were common, but now 500 MW sets are under consideration. This is largely due to the doubling of the inlet steam pressure and the raising of the inlet temperature. These increases in performance demand extensive research both in their heat transfer and metallurgical aspects.

Correspondingly alternators have increased in size. The cooling problems have been tackled by the introduction of hydrogen as a cooling medium, first by merely replacing the circulating air by hydrogen and lately by the introduction of hollow conductors through which the hydrogen circulates. The size limit of a single unit of 300 to 400 MW is determined by rotor mechanical stresses.

The most spectacular advance in power development is, however, that of nuclear energy and by 1975 some 10% of the home energy demand will be produced by nuclear fuel. While the initial advances in nuclear technology were made by joint Commonwealth-American effort, the post war development of efficient power generation by British engineers has clearly outstripped all our competitors and has incidentally given an indication of what engineers can achieve when they are given scope to do a job without interference. The nuclear power station now under construction at Hinkley Point has an output of 500 MW from a two reactor assembly and this should give power at .66 pence per unit, allowing for the re-sale value of the plutonium. This compares with the present cost from fossil fuel plants of about .6 pence per unit.

For economic operation nuclear stations must operate at high load factors due to the high capital cost (£110 per kw as opposed to £55 per kw for steam stations). In order to raise the overall load factor on nuclear stations much attention has been paid to pumped storage systems and the development of reversible machines such as the Deriaz machine (developed at Rugby) in which moveable blades can be set for maximum efficiency. This pumped storage philosophy is likely to have considerable economic impact in keeping down generating costs in Britain. Again it is the material problem in the reactor which limits the steam temperatures in nuclear systems, and much development work in this field will be required to raise the overall efficiency of nuclear stations.

In the field of electronics one of the most far reaching developments has been the digital computer. Design investigations, too lengthy for manual methods, have now become a practical possibility and many routine design calculations have been 'computerised'. The consequent better utilisation of engineering effort will have, and has had, a profound effect on our technical advance.

A less publicised, but vitally important branch of development has been in control engineering. Recently, a United Kingdom firm has supplied control equipment for a steel slabbing mill in Australia capable of delivering a peak torque of $2\frac{1}{2}$ times the R.M.S. rating, with automatic control on roll speed, thickness and so forth. Furthermore, automatic programming and operation has been developed, using the output signals from a computer to control the movements of the mill drives.

The complexity of the computers demands a high degree of reliability and the replacement of the thermionic valves by semi-conductors has been proceeding apace. Very advanced techniques are required to produce the germanium and silicon used to the required high purity, but the advantage in reliability and absence of heating current leads to their use in such other applications as power rectifiers, in telephone exchanges and aircraft electrical systems.

The improvements which are now being made to British Railways must also be mentioned. The economic effects of a more efficient railway system could be very great and the provision of diesel electric locomotives, such as the twin Deltic 3,500 hp engine, and the much wider use of AC distribution will certainly bring this about.

Finally, I would refer to two other unrelated fields. First aircraft, the exports of which during the last year have reached a rate of £150,000. Many aircraft and aero-engines are being made under licence abroad and are competing very favourably with the strong competition from the USA. Secondly in civil engineering the so called plastic method of design has been the main recent development. This is based on the fact that a structure will not collapse until plastic hinges develop at a number of sections thus making the structure into a mechanism. This is used to calculate the ultimate collapse load and leads to a better estimate of safe working stresses with consequent savings in weight and cost up to 25%.

This review has been exceedingly brief but perhaps I have said enough to show that British engineering is still as virile and progressive as ever it was.

CONFERENCE OF ATHLONE FELLOWS - AT BOARD OF TRADE ON 25th JUNE 1958

Report by Athlone Fellows J. G. Foulds and W. R. Atkins who acted as
General Secretaries of the Conference

The Board of Trade arranged the Conference, the first of its kind, to obtain information and opinions about the Athlone Fellowships Scheme from the participating Fellows themselves. Fifty-nine Athlone Fellows attended. The Conference lasted from 10 a.m. to 5.30 p.m., and at 6 p.m. there was a reception at Lancaster House where the host was the President of the Board of Trade.

The opening address was given by Mr. John K. Vaughan-Morgan, M.P., Minister of State, Board of Trade and the Viscount Caldecote, D.S.C., M.A., Director of English Electric Co. Ltd., spoke before the luncheon interval.

Sir Claude Gibb, the Chairman of the Athlone Fellowships Managing Committee, was unable to be present and Sir Henry Gregory, K.C.M.G., C.B., Vice-Chairman took the chair at the General Assembly at the final stage of the Conference.

Miss D. E. Ackroyd of the Board of Trade introduced the speakers, and Dr. Burness, Adviser to the Board of Trade on the Scheme, and Dr. Monkhouse, Adviser elect, attended throughout the Conference.

After the opening address, the Conference was divided into four discussion groups to consider four pre-determined points, each group having a Government official as Chairman. Each group was asked to appoint a reporter to prepare and present at the final assembly a report on the specific question assigned to it; and three speakers to give the Group's comments on the other three questions.

Group I Discussion Point: "What difference will experience obtained in this country have upon your choice of work and your advancement prospects in Canada?"

Without exception, Athlone Fellows must return to Canada with a greater technical ability than that with which they left the country. This means that they will be able to command more interesting, challenging and highly-paid jobs than those which they were offered before leaving Canada. This is usually the most important reason for doing graduate work under any circumstances.

An Athlone Fellow is usually aware of the fields in which he is most interested, before taking up the Fellowship. There is often a clarification of interests while in this country, but very few Fellows have experienced a dramatic change in outlook.

Returning to Canada with a University degree or specialized industrial training in addition to the prestige attached to the name of the Fellowship, will give the Athlones an advantage in the job market. However, the Fellows would not attempt to prophesy how the two years in England would affect their advancement prospects in the more distant future. Perhaps this was because advancement is dependent on many qualities besides technical knowledge (intelligence, initiative, etc.) which are inherited or take many years to develop. It is very difficult to estimate the effect of our experiences in this country, on these qualities.

It was agreed that the Athlones would return to Canada having achieved a greater appreciation of cultural activities and being equipped to lead a more satisfying life.

Group II Discussion Point: "Suggestions for improvement in the Scheme. In what respect has the training here failed to come up to expectations? Has it in any way supplied something that had not been expected?"

Many Fellows expressed concern at the type of training offered by the large corporations in this country. Canadian graduates cannot get enthusiastic about most apprenticeship schemes when they know that their fellow graduates in Canada are doing more interesting and challenging work and are being paid three times the salary. If a Canadian gives up the material advantages of life in North America he expects "something" in return and that "something" is not usually found on the shop floor of a large factory. Quite often it is found in the research and development departments where a Fellow can obtain experience which is not available in Canada. Athlones have learned a great deal about the "nuts and bolts" aspect of Engineering through their summer jobs in Canada. Their education in this respect is by no means complete but it seems wasteful to spend much time on this sort of training when it is easily obtained in Canada.

The large firms in Britain must be encouraged to treat each overseas student as a special case and there should be direct lines of communication between the student and the

Education Advisers in a Company so that his requests do not get lost in organizational red tape. Small industrial units seem to have provided the best experience in the past. They are also more flexible and the student has been given greater freedom and responsibility.

It was suggested that the industrial Fellows should be allowed more holidays as it was felt the academics were very favoured in this respect.

On two points, the terms of the Fellowship need clarification.

Changes in Study Programme: Each Fellow should be given a free hand in choosing his own programme and making changes if necessary, within a framework defined by the Managing Committee. While the scheme has been flexible in the past, decisions on study programme have at times appeared inconsistent. Some Athlones have had great difficulty in making suitable arrangements, while others have been surprised at how easily they have won their way. The reasons for this are not apparent to the Fellows and they would like the Committee to define its policy on these matters.

Information: The prospective Athlone Fellow in Canada finds it very difficult to obtain accurate information about industrial and university training in this country. It would be helpful if a brochure were prepared which dealt with these matters and was available in Canada along with the Memorandum on Conditions of Award. The student must be fully informed about both sides of the Fellowship before he can be expected to make a wise choice of programme.

It would be helpful if more information were available concerning short courses at Universities in this country.

A suggestion was made that a Trade Index of British engineering firms be given to candidates.

Group III Discussion Point: "Are the objects of the scheme more likely to be realised from (a) academic training, (b) industrial training or (c) a combination of the two?"

After initial discussion on what actually were the "objects of the scheme" the one unanimous conclusion was that the Fellow should be happy with his choice of work. The best trade ambassadors of the future are those who have been satisfied in having had the training they wanted. This, it was thought, was best brought about by giving the Fellow a completely free choice, assuming he knew all the facts of the three types of programmes, and was aware of different practices in training and education.

Industrial training clearly serves the immediate interests of the Board of Trade in introducing familiarity with British engineering equipment. For Fellows planning ultimate careers in production or management, it is most useful. Some Fellows thought that the two years of industrial training is spent best at a number of places, rather than with one firm. Unfortunately, several Fellows complained that the British apprenticeship system removed some "job challenge" for them, but other Fellows seemed completely satisfied. This appeared to be determined by the company, and how well informed the Fellow was beforehand.

In working in industry, a Fellow sees the overall production of a product of one or more firms, and therefore has firsthand knowledge of these products, as well as a vast increase in his own knowledge. Thus both the Fellow's and Board of Trade's objectives are satisfied.

Very strong opinions were voiced in favour of the academic plan, though these opinions were not unanimous. It was felt that a Fellow with post graduate training was in no way less familiar with British products, and on his return to Canada would be just as prone to

think of British equipment as would a Fellow who spent his time in industry. The possession of a higher degree does not restrict work to research, and may, in fact, lead to positions of greater responsibility. In working towards higher degrees, a student must order his own equipment, and in doing so, must consider all the firms producing what he wants. When this is supported by works visits, it was felt the familiarity with a broad range of goods was increased.

From the Fellow's point of view also, the academic is satisfying. It was pointed out that in Canada a higher degree is a very desirable asset, perhaps more so than in Britain. Higher degrees tended to "open more doors" and allowed more specialized employment for the prospective employee. Several Fellows thought the academic scheme had more fringe benefits, therefore making it more desirable.

The combination scheme had a great many supporters. Its advantages are a combination of both the above schemes and need not be repeated. Although this scheme is advantageous to both the Fellow and the Board of Trade, regret was expressed over the fact that one year diplomas offered in Britain are not widely recognized in Canada.

In summation, it was generally agreed that the Board of Trade's objectives were achieved by both industrial and academic training. Therefore, as long as the Fellow was completely satisfied and happy with his work, as most of the Fellows are, the complete aim of the scheme was fulfilled. As evidenced by the widely differing opinions expressed, the Fellows felt this was achieved by leaving the scheme flexible and giving a free choice based on complete information, and individual consideration on selecting the areas in which he will be trained. If the Board of Trade want to keep the majority of students in industry, and still have the scheme flexible, they must provide more incentive for industrial experience. This could be done by some pay differential, longer vacation time, and encouraging industry to give more individual treatment.

Group IV Discussion Point: "Views on the advantages to be obtained from visits to works by groups of Fellows".

To quote from Lord Caldecote's speech"..... we don't ask you to buy our products because of our close and friendly relations, but because we believe that we can do a better job for you than anyone else".

The general opinion of the Fellows was that works visits give a broader look at the scope of British industry and help to determine if a "better job for you than anyone else" is done. All the Fellows, regardless of their scheme, benefit from works visits, and they are generally found stimulating and interesting. Works visits are particularly useful for academic Fellows and those spending two years with one firm. Visits ensure that opinions formed in this country are not one-sided, or confined to one facet of British Technology.

Much of the discussion broke down to methods of getting more out of visits. It was suggested that small groups, guided by technically competent men, led to stimulating discussion and generally more interesting visits. Ideally, the visits should concentrate on particular parts of the company's operation. Many firms visited had such arrangements and often were completely willing to do whatever the Fellows wished. The Fellows expressed a great deal of appreciation for many unexpected invitations and the wonderful hospitality shown by some firms.

It was agreed that all possible assistance should be given, and particularly to Fellows who are not in contact with others. This could be done by standard form letters for visit applications, lists of industries and their main fields of work, and notices of visits to Fellows who may be interested.

Generally, works visits were considered to be a very good thing, rounding out the store of information and supplying particular information in many cases.

Summary and Comment

Four main points arose from the discussions:

Information

It is very important that the prospective Fellow in Canada have a more accurate picture of the type and conditions of training available in this country. A pamphlet should be prepared which would point out the differences between training in Canada and Great Britain and help the student to decide upon the course of study best suited to his needs. The secretaries suggest that a committee be appointed to prepare a brochure dealing with these matters. Such a committee should represent the opinions of Industry, University and the Athlone Fellows.

Clarification

The Managing Committee needs to go a little further in defining its policy, particularly with regard to study course available under the scheme and the procedures and criteria used in cases where the Fellow wishes to change his study programme.

Flexibility

Some students will always make an unhappy choice of programme. If they can change freely, they will remain satisfied with their work and will feel that their two years are well spent. The Fellows felt that the scheme is quite flexible now, and it should be left so, particularly with respect to initial choice of programme, no special emphasis being placed on any one type.

Industrial training

There was a general feeling that the Fellow in industry should receive more individual attention and that he should be given a greater opportunity to obtain specialized experience which is difficult to find in Canada.

There was very little comment on points one and four. The Fellows would not attempt to look far into the future. It was agreed that the Fellowship was a very good scheme and anything which gave an opportunity for seeing more of British Industry would help to improve it.

The Conference brought to light many points and questions, the main ones being summarized above. Some of the points brought up were a matter of administrative machinery and could be easily rectified. However, the Fellows enjoyed having the opportunity to express their views and this should result in a feeling of better understanding. Although the Conference was primarily to see how the scheme is going, the Fellows enjoyed hearing opinions from those not in the same training plan. Much of the discussion reverted to criticism and complaints, but there was an underlying feeling that those present were very grateful and proud to be able to call themselves an "Athlone Fellow".

(Note: The Managing Committee of the Athlone Fellowships Scheme have under consideration the various suggestions made in this Report.)

Note from the Managing Committee in the United Kingdom

The Managing Committee for the Athlone Fellowships Scheme have pleasure in issuing this third Newsletter to Fellows past and present and to others interested in the United Kingdom and in Canada.

Readers will have observed from page 2 that 1958 saw a change in Chairmanship of the Managing Committee, Sir Claude Gibb, K.B.E., F.R.S., the Chairman and Managing Director of Messrs. C. A. Parsons and Company Limited, having succeeded Sir Arthur P. M. Fleming, C.B.E. Sir Arthur Fleming was a member of the exploratory mission to Canada in 1950, whose report resulted in the institution of the Athlone Scheme, and he was also the United Kingdom Managing Committee's first Chairman. The help he gave was always constructive and generous and the success of the Scheme is largely due to the thorough work he did both before the start of the Scheme and subsequently from the Chair of the Managing Committee. It was with great regret that the Athlone Authorities learned early in the year that Sir Arthur had felt it necessary to resign the Chairmanship of the Committee.

Shortly after this News Letter had gone to press, the Committee learned with deep regret of the death of Sir Claude Gibb. Sir Claude collapsed and died on January 15th whilst travelling from the United States to Canada.

Dr. H. H. Burness was, at the end of the year, succeeded as Adviser to the Scheme by Dr. A. C. Monkhouse.

1958 also saw the first conference of Athlone Fellows which was held under the auspices of the Board of Trade on the 25th June, 1958 to obtain information and opinions about the Scheme for the Fellows themselves. On the preceding day groups of the Fellows visited the Nuclear Power Station, Bradwell-on-Sea, Essex, the G.P.O. Research Establishment, Dollis Hill and the Royal Aircraft Establishment, Farnborough. The conference is fully reported elsewhere in this letter.

Since the issue of the second Newsletter a further group of Athlone Fellows has arrived in Great Britain, bringing the total number of Fellows up to 295. In the light of the discussion at the June conference, the following table, showing how the programmes of the Fellows were divided as between industry and university, may be of interest.

	Two years industry	Two years University	Mixed course	Total
1951	8	21	9	38
1952	4	18	13	35
1953	16	11	10	37
1954	10	10	16	36
1955	8	12	17	37
1956	1	21	16	38
1957	2	25	9	36
1958	4	11	23	38
	53	129	113	295

The number of Fellows following programmes in the various branches of engineering in the United Kingdom are as follows:-

Mechanical (including Production Engineering and Administration)	68	Metallurgy	18
Aeronautical	29	Metalliferous Mining	2
Light Electrical	55	Petroleum Technology	2
Heavy Electrical	11	Physical Chemistry	4
Civil	56	Nuclear Physics	3
Chemical	21	Nuclear Chemistry	1
Physics	2	Nuclear Power	20
Forestry	1	Environmental	1
		Geophysics	1

The number of Fellows who have returned to Canada is now 201. Of these 38 had stayed on in Great Britain for various periods after the expiration of their Athlone Fellowships, 30 to complete the work for higher degrees and 8 to gain further industrial experience. Of the 94 men at present in the United Kingdom, 20 have finished the two years of their Fellowships and are staying on for a further period to complete their work in university or in industry.

It may be of interest to readers to know to what type of employment in Canada Fellows are returning. The following analysis relating to the first five groups of Fellows has been produced from information supplied by individual Fellows and the Authorities in Canada. It is, unfortunately, not as complete as the Committee would wish but it does give some indication of the trend.

	1951	1952	1953	1954	1955	Total
Industrial	21	23	16	15	10	85
Canadian Government	8	4	3	1	-	16
Academic	4	5	5	4	4	22
Not in Canada	3	1	2	1	1	8
Not known	2	2	11	15	22	52
	38	35	37	36	37	183

("Industrial" includes Atomic Energy of Canada Limited, "Canadian Government" includes Mines Department, National Research Council and Defence Research Board employment, and "Academic" means engaged in a University.)

It is a source of some disappointment to the Committee that, despite their appeal in the Newsletter issued a year ago and their last minute request of the Fellows in the United Kingdom for material for inclusion in this and subsequent issues of the letter, only two items were submitted. They therefore repeat that they will welcome notes from past and present Fellows about their experiences in the United Kingdom, and are particularly anxious to hear from past Fellows of their careers in Canada, their progress in their employment, and any incidents or items which would interest other Fellows or any of the other recipients of the Letter both in the United Kingdom and in Canada. They will also welcome contributions for the Letter from universities and employing organisations, both in the United Kingdom and Canada, on any matter which would be of interest to persons connected with the Scheme and particularly any suggestions for its improvement.

The Managing Committee are also anxious to receive from all past Fellows, information to keep their records up-to-date. They will, therefore, be pleased if these Fellows will complete the tear-off slip on page 17 and send it to the Secretary, Athlone Fellowships Managing Committee, Ministry of Education, Curzon Street, London, W.1.

IMPRESSIONS OF AN ATHLONE FELLOW ON HIS STAY IN THE UNITED KINGDOM

by Roger Labonté

(Roger Labonté is a 1955 Athlone Fellow from Ecole Polytechnique, Montreal. He spent nineteen months at Imperial College in London and four months at the employment of Messrs. Sandford Fawcett and Partners, consulting engineers in Westminster, London. Since his return to Canada, he has occupied the position of Assistant Professor in Sanitary Engineering at Ecole Polytechnique).

To live in a foreign country may be a great asset for a young man of a receptive mind and of an inquisitive spirit. For a Canadian there is certainly a genuine interest in getting the feeling of a related country such as the United Kingdom and in gaining a real insight into the life and the traditions of the British people. I feel this experience is a happy complement to one's education.

For a French Canadian of Montreal, a stay in United Kingdom is even more interesting because it enables him to become more familiar with the language of Shakespeare. It is moreover an intellectual enrichment due to the contacts it brings with people of different culture and outlook.

As I spent almost the two years of my training in London, it is natural that I put the emphasis on London itself. It is intended to show first the London scene, to introduce its people and to point out different aspects of the life of London as seen by an Athlone Fellow.

The London Scene

Perhaps London is not a City that a person falls in love with at first sight. It takes time to get acquainted with London, to appreciate its subtle atmosphere and to enjoy it thoroughly. But when a person has learnt the London way of life, he remains attached to it for ever. As the boat train steamed away from London, I had the feeling I had lived there for years. I leave behind memories that have lit up and enchanted two wonderful years of my life.

Sightseeing is certainly a great attraction for foreigners and no observation post is better than the front seat of a red double-decker bus. In the rain or in a sunny interval, in the winter mist or by the dim yellow light of gas lamps, it is always a pleasure to watch the changing aspects of Westminster and of the City.

Within easy reach of London is the wonderful English countryside which I like particularly for its evergreen meadows as pretty as a garden. Nothing is more relaxing for a weary Londoner than to stroll in the quiet countryside or more fascinating than to visit on a weekend old country houses and romantic ruins that tell the visitor the story of many centuries.

Its people

As the largest City in the world, London is certainly overcrowded but a Canadian gets the impression of a perfect mechanism which runs smoothly and without much noise.

Perhaps Old England can teach the inhabitants of the Canadian land striking lessons of social virtues such as politeness and self-control. I have admired much the dignity of the British, their efficiency without haste, their particular sense of humor and of proportion and their deep attachment to tradition.

The English have simple taste and are great lovers of nature. They like to eat their lunch in the parks which are as numerous as they are beautiful. They enjoy most the cosy atmosphere of their home in front of the traditional openfire. They like sport in every form and do not mind the rain or damp weather. The cheerful atmosphere of the pub is something unique to a Canadian; for an English family the pub has become an institution which is part of English social life.

The life of London

Life in London flows at the same rhythm as the pace of its people, steady and firm. It is also the rhythm of the traffic through its narrow winding streets and of the Thames, ebbing and flowing steady and calm under its bridges.

Besides its intellectual and political life, artistic activities are numerous in London. Every night has to offer a wide variety of first class entertainment at Covent Garden, the Royal Festival Hall, Sadler's Wells and the great theatres of the West End.

For night life there is Piccadilly and exuberant Soho which is the district par excellence for good restaurants, coffee houses, and all kind of entertainment, varying from the most sophisticated to the most trivial.

London is also a cross-roads where scholars from all over the Commonwealth and leaders of to-morrow's society meet and discuss solutions to world problems. These informal discussions lessen the differences between nations by bringing individuals from them closer together and making them feel more alike and more human. Acquaintanceships started over a cup of tea remain very often over the ocean barrier. I retain the feeling that there are all over the world people of goodwill who want nothing but the unity and the peace of the world and the well-being of mankind.

Conclusions

After a person has visited various places, met different people and heard conflicting ideas, he inevitably starts to establish standpoints of comparison and to feel more critical of his surroundings and mindful of world problems. If an Athlone Fellow as the result of his stay in the United Kingdom has gained a more realistic and more comprehensive outlook, he will have learned in the same way how to put forward more constructive plans for a better and brighter future.

The Athlone Fellowship Scheme not only fulfils its aim of strengthening commercial ties between Canada and Britain. It also fosters brotherhood and mutual understanding between the people of Great Britain and the Commonwealth. An Athlone Fellow, when he returns to his own country, returns as a better citizen of Canada, which is important; but what is more important is that he returns as a better citizen of the Commonwealth as a whole.

ROGER LABONTÉ

The following quotation is from the "McGill News" (Winter 1957 issue).

**"MCGILL ENGINEER GETS CREDIT FOR ENGINEERING FEAT
ON JACQUES CARTIER BRIDGE"**

"An unprecedented feat of engineering surgery was performed on Montreal's Jacques Cartier Bridge this fall. Credit for its success goes to Dr. Ross Chamberlain, B. Eng. 1951, who was responsible for designing the new span and devising means of installing it.

"A 250-foot section of the famous bridge was replaced at the Southern end in a period of 5 hours - one of the more spectacular phases in the overall construction of the St. Lawrence Seaway. Engineers have called it 'a world's first in structural steel moving technique'."

(Ross Chamberlain was a member of the first contingent of Athlone Fellows to be picked for training in the United Kingdom, and did post-graduate work in the Civil Engineering Department of Birmingham University under Professor Redshaw.)

**A visit to Messrs. Short Brothers & Harland Ltd., and the Engine Division of
Messrs. Harland & Wolff, Ltd., Belfast, by S. R. Swanson & T. R. Nettleton.**

(S. R. Swanson & T. R. Nettleton are Athlone Fellows of the 1956 Group, both from Toronto. Each spent two years at the College of Aeronautics, Cranfield.)

On September 27th, we visited the aircraft plant of Short Brothers and Harland, where Mr. Woolmer, the secretary, had arranged a tour for us, guided by Mr. W. J. Allen, the fatigue test engineer. Upon our arrival we were welcomed by Mr. Bissett, chief test engineer, who in turn introduced us to 'Sam' Allen.

A short discussion followed, in which we established our main interests, and also unfortunately discovered the extent of security restrictions. Our guide then took us to a typical drawing office where an enthusiastic section leader discussed office organization with us. The conversation took a very interesting trend when we asked about the qualifications of a typical drawing officer employee. Being Canadian engineers, we were keen to compare the various ways in which a young man may rise through the company, knowing that such a drawing office is fertile ground for future engineering executives. We were impressed by the combining of practical and theoretical training that takes place in this country in comparison to our own. We found that the status of such a person is very fluid here, whereas in Canada the draughtsman and the engineer are most often two entirely different categories.

Besides night school courses, the company also finances the further theoretical education of the more promising apprentices and senior personnel. We found that the firm has two such men enrolled at our College of Aeronautics at Cranfield. There is also a good deal of cooperation between Queen's University and Short Brothers in the obtaining of Higher National Certificates. There is no real counterpart to this particular qualification in Canada. This university is presently in the process of setting up an engineering faculty of its own.

From the drawing office we passed through a large machine shop to the Plastics Department. A very enthusiastic 'chargehand' then showed us many plastic components - blister canopies, wingtips, radomes, airliner windows etc., before setting up a demonstration

of the fascinating method in which a skilled craftsman formed an oval plastic airliner window. This forming is done by pneumatic suction to very close tolerances.

As we were passing through the last section of this shop, we noticed a very intricate plastic ducting assembly for the air conditioning system of the Britannia Airliner. We enquired about the forming of such an involved piece. The chargehand beamed, and related to us how this part had formerly been manufactured in two sections by the parent firm, and how a craftsman of Short Brothers had devised an improved single piece mould for it. We found this example typical of the high quality of labour existing in the British aircraft industry. It also led us to consider the Canadian labour force which through mass assembly techniques is unable, in general, to foster such initiative at this employment level.

From these subordinate shops, we arrived at the huge main assembly line. Here we were thrilled to follow through the assembly of the gigantic Britannia. Being very familiar with the assembly of relatively small aircraft at home, we were really impressed with the techniques required to assemble on such a large scale. We were surprised that dummy engine and undercarriage masses were applied to the structure at the early stages of assembly, to bring about the strain pattern which would be realized by the final aircraft. The timing in bringing together the various components of such a large bird seemed to be very carefully considered.

Many items of interest such as the Canberra and Seamew Assembly lines were unfortunately out of bounds to us, because of the security regulations.

We were, however, able to examine the huge Losenhausen tension-compression fatigue machine. This apparatus, pride of the structural test department, cost over £40,000 to purchase and install. It has a range of from five to one hundred tons, with an alternating range of fifty tons. The example shown to us was a bar of structural steel, being subjected to 10-55 tons, causing a stress of from 1.1 to 6.1 tons per square inch at a frequency of up to ten applications per second. Our former work at De Havilland Aircraft of Canada gave us a keen appreciation of the enormous capacity, and therefore the great value of the machine.

The last highlight of our tour was the recently completed high speed wind tunnel. Here an aerodynamics specialist, Mr. Biggs, took great pride in describing its operational details and performance characteristics. This tunnel represents a departure from the common intermittent tunnels we were familiar with in Canada and the United States. Here a trio of Nene 3 jet engines create a tremendous suction through the test section, causing outside air to rush through the panelled throat at velocities up to 126% of the speed of sound.

Moisture condensation and foreign matter are presently the major problems to be solved. The enthusiasm of this single member of the tunnel team assured us that these difficulties will surely be overcome.

Further discussion with Mr. Bissett and Mr. Allen took place after a most enjoyable luncheon. The many facets of the aircraft industry - design and development, fatigue problems, airload conventions and definitions, test data accuracy and reliability, and finally the differences in the British and Canadian market requirements essentially filled the afternoon. We then broke off and returned to our hotel in Belfast.

On Friday, 28th September, Short Brothers and Harland arranged a tour through the Harland and Wolff Engine Plant for us. Our guide, Mr. Bowen, was a former apprentice at this shop and was very enthusiastic about showing and telling us as much as he could. A very practical man, he didn't miss anything.

The tour started in the design office where we interviewed the chief draughtsman, a friend of Mr. Bowen. Again we had a long chat about education and technical standards. Of engineering interest was an explanation of a current problem involving serious vibration in a new turbine engine. This problem was tackled and solved in a very simple manner when our host was describing it. However for very experienced men, the problem was probably quite straightforward.

From the drawing office we proceeded to the engine test beds where a new power plant was being prepared for its initial run. We were shown the dynamometer and other test apparatus. We also noticed the supervisors and foremen with the black bowler hats which Mr. Bissett had mentioned the day before. Apparently this badge of office is an old custom in the British shipbuilding industry. Amusing at first, this system is quite practical in that both workmen and strangers definitely know who is in charge of a shop. It is similar to an officer, on board ship or on land, wearing a distinguishing hat.

Next on our itinerary, we went through the section of the shop where engine components such as cylinder heads, connecting rods, crank cases etc. were given their final machining and then assembled into major engine components. We were greatly impressed by the large milling machines, lathes, and planes. Some of the cutting processes were so slow that cooling fluids were not required. An analogy might easily be drawn between the fast and comparatively light aeroplane and the slow and heavy ship and the manner in which they seem, at a quick glance, to be constructed. We were equally awed by the sizes of drive shafts which we saw in various states of completion and also by the immenseness of the transmission gearing. We observed turbine wheels being machined and were surprised at first to notice the comparatively small outside diameter of them. However when one considers the engineering problem at hand, nothing was really out of place. Also of interest were the high capacity bridge cranes common to all heavy industry and other ships' components such as funnels, rudders, large compressed air tanks used for engine starting etc. This tour was a fitting complement to the tour which the Athlone Fellows arranged aboard the S.S. Empress of Britain (engine rooms). We have now seen marine engines being manufactured, tested and in service.

Our overall impression was that reliability for many years is a major factor in marine engine design. While it is true that equivalent horsepower aero engines will be very much smaller and lighter than these huge machines, they will have been returned "to the smelting furnaces" long before their marine counterparts require extensive repairs. Thus the aeronautical engineer must stand reminded that design, with light structures and minimum factors of safety, for comparatively short service lives, is not necessarily the most important.

After we left Mr. Bowen, we decided to visit the Royal Canadian Navy aircraft carrier, Bonaventure, now being fitted by Harland and Wolff. Our unguided tour consisted mainly of the hangar and flight deck installations which were of great interest to us. This ship will be in service with the Canadian Navy very shortly, and so we were very fortunate indeed to have had a "sneak preview" on board.

TEAR OFF SLIP

Name

Address in Canada

Name of employer

Present appointment and nature of work

Any promotion in employment since returning to Canada

ATHLONE FELLOWS 1951-1958

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Adams, E. J.	1952	Toronto	B
Affleck, R. R.	1955	British Columbia	A
Aker, D. L.	1953	Manitoba	B
Allen, L. D.	1953	Alberta	A
Almond, J.	1952	Saskatchewan	A
Amyot, L.	1955	Ecole Polytechnique	A
Armour, J. M.	1951	Toronto	A
Armstrong, M. J.	1956	Toronto	A
Arnold, J. R.	1953	British Columbia	A
Arsenault, R. A. J.	1953	Ecole Polytechnique	A
Atkins, W. R.	1957	Alberta	B
Bach, G. G.	1952	Alberta	A
Bachovzeff, C.	1951	McGill	A
Ballance, R. C.	1954	New Brunswick	A
Barry, A. L.	1958	Queen's	B
Basso, G. L.	1958	Nova Scotia Technical College	A
Bate, D. L. S.	1954	Toronto	B
Beck, H. R.	1952	Manitoba	B
Bedard, M. R.	1953	Laval	A
Belrose, S.	1953	British Columbia	B
Beneteau, P. J.	1953	Queen's	A
Bennett, R. A.	1955	Nova Scotia Technical College	A
Bessette, H.	1952	Ecole Polytechnique	B
Bigham, C. B.	1952	Queen's	A
Bjornsson, A. B.	1955	Manitoba	B
Blachford, C. W.	1953	Saskatchewan	A
Bodroghy, B. G.	1958	Toronto	B
Bolvin, F.	1951	Ecole Polytechnique	A
Borenstein, S. R.	1958	McGill	A
Bourassa, P.	1951	Ecole Polytechnique	A
Brabant, C. E.	1954	McGill	A
Breck, W. G.	1951	Queen's	B
Brisson, J. R.	1951	Laval	A
Brockley, C. A.	1952	British Columbia	B
Brown, C. J.	1958	Manitoba	A
Brown, J. A.	1956	Queen's	B
Brown, J. D.	1958	Nova Scotia Technical College	B
Brown, L. M.	1957	Toronto	A
Brown, R. L.	1953	Queen's	B
Bryce, W. W.	1954	Toronto	B
Burke, P. D.	1955	Toronto	B
Burridge, R. E.	1953	New Brunswick	A
Butcher, R. S.	1954	Nova Scotia Technical College	A
Campbell, J. E.	1955	Nova Scotia Technical College	A
Campbell, M. C.	1957	Nova Scotia Technical College	A
Cass, G. R.	1957	New Brunswick	A
diCenzo, C.	1952	New Brunswick	A
Chamberlain, R. E.	1951	McGill	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Cherry, S.	1952	Manitoba	A
Chollet, J.	1953	Laval	A
Church, P. B.	1952	Toronto	A
Churchill, R. J.	1957	Nova Scotia Technical College	A
Clark, J. C.	1953	Saskatchewan	B
Clarke, W. A.	1958	Nova Scotia Technical College	B
Cliffe, J. B.	1952	Manitoba	B
Collin, R. E.	1951	Saskatchewan	A
Corbett, F. M.	1954	McGill	B
Corneil, E. R.	1955	Queen's	A
Cossette, J. P.	1954	Ecole Polytechnique	A
Crawford, G. A.	1956	Toronto	A
Critchley, R. F.	1958	Saskatchewan	B
Cross, D. H. E.	1952	Toronto	A
Crowe, C. M.	1953	McGill	A
Davies, N. G.	1954	British Columbia	A
Dawson, D. G.	1954	Alberta	A
Dean, J. R.	1955	New Brunswick	A
DeCoursey, W. J.	1951	Alberta	A
DeLory, F. A.	1953	Toronto	B
Dessureault, J. M.	1954	Laval	A
Dietiker, W.	1955	British Columbia	A
Dodd, W. B.	1952	Toronto	B
Dooley, J. E.	1953	Toronto	B
Dowling, P. J.	1954	Toronto	B
Drummond, A. M.	1957	British Columbia	A
Dutton, V. L.	1951	Manitoba	B
Duerksen, J. H.	1958	British Columbia	A
Ellis, J. B.	1958	Toronto	A
Ellis, J. S.	1954	Queen's	B
Erb, R. B.	1952	Alberta	A
Erlebach, W. E.	1952	British Columbia	A
Fancott, R.	1957	McGill	A
Fanjoy, E. M.	1958	New Brunswick	B
Favron, J.	1953	Ecole Polytechnique	B
Fee, E. W.	1953	Toronto	A
Feir, J. E.	1952	Alberta	B
Firstbrook, W. A.	1951	Toronto	B
Fortier, P.	1957	Ecole Polytechnique	A
Foulds, J. G.	1957	Toronto	A
Fowler, A. G.	1958	British Columbia	A
Franklin, D. H.	1952	Nova Scotia Technical College	A
Fraser, D. J.	1952	Saskatchewan	A
Fraser, R. M.	1955	British Columbia	B
French, J. B.	1955	Toronto	A
Fulford, P. J.	1957	Manitoba	A
Funke, E. R. R.	1956	Queen's	A
Fytche, E. L.	1951	New Brunswick	B

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Gagne, R. E.	1956	Manitoba	B
Gartshore, I. S.	1957	British Columbia	A
Gendron, M.	1954	Laval	A
Gillespie, J. C.	1956	Manitoba	A
Godfrey, J. W. A.	1954	Manitoba	A
Grant, E. J.	1954	New Brunswick	A
Guthrie, D. A.	1955	British Columbia	A
Hale, R. C.	1956	New Brunswick	A
Halton, H. N.	1955	British Columbia	B
Ham, R. K.	1955	Toronto	A
Hanson, J. V.	1955	Toronto	A
Hardwick, J. D.	1958	Toronto	A
Harris, S. G.	1955	Toronto	B
Harris, T. M.	1957	British Columbia	B
Harrison, M. A.	1956	Toronto	B
Harvey, P.	1956	British Columbia	A
Hayes, W. F.	1955	McGill	A
Heffernan, F. J. P.	1957	McGill	A
Henderson, J. E.	1956	Queen's	B
Hill, P. G.	1953	Queen's	A
Hinse, R.	1951	Laval	A
Houle, M.	1956	Ecole Polytechnique	A
Howard, J. H. G.	1956	Queen's	A
Howard, S. G.	1956	Alberta	A
Johnson, D. W.	1957	Saskatchewan	A
Jonas, J. J.	1954	McGill	A
Jones, B. G.	1954	Saskatchewan	A
Jull, E. V.	1957	Queen's	B
Jull, G. W.	1951	Alberta	A
Jurkus, A. P.	1957	Ecole Polytechnique	A
Kenney, T. C.	1953	McGill	A
Kerr, J. A.	1952	Manitoba	A
King, G. F.	1957	Toronto	A
Klingbeil, W. W.	1954	Alberta	A
Koski, J. T.	1951	Toronto	B
Kristmanson, D. D.	1956	British Columbia	B
Labonte, R.	1955	Ecole Polytechnique	A
Lachance, L.	1958	Laval	A
Laframboise, J. E. L.	1956	Ecole Polytechnique	B
Lamarre, B.	1952	Ecole Polytechnique	A
Lane, A. D.	1956	Nova Scotia Technical College	A
Langeman, P.	1955	Saskatchewan	A
Langlois, A. P.	1956	Laval	A
Larkin, B. S.	1957	University College, London	B
LaRochelle, P.	1956	Laval	B
Laubitz, M. J.	1953	Toronto	A
Laurie, G. H.	1957	British Columbia	A
Leaist, G. T.	1951	Toronto	A
Lefcort, M. D.	1956	McGill	A
Leigh, D. C.	1951	Toronto	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Lemyre, C.	1957	Laval	A
Link, W. T.	1951	Saskatchewan	A
Lockwood, F. C.	1958	Queen's	A
Loncarevic, B. D.	1958	Toronto	B
Low, D. I. R.	1958	Queen's	B
Lowe, D. C.	1955	Toronto	B
Lund, J. A. H.	1951	British Columbia	A
MacDonald, D. H.	1951	Toronto	B
MacDonald, I. J.	1954	Queen's	A
MacKinnon, D. P.	1958	British Columbia	B
MacMillan, F. A.	1952	Queen's	B
Malet de Carteret, R.	1957	Provincial Institute of Technology and Art, Calgary	B
Markle, D. A.	1958	Alberta	A
Marleau, J. E.	1954	Ecole Polytechnique	A
Marquis, A. H.	1955	Laval	A
Marsden, D. J.	1955	Alberta	A
Matthews, A. E. P.	1958	Toronto	A
Matthews, J. N.	1951	Toronto	A
McCrae, A. M.	1957	British Columbia	B
McCully, G. R.	1951	New Brunswick	A
McDougald, R. A.	1954	Manitoba	A
McIntyre, E. H.	1953	McGill	A
McLean, D. J.	1957	Toronto	B
McLellan, P. W.	1955	Queen's	A
McNish, J. A.	1954	British Columbia	A
Merklinger, K. J.	1958	Toronto	A
Merritt, J. M.	1953	Nova Scotia Technical College	A
Mickleborough, B. W.	1956	Saskatchewan	A
Midgley, P. A. S.	1957	Queen's	A
Minty, D. H.	1951	Manitoba	A
Missen, R. W.	1953	Queen's	B
Mitchell, J.	1952	Queen's	A
Moffatt, A. J.	1951	Manitoba	A
Moffatt, T. L.	1951	Toronto	A
Molozzi, A. R.	1953	Toronto	A
Montagnon, N. B.	1951	McGill	B
Montambeault, G. A.	1952	Laval	A
Morgenstern, N.	1956	Toronto	A
Murphy, C. L.	1953	Manitoba	A
Murray, D. W.	1952	Alberta	A
Mutter, R. J.	1957	Alberta	A
Naylor, H. F.	1951	British Columbia	A
Neill, M. T.	1953	Toronto	A
Nettleton, T. R.	1956	Toronto	B
Newey, R. A.	1953	Manitoba	A
Nikiforuk, P. N.	1952	Queen's	A
Nordstrom, T. A.	1958	British Columbia	A
North, H. E. T. (formerly Tuisku, H. E.)	1955	Queen's	A
Nuttall, J. B.	1951	British Columbia	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Oates, G. C.	1954	British Columbia	A
Olson, A. T.	1953	Queen's	A
Onysko, D. M.	1957	Manitoba	A
Ower, W. N.	1956	New Brunswick	A
Pare, J. J.	1955	Laval	A
Parker, H. E.	1952	McGill	A
Parkinson, F. E.	1956	Alberta	A
Pawluk, W. S.	1958	Alberta	A
Peaker, K.	1955	Manitoba	A
Pearson, E. L.	1954	Manitoba	B
Perks, W. T.	1956	McGill	A
Pettigrew, H. C.	1954	Toronto	B
Phaneuf, M.	1958	Ecole Polytechnique	A
Piercy, G. R.	1952	British Columbia	A
Pike, J. G.	1954	Queen's	A
Pinder, K. L.	1952	McGill	A
Platt, W. A.	1957	Alberta	B
Poupard, M.	1954	Ecole Polytechnique	B
Premont, L.	1952	Laval	A
Price, P.	1955	National Aero. Estab., Ottawa	B
Prior, B. W.	1951	Toronto	A
Rayner, W. M.	1952	Toronto	A
Reynolds, A. J.	1957	Toronto	A
Rhodes, R. T.	1954	Toronto	A
Roberge, J. P. A.	1953	Laval	A
Roberts, W. G.	1958	Nova Scotia Technical College	A
Robertson, S. D.	1958	Queen's	A
Roger, R. S.	1958	British Columbia	A
Ross, G. M.	1955	McGill	A
Rousseau, J.	1952	Ecole Polytechnique	A
Rousseau, L. Z.	1954	Laval	A
Rousseau, Y. L.	1952	Ecole Polytechnique	A
Roy, A. H.	1954	Nova Scotia Technical College	A
Roy, C.	1958	Laval	A
Savard, J. Y.	1958	Laval	B
Seagram, N. M.	1958	Toronto	A
Seychuk, J. L.	1954	Manitoba	A
Shaw, D. S.	1954	Toronto	A
Shephard, R. S.	1953	New Brunswick	A
Shields, D. H.	1955	Saskatchewan	A
Shier, R. M.	1953	British Columbia	A
Shohet, M.	1957	McGill	A
Shook, C. A.	1956	Alberta	A
Simmonds, S. H.	1956	Alberta	B
Sims, G. E.	1955	Manitoba	A
Simpson, R. W.	1955	Toronto	A
Sincennes, J. J. A.	1957	Ecole Polytechnique	A
Sinclair, G. R.	1951	Queen's	A
Skoczylas, H.	1956	Queen's	A
Slingerland, F. W.	1951	Queen's	A
Smith, J. W.	1957	British Columbia	B

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Smith, K. L.	1956	British Columbia	A
Soderman, L. G.	1955	Manitoba	B
Sodomsky, K. F.	1956	Manitoba	A
Somerville, G. F.	1957	British Columbia	A
Soutar, I. A.	1958	McGill	A
Sovka, J. A.	1958	Alberta	A
Squire, J. M.	1951	McGill	A
Stephenson, D. G.	1951	Toronto	B
St. Pierre, J. A. G.	1957	Laval	A
Sutcliffe, F. H.	1955	McGill	B
Sutherland, J. P.	1956	British Columbia	A
Swanson, S. R.	1956	Toronto	B
Swift, G. W.	1953	Alberta	A
Tardif, H. P.	1951	Laval	B
Thivierge, P.	1956	Ecole Polytechnique	A
Thompson, K. M.	1953	Saskatchewan	A
Till, C. E.	1958	Saskatchewan	A
Townsend, D. L.	1953	McGill	B
Tremblay, P. E.	1958	Ecole Polytechnique	A
Tuisku, H. E. (now known as North, H. E. T.)	1955	Queen's	A
Turner, L. R.	1954	Queen's	B
Ukrainetz, P. R.	1957	Saskatchewan	A
Vachal, J. D.	1953	Nova Scotia Technical College	A
Vandalen, K.	1957	Queen's	A
Vilagos, J. P.	1955	McGill	B
Villeneuve, J. E.	1956	Laval	A
Walford, H. W.	1958	New Brunswick	A
Wallace, R. R.	1956	Toronto	A
Waller, D. H.	1952	Nova Scotia Technical College	A
Ward, G. V.	1954	British Columbia	A
Waterfield, J. W.	1957	Alberta	A
Waugh, P. J.	1951	Manitoba	A
Webb, P. P.	1955	McGill	A
Weld, G. B.	1955	Nova Scotia Technical College	A
Wexler, A.	1958	Manitoba	A
Whiteley, H. R.	1958	Queen's	A
Wilenius, G. P. T.	1956	Toronto	A
Williams, A. J.	1951	Queen's	A
Williams, G. S.	1952	McGill	A
Williamson, D. F.	1956	British Columbia	B
Williamson, K. H.	1951	Manitoba	B
Wilson, R. G.	1951	McGill	A
Wilson, W. S.	1958	McGill	A
Wonham, W. M.	1956	McGill	A
Wood, J. K.	1953	Toronto	B
Wright, A. E.	1955	British Columbia	A
Wright, G. D. T.	1952	Toronto	A
Wright, P. M.	1954	Saskatchewan	A
Young, D. D.	1953	Manitoba	A
Zames, G.	1954	McGill	A

Appendix II

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF ALBERTA				
1951 Group				
DECOURSEY, W. J.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	Box 778, Fort Saskatchewan, Alberta.	Senior Research Engineer. Dominion Sherritt - Gorden Mines Ltd., Fort Saskatchewan, Alberta. Since joining Sherritt Gorden in 1955 on his return from England, has held a variety of positions in the Chemical Metallurgical and Research and Development Divisions at Fort Saskatchewan. These have included positions as process engineer and shift supervisor in the production department, and Assistant Head of the Technical Services department of the hydrometallurgical nickel refinery. Present position is concerned with laboratory research.
JULL, G. W.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	83, Alice Street, Eastview, Ontario.	Defence Scientist - Communications, Defence Research Board.
1952 Group				
BACH, G. G.	Engineering Physics	Nuclear physics - University of Birmingham. (2 years)	Peace River, Alberta.	McGill University, Dept. of Physics.
ERB, R. B.	Civil	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	Inglewood, Ontario.	Engineering Aerodynamicist with Avro Aircraft Limited. Currently engaged in thermodynamics and structural heating problems with the Thermo-elastics group.
FEIR, J. E.	Civil	Hydro-power and river flow - Imperial College of Science and Technology. (2 years)	397, Wilbrod, Ottawa, Ontario.	Hydraulics Research, National Research Council, Ottawa.
MURRAY, D. W.	Civil	Hydromechanics - Imperial College of Science and Technology. (2 years)	10956 - 81 Avenue, Edmonton, Alberta.	University of Manitoba, Winnipeg.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF ALBERTA - continued				
1953 Group				
ALLEN, L. D.	Civil	Aerodynamics - College of Aeronautics, Cranfield. (2 years)	R. R. # 1, Penhold, Alberta.	Engineer, Canadian Westinghouse Co., Ltd., Hamilton.
SWIFT, G. W.	Electrical	Electrical Engineering - Metropolitan-Vickers Electrical Co., Ltd. Manchester. (2 years)	10106, 87th Ave., Edmonton, Alberta.	
1954 Group				
DAWSON, D. G.	Electrical	Power side of electrical engineering - British Thomson-Houston Co., Ltd., Rugby and Willesden. (2 years)	Apt. 202, 1, Heatherdale Road, Toronto 14, Ontario.	Commercial Engineer, The British Thomson Houston Co. (Canada) Ltd.
KLINGBEIL, W. W.	Civil	Theory and Design of Aircraft Structures - College of Aeronautics, Cranfield. (2 years)	9834 - 79 Ave., Edmonton, Alberta.	
1955 Group				
MARSDEN, D. J.	Engineering Physics	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	Wainwright, Alberta.	
1956 Group				
HOWARD, S. G.	Electrical	Electrical Engineering - English Electric Co. Ltd. (2 years)	1450, Westmount Blvd., Calgary, Alberta.	Still in U.K. - present address - 6, Barbara Avenue, Liverpool, 10.
PARKINSON, F. E.	Civil	Hydraulics - D. S. I. R. Hydraulics Research Station (1 year) Imperial College of Science and Technology. (1 year)	10711 - 74 Avenue, Edmonton, Alberta.	Still in U.K. - present address - London House, Guilford Street, London, W. C. 1.
SHOOK, C. A.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	14314 - 102 Ave., Edmonton, Alberta.	Assistant Professor of Applied Mechanics, University of Alberta.
SIMMONDS, S. H.	Civil	Research in Concrete Technology - Cambridge University. (17 months)	Suite 10, 9650 - 82 Ave., Edmonton, Alberta.	
1957 Group				
ATKINS, W. R.	Electrical	Light Electrical Engineering - Imperial College of Science and Technology. (2 years)	7825 - 115 Street, Edmonton, Alberta.	Still in U.K. - present address - 44, Castlebar Road, London, W. 5.

MUTTER, R. J.	Mining	Environmental Engineering - Royal College of Science and Technology, Glasgow. (1 year) The Scottish Council. (1 year)	11020 - 84 Avenue, Edmonton, Alberta.	Still in U.K. - present address - 20, Craiglockhart Loan, Edinburgh, 11.
PLATT, W. A.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	11002 - 83 Avenue, Edmonton, Alberta.	Still in U.K. - present address - 61, Abingdon Villas, London, W. 8.
WATERFIELD, J. W.	Electrical	Light Electrical Engineering - Manchester University. (2 years)	Islay, Alberta.	Still in U.K. - present address - 355, Wilbraham Road, Whalley Range, Manchester, 16.
1958 Group				
MARKLE, D. A.	Engineering Physics	Nuclear Power - University of Birmingham. (1 year) 2nd year to be arranged with a nuclear power group.	10923, 117th Street, Edmonton, Alberta.	Still in U.K. - present address - 72, Park Hill, Moseley, Birmingham.
PAWLUK, W. S.	Chemical	Petroleum Technology - Shell Refining Co., Ltd. (1 year) 2nd year to be arranged.	East Selkirk, Manitoba.	Still in U.K. - present address - Plas Newton Hostel, Plas Newton Lane, Newton by Chester, Cheshire.
SOVKA, J. A.	Chemical	Nuclear Power - University of Birmingham. (1 year) 2nd year to be arranged with a nuclear power group.	Box 460, Coaldale, Alberta.	Still in U.K. - present address - Chad Hill, 125 Harborne Road, Edgbaston, Birmingham, 15.
UNIVERSITY OF BRITISH COLUMBIA				
1951 Group				
LUND, J. A. H.	Metallurgy	Industrial metallurgy - University of Birmingham. (2 years)	2027, Westbrook Place, Vancouver, B. C.	Assistant Professor of Physical Metallurgy University of British Columbia.
NAYLOR, H. F. W.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	369, Prince Edward Drive, Toronto 18, Ontario.	A. V. Roe, Company, Malton, Ontario. (Aeronautical).
NUTTALL, J. B.	Mechanical	Hydraulics - University of Aberdeen. (1 year) Imperial College of Science and Technology. (1 year)	2456, W. 7th Avenue, Vancouver, B. C.	Working with the St. Lawrence Seaway, Montreal.
1952 Group				
BROCKLEY, C. A.	Mechanical	Machine design and strength of materials - University of Sheffield. (2 years)	3, William Hunt Avenue, Halifax, Nova Scotia.	
ERLEBACH, W. E.	Chemical	Nuclear Chemistry - University of Cambridge. (2 years)	46, Wolfe Ave., Deep River, Ontario.	Planning to work at Atomic Energy Plant, Chalk River, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF BRITISH COLUMBIA - continued				
1952 Group - continued				
PIEROY, G. R.	Engineering Physics and Metallurgy	Physical metallurgy - University of Birmingham. (2 years)	1, Frontenac St., Deep River, Ontario.	Atomic Energy of Canada Limited (research on metals).
1953 Group				
ARNOLD, J. R.	Mechanical	Mechanical engineering - The Brush Group, Ltd., Staines, Stockport, Ashton-under-Lyne and Loughborough. (2 years)	356, Hickson Ave., St. Lambert, Montreal. P.Q.	Hinde and Dauch, Paper Company of Canada Limited - Plant Engineer, Industrial Engineering.
BELROSE, S.	Electrical	Radio Physics - Cambridge University. (2 years)	1186, Dover Crescent, Ottawa, Ontario.	
SHIER, R. M.	Engineering Physics	Electrical Engineering - British Thomson Houston Co. Ltd. (2 years)	4820, Langara Ave., Vancouver, British Columbia.	
1954 Group				
DAVIES, N. G.	Engineering Physics	Electronics and Servo-mechanisms - Evershed & Vignoles Ltd. and Metropolitan Vickers Electrical Co. Ltd. (1 year) Imperial College of Science and Technology. (1 year)	520, Hilson, Ottawa, Ontario.	Defence Scientist, Communications, Defence Research Board.
MENISH, J. A.	Electrical	Electronics and Allied Equipment Business Administration - British Thomson Houston Co. Ltd. (1 year) London School of Economics. (1 year)	4946, Elgin Street, Vancouver, British Columbia.	
OATES, G. C.	Mechanical	Mixed Industrial experience. Gas Turbine and Internal Combustion Engines - Rolls Royce Ltd., Derby. (1 year) Birmingham University. (1 year)	5780, Yew Street, Vancouver, British Columbia.	
WARD, G. V.	Electrical	Electronics and Servo-mechanisms - Metropolitan Vickers Electrical Co. Ltd. (2 years, including 7 months at Imperial College of Science and Technology).	Apartment 301, 157, Hughson South, Hamilton, Ontario.	Programming analyst, application of business and engineering problems to electronic computers - Canadian Westinghouse Co. Ltd.

1955 Group				
AFFLECK, R. R.	Chemical	Chemical engineering as applied to pulp and paper industry - Wiggins, Teape & Co. Ltd., Aberdeen. (1 year) Business Administration London School of Economics. (1 year)	General Delivery, Powell River, British Columbia.	Technical Services Engineer, Powell River Co. Ltd.
DIETIKER, W.	Electrical	Servo-mechanisms and Automatic control - Manchester University. (2 years)	5503, President's Row, Vancouver, British Columbia.	University of British Columbia - lecturer in Electrical Engineering.
FRASER, R. M.	Electrical	Power Generation and distribution plant - C. A. Parsons & Co. Ltd. Reyrolles Ltd. and the Central Electricity Authority. (2 years)	6037, Churchill St., Vancouver, British Columbia.	
GUTHRIE, D. A.	Chemical	Instrument control - I.C.I. Wilton.	Suite 3, 1240 Chesterfield Road, N. Vancouver, British Columbia.	Hooker Chemical Limited, Vancouver.
HALTON, H. N.	Mechanical	Engineering Production - Birmingham University. (1 year) Vauxhall Motors Ltd. (1 year)	163, Broadway Ave., Shawinigan Falls, Quebec.	
WRIGHT, A. E.	Civil	Concrete Technology - Imperial College of Science and Technology. (1 year) Messrs. John Laing & Son Ltd. (1 year)	337, East 55th Ave., Vancouver 15, British Columbia.	
1956 Group				
HARVEY, P.	Electrical	Computer control and nuclear reactor control - Messrs. Ferranti Ltd. (1 year) Business Administration - London School of Economics. (1 year)	Box 188, Prince Rupert, British Columbia.	
KRISTMANSON, D. D.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	Gen. Del. Chapman Camp, Morrison Sub-Division, Kemmerley, British Columbia.	Still in U.K. - present address - 70, Castelnau, Barnes, S.W.13.
SMITH, K. L.	Mechanical	Nuclear Power - Metropolitan - Vickers Electrical Co. Ltd., Manchester, and Reactor School, Harwell. (1 year) Imperial College of Science and Technology. (1 year)	6, Huron St., Apt. 1, Deep River, Ontario.	Reactor Research and Development Division, Atomic Energy of Canada Ltd., Chalk River, Ontario.
SUTHERLAND, J. P.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	Box 74, Rossland, British Columbia.	Still in U.K. - present address - 89D, Fitzjohn's Avenue, Hampstead, N.W.3.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF BRITISH COLUMBIA - continued				
1956 Group - continued				
WILLIAMSON, D. F.	Chemical	Business Administration - London School of Economics. (1 year) Petroleum Refining - Shell Refining and Marketing Co. Ltd. (1 year)	495, McEwen Drive, Kingston, Ontario.	Dupont of Canada in their Nylon Plant, Kingston, Ontario.
1957 Group				
DRUMMOND, A. M.	Mechanical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	4822, Chancellor Blvd. Vancouver 8, British Columbia.	Still in U.K. - present address - College of Aeronautics, Cranfield, Bletchley, Bucks.
GARTSHORE, I. S.	Mechanical	Aeronautical Engineering - Imperial College of Science and Technology. (2 years)	2094, Quilchena Cres. Vancouver, 13, British Columbia.	Still in U.K. - present address - 15, Torrington Square, London, W.C.1.
HARRIS, T. M.	Engineering Physics	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	Hallert Road, Matesqui, British Columbia.	Still in U.K. - present address - 8, Willen Road, Newport Pagnell, Bucks.
LAURIE, G. H.	Metallurgy	Metallurgy - Birmingham University. (2 years)	219 - 13 Ave., Cranbrook, British Columbia.	Still in U.K. - present address - 11, Priory Road, Edgbaston, Birmingham, 15.
MCCRAE, A. M.	Civil	Civil Engineering - Crawley Development Corporation. (8 months) Messrs. Lemon & Blizzard, Civil Engineers. (8 months) Royal College of Science and Technology, Glasgow. (1 year)	R.R.1, Osoyoos, British Columbia.	Still in U.K. - present address - c/o Royal College of Science and Technology, Dept. of Mechanical, Civil, and Chemical Engineering Glasgow, C.1.
SMITH, J. W.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	c/o T. W. Smith, 716, S. Norah St., Fort William, Ontario.	Still in U.K. - present address - 61, Abingdon Villas, London, W.8.
SOMERVILLE, G. F.	Chemical	Chemical Engineering - Monsanto Chemicals Ltd. (1 year) Messrs. Cremer and Warner. (1 year)	2677, Lawson Ave., West, Vancouver, British Columbia.	Still in U.K. - present address - c/o Messrs. Cremer and Warner, 17, Queen Anne's Gate, Westminster, S.W.1.
1958 Group				
DUERKSEN, J. H.	Chemical	Chemical Engineering - W. J. Fraser & Co., Ltd. (1 year) 2nd year to be arranged, but may remain with Fraser's.	6234, 198th Street, R.R.4, Langley, British Columbia.	Still in U.K. - present address - 41, Reedpond Walk, Gidea Park, Romford, Essex.

FOWLER, A. G.	Electrical	Nuclear Power - University of Birmingham. (1 year) 2nd year to be arranged with a nuclear power group.	R.R.4, Sardis, British Columbia.	Still in U.K. - present address - 142, Bristol Road, Birmingham, 5.
MACKINNON, D. P.	Mechanical	Mechanical Engineering - British Railways, London Midland Region. (1 year) 2nd year to be arranged at University.	2515, West 14th Avenue, Vancouver, British Columbia.	Still in U.K. - present address - 98, Nantwich Road, Crewe, Cheshire.
NORDSTROM, T. A.	Electrical	Electrical Engineering - General Electric Co., Ltd. (2 years)	R.R.3, Armstrong, British Columbia.	Still in U.K. - present address - 12, While Road, Sutton Coldfield, Warwickshire.
ROGER, R. S.	Electrical	Electrical Engineering - University of Manchester, Jodrell Bank Experimental Station. (2 years)	R.R. Box 750, Skaha Lake, Penticton, British Columbia.	Still in U.K. - present address - The Laurels, 4, Albert Road, Wilmslow, Cheshire.
ECOLE POLYTECHNIQUE				
1951 Group				
BOIVIN, F.	Mechanical	Electronic Control Mechanisms - Imperial College of Science and Technology. (1 year) Evershed & Vignoles Ltd., London. (8 months) British Thomson - Houston Ltd., Rugby. (4 months)	2241 Cadillac Street, Montreal, 5.	Bell Telephone Co., Montreal.
BOURASSA, P.	Mechanical	Mechanical Engineering - Imperial College of Science and Technology. (1 year) Leyland Motors Ltd., Leyland, Lancs. (1 year)	245, Champlain Street, St. Jean, Quebec.	Dominion Engineering Works Ltd., Lachine, Quebec.
1952 Group				
BESSETTE, H.	Mechanical and electrical	Steam power engineering - Imperial College of Science and Technology. (4 months) John Thompson Ltd., Wolverhampton. (12 months) British Electricity Authority, Birmingham. (3 months) E. Green and Son Ltd., Wakefield (1 month) George Kent Ltd., Luton (5 weeks)	6896 - 9th Avenue, Rosemount, Montreal, Quebec.	Dominion Bridge Co., Lachine, Quebec.
LAMARRE, B.	Civil	Concrete Technology - Imperial College of Science and Technology. (2 years)	56, Ave Crestwood, Montreal West.	Structural designer - Lalonde and Valois, Consulting Engineers, 615, Belmont St., Montreal.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
ECOLE POLYTECHNIQUE - continued				
1952 Group - continued				
ROUSSEAU, J.	Mechanical and electrical	Aircraft propulsion - College of Aeronautics, Cranfield. (2 years)	107, Stephens Drive, Toronto, Ontario.	Orenda Engines Co. Ltd., Malton, Ontario - Specialist Engines, systems analysis.
ROUSSEAU, Y. L.	Civil	Production engineering - Brush ABOE Group Services, Ltd., Loughborough, Ashton-under-Lyne and Staines. (1 year) University of Birmingham. (1 year)	5561 Basil Patenaude Square, Apt. 203, Toronto, Ontario.	Cecil Carpenter, Contractors, Montreal, Quebec.
1953 Group				
ARSENAULT, R. A. J.	Mechanical and electrical	Marine engineering - Royal Technical College, Glasgow. (1 year) Fairfield Shipbuilding and Engineering Co. Ltd., Glasgow. (1 year)	288, du Prince Street, Sorel, P.Q.	Mechanical Design Engineer - Quebec Iron and Titanium Corporation, Sorel, Quebec.
FAVRON, J.	Mechanical and electrical	Aeronautical engineering - Messrs. de Havilland Co. Ltd., Vickers-Armstrong Ltd., Weybridge. (4 months) (1 year)	10167, Tolhurst Street, Montreal, Quebec.	Aircraft Designer, Canadair Limited, Montreal, Quebec.
1954 Group				
COSSETTE, J. P.	Mechanical and electrical	Production Engineering - Birmingham University (1 year) The Brush Group Limited, Ashton-under-Lyne and Stockport (10 months) Sheffield University (2 months)	Sixteen Island Lake, Co. Argenteuil, P.Q.	
MARLEAU, J. E.	Mechanical and electrical	Metallurgy of non-ferrous metals and industrial experience in the production and fabrication of aluminium - Birmingham University. (1 year) Northern Aluminium Co., Ltd., Rogerstone. (1 year)	182, Burma St., Arvida, P.Q.	Assistant Process Engineer, Aluminum Company of Canada Ltd.
POUPARD, M.	Mechanical	Mechanical Engineering - Brush Group Ltd., Ashton-under-Lyne and Loughborough and University of Sheffield. (1 year)	2303, Joliette Street, Montreal, P.Q.	Ecole Polytechnique, 1430, St. Denis Street, Montreal, Quebec.

1955 Group				
AMYOT, L.	Mechanical and electrical	Nuclear Power - Metropolitan-Vickers Electrical Co. Ltd., Manchester, and A.E.I. Research Establishment, Aldermaston. (1 year) Birmingham University. (1 year)	708, Melrose St., Verdun, Quebec.	
LABONTE, R.	Civil	Public Health engineering and Concrete Technology - Imperial College of Science and Technology, (19 months) Messrs. Sandford, Fawcett and Partners. (4 months)	8403, Waverly Street, Montreal, P.Q.	Assistant-Professor in Sanitary Engineering, Ecole Polytechnique, 1430 St. Davis St.
1956 Group				
HOULE, M.	Electrical	Micro-wave, mobile equipment, radar, etc. - Marconi's Wireless Telegraph Co. Ltd. (1 year) Production Engineering - Birmingham University. (1 year)	675, Fontainebleau Street, Duvernay, P.Q.	
LAFRAMBOISE, J. E. L.	Electro-mechanical	Aeronautics - Imperial College of Science and Technology. (2 years)	1570, Lecorbusier, Ste-Foy, R.R.1., Quebec.	Still in U.K. - present address - 38, Cranley Gardens, S.W.7.
THIVIERGE, P.	Mechanical	Steam Turbines - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - Birmingham University. (1 year)	8140, Lajeunesse Street, Montreal, P.Q.	
1957 Group				
FORTIER, P.	Electrical and mechanical	Nuclear Power - Imperial College of Science and Technology. (2 years)	8775, Berri, Montreal, P. Quebec.	Still in U.K. - present address - 4, Hillcroft Crescent, London, W.5.
JURKUS, A. P.	Electrical and mechanical	Light Electrical Engineering - University of Sheffield. (2 years)	1451, Crawford Bridge Ave., Verdun, P. Quebec.	Still in U.K. - present address - 7, Junction Road, Sheffield, 11.
SINCENNES, J. J. A.	Civil	Reinforced and prestressed concrete and Constructional Engineering - Imperial College of Science and Technology. (2 years)	4635, d'Orleans St., Montreal, P. Quebec.	Still in U.K. - present address - 44, Castlebar Road, London, W.5.
1958 Group				
PHANEUF, M.	Mechanical and electrical	Engineering Production - University of Birmingham. (1 year) 2nd year in industry to be arranged.	10748, Grande-Allée, Montreal, P. Quebec.	Still in U.K. - present address - 72, Park Hill, Moseley, Birmingham.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
ECOLE POLYTECHNIQUE - continued				
1953 Group - continued				
TREMBLAY, P. E.	Mechanical and electrical	Nuclear Power - Imperial College of Science and Technology. (1 year) 2nd year to be arranged with a nuclear power group.	605, 111th Street, Shawinigan-Sud, P. Quebec.	Still in U.K. - present address - 70, Castelnau, Barnes, S.W.13.
LAVAL UNIVERSITY				
1951 Group				
BRISSON, J. R.	Chemical	Chemical engineering - University College, London. (3 months) Imperial Chemical Industries, Ltd., Billingham. (1 year, 2 months)	980, rue Raymond Casgrain, Apt. 5, Quebec.	Canadian Arsenals Ltd., Palace Hill, Quebec.
HINSE, R.	Mining	Metalliferous Mining and Metallurgy of Iron and Steel - Stewarts and Lloyds Ltd., Corby. (1 year) Royal Technical College, Glasgow. (3 months) Industrial Metallurgy - University of Birmingham. (2 years)	724, Flynn Street, Quebec City, P. Quebec.	Campbell Chibougaman Mines Ltd. Chibougaman, Quebec.
TARDIF, H. P.	Metallurgy		457, rue Jean Dequen, Quebec 10, P.Q.	C.A.R.D.E., Valcartier, Quebec - Head, Materials Laboratory, Metallurgical Research.
1952 Group				
MONTAMBEAULT, G. A.	Mining	Mining engineering - Stewarts and Lloyds Ltd., Corby. (8 months) Holman Bros., Camborne. (6 weeks) Camborne School of Metalliferous Mining. (8 months)	2, Tamarac, #4, Shawinigan Falls, Quebec.	Canadian Industries Limited, Shawinigan Falls, Quebec.
PREMONT, L.	Chemical	Chemical engineering - University of Cambridge. (9 months) J. and E. Hall Ltd., Dartford. Monsanto Chemicals Ltd., Ruabon, Wrexham. (1 year)	St. Jean, Ile d'Orleans, Quebec.	C.A.R.D.E., Valcartier, Quebec.

1953 Group				
BEDARD, M. R.	Civil	Heating and ventilating engineering - National College for Heating, Ventilating, Refrigeration and Fan Engineering, London. (2 years)	604, Rue St. Jean, Room 205, Quebec 4, P.Q.	Messrs. Paquet and Bedard, Consulting Engineers, 604, Rue St. Jean, Quebec 4, P.Q.
CHOLLET, J.	Chemical	Chemical engineering - Power Gas Corporation Ltd. (1 year) Imperial Chemical Industries Ltd., Billingham, Co. Durham. (1 year)	3224-4th Ave., Quebec City, P.Q.	Anglo-Canadian Pulp and Paper Mills Ltd., 10, Boulevard des Capucins, Quebec - Development Engineer, Process Department.
ROBERGE, J. P. A.	Civil	Concrete Technology - Richard Costain Ltd., (1 year) Imperial College of Science and Technology. (1 year)	885, Avenue Begin, Quebec, P.Q.	Structural Designer, Dufresne - Mainigny, Consulting Engineers.
1954 Group				
DESSUREAULT, J. M.	Industrial Metallurgy	Metallurgy of Ferrous Metals - Birmingham University. (2 years)	701, 5th Avenue, Grand' Mere, P. Quebec.	
GENDRON, M.	Civil	Steel and Concrete Structures - Imperial College of Science and Technology. (1 year)	99, De Calliers Street, Quebec City, P.Q.	
ROUSSEAU, L. "Z.	Forest	Forestry Research - Oxford University. (2 years)	271, Laurier Ave., Quebec.	
1955 Group				
MARQUIS, A. H.	Metallurgy	Metallurgy - Birmingham University. (1 year)	1902, Premiere Avenue, Quebec, P.Q.	Soil Engineer, Quebec Highway Department.
PARE, J. J.	Civil	Concrete technology and Soil Mechanics - Imperial College of Science and Technology. (2 years)	1170, 25th Street, Quebec, P.Q.	
1956 Group				
LANGLOIS, A. P.	Civil	Business Administration - London School of Economics. (1 year) Hydro Power - Imperial College of Science and Technology. (1 year)	660, Ave., Eymard, Katevale, P.Q.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
LAROCHELLE, P.	Civil	Soil Mechanics - Imperial College of Science and Technology. (2 years)	584, St. John Street, Quebec, P.Q.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
LAVAL UNIVERSITY - continued				
1956 Group - continued				
VILLENEUVE, J. E.	Civil	Concrete Technology and Construction - Imperial College of Science and Technology. (1 year) Holland, and Hammen and Cubitt. (1 year)	7, Monument Ave., Quebec, S. P.Q.	
1957 Group				
LEMYRE, C.	Electrical	Servomechanisms - Imperial College of Science and Technology. (2 years)	2584, Papineau, Shawinigan Falls, Quebec.	Still in U.K. - present address - 44, Norland Square, London, W.11.
ST. PIERRE, J. A. G.	Civil	Reinforced and prestressed concrete - Imperial College of Science and Technology. (2 years)	19, Lavigne St., Victoriaville, P. Quebec.	Still in U.K. - present address - 70, Castelnaud, Barnes, S.W.13.
1958 Group				
LACHANCE, L.	Civil	Civil Engineering - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	Saint Jean, Ile d'Orleans, P. Quebec.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
ROY, C.	Engineering Metallurgy	Metallurgy - Imperial College of Science and Technology, Royal School of Mines. (1 year) 2nd year to be arranged with the English Electric Company.	St. Gervais, Co. Bellechasse, Quebec.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
SAVARD, J. Y.	Electrical	Electrical Engineering - University College, London. (2 years)	769, 122nd Street, Quebec 5, P. Quebec.	Still in U.K. - present address - 51, Bradley Gardens, London, W.13.
UNIVERSITY OF MANITOBA				
1951 Group				
DUTTON, V. L.	Civil	Hydraulics and Structural Engineering - James Williamson & Partners, Glasgow. (1 year) University of Cambridge. (1 year)	University of Manitoba, Winnipeg.	University of Manitoba, Winnipeg.
MINTY, D. H.	Mechanical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	Box 33, Onanole, Manitoba.	Adalis Limited, 1410 Stanley Street, Montreal 2, Quebec.

MORFAT, A. J.	Electrical	Design, Testing, Manufacture and Installation of Electrical Equipment - British Thomson-Houston Co. Ltd., Rugby and Rugby Technical College. (2 years)	196, Leighton Avenue, East Kildonan, Manitoba.	Canadian Westinghouse Ltd. Hamilton, Ontario.
WAUGH, P. J.	Mechanical	Aircraft Engineering - English Electric Co. Ltd. (2 years)	137, Girton Boulevard, Tuxedo, Manitoba.	Engineering Department, De Havilland Aircraft Co. of Canada, Toronto.
WILLIAMSON, K. H.	Electrical	Telephone Engineering - Siemens Bros. & Co. Ltd., Woolwich. (2 years)	70, Vivian Avenue, Winnipeg 8.	Manitoba Telephone System (on loan to Bell Telephone Co. of Canada, in Montreal).
1952 Group				
BECK, H. R.	Electrical	Light electrical engineering. Railway Signalling Practice. Manufacture of Signalling Equipment - Imperial College of Science and Technology. (10 months) Westinghouse Brake and Signal Co. London. (1 month) Metropolitan-Vickers - G.R.S. Ltd., London. (1 month) Siemens and General Electric Railway Signal Co. Ltd., Wembley. (3 months) British Railways. (9 months)	Apt. 21, 18, Dorval Avenue, Dorval, Quebec.	Assistant Signal Engineer (System). Railway Signal Engineering, Canadian National Railways, Chief Engineer's Office, Montreal P. Quebec. 1954 - promotion on return to Canada to Assistant Signal Engineer, Central Region, Toronto. 1957 - promoted to Assistant Signal Engineer, Montreal.
CHERRY, S.	Civil	Structural Research - University of Bristol. (2 years)	c/o Civil Engineering Dept., University of British Columbia, Vancouver 8, B.C.	Assistant Professor, Civil Engineering Dept., University of British Columbia, Vancouver 8, B.C.
CLIFFE, J. B.	Electrical	Gas Turbine Technology - Imperial College of Science and Technology. (1 year) National Gas Turbine Establishment, Farnborough. (1 year)	226, Kensington Street, Winnipeg, Manitoba.	Assistant Professor of Civil Engineering, Civil Engineering Department, University of Manitoba, Winnipeg 9, Manitoba.
KERR, J. A.	Civil	Hydraulic engineering - Imperial College of Science and Technology. (16 months) Sir William Halcrow & Partners, London. (8 months)	9738, 111 St. Edmonton, Alberta.	Civil, Hydraulic and Sanitary Engineer, Stanley, Grimble and Roblin, Consulting Engineers.
1953 Group				
AKER, D. L.	Electrical	Automatic controls - A. Reyrolle & Co. Ltd., Hebburn. (1 year) Evershed and Vignoles Ltd., Chiswick. (6 months) English Electric Co. Ltd. (6 months)	182, Burma St., Arvida, Quebec.	Electrical Engineer, ... Electrical Dept., Engineering and Estimating Section, Aluminum Co. of Canada.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF MANITOBA - continued				
1953 Group - continued				
MURPHY, C. L.	Mechanical	General engineering and Gas Turbine Technology - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Imperial College of Science and Technology. (1 year)	226, Waterloo Street, Winnipeg, Manitoba.	Performance Engineer, Orenda Engines Co.
NEWBY, R. A.	Mechanical	Steam Turbines - C. A. Parsons & Co. Ltd., Newcastle-upon-Tyne. (2 years)	525, Manchester Boulevard, Fort Garry, Winnipeg, 9, Manitoba.	Dominion Engineering Works Ltd Ltd., (Hydraulic Division) Lachine, Montreal 32.
YOUNG, D. D.	Mechanical	Automobile Design and Production-Routes Group (Humber Ltd., Coventry). (2 years)	Box 27, Brownsburg, P. Q.	Project Engineer (Design and development of high explosives manufacturing machines). Explosives Division, Canadian Industries Limited.
1954 Group				
GODFREY, J. W. A.	Electrical	Electronics - British Thomson Houston Co. Ltd., Rugby. (2 years)	554, Elm Street, Winnipeg, 9, Manitoba.	Canadian General Electric Co. Ltd., Apparatus Division, Manufacturing Engineering Dept., Peterborough, Ontario.
MCDUGALD, R. A.	Mechanical	Steam Turbine Industry - C. A. Parsons & Co. Ltd. (1 year) Engineering Production - Birmingham University. (1 year)	578, Pagan Ave., Peterborough, Ontario.	
PEARSON, E. L.	Mechanical	General Mechanical Engineering - Messrs. Fraser and Chalmers Ltd., Erith. (2 years)	653, Valour Road, Winnipeg, Manitoba.	
SEYCHUK, J. L.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) George Wimpey & Co. Ltd., Southall. (1 year)	c/o Geocon Ltd., 14 Haas Road, Rexdale, Ontario.	Senior Soils Engineer in Soil Mechanics & Foundations, Geocon Limited.
1955 Group				
BJORNSSON, A. B.	Civil	Soil Mechanics and Steel Design - Imperial College of Science and Technology. (1 year) Structural Analysis. (1 year) Cleveland Bridge & Engineering Co. Ltd. (1 year)	853, Sherburn Street, Winnipeg 10, Manitoba.	Dominion Bridge Co. Ltd., Winnipeg, Manitoba - Structural Steel Design.

PEAKER, K.	Civil	Highway Engineering and Soil Mechanics - Imperial College of Science and Technology. (1 year) Sir Robert McAlpine & Sons Ltd. (4 months) Richard Costain Ltd., London. (6 months)	Box 211, Riverton, Manitoba.	
SIMS, G. E.	Mechanical	Nuclear Power - A.E.I. John Thompson Industrial and Nuclear Energy Group, Sale. (20 months) Kennedy and Donkin Ltd., Edinburgh. (4 months)	906, Strathcona Street, Winnipeg, Manitoba.	
SODERMAN, L. G.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) George Wimpey & Co. Ltd., Southall. (3 months)	Minaki, Ontario.	Still in U.K. - present address - 14, Harold Road, London, S.E.19.
1956 Group				
GAGNE, R. E.	Engineering Physics	Computers and Servo-mechanisms - Imperial College of Science and Technology. (2 years)	11, O'Meara Street, Winnipeg, Manitoba.	
GILLESPIE, J. C.	Electrical Engineering (Communications)	Communications - University College, London. (1 year) General Electric Co. Ltd. (1 year)	696, Academy Road, Winnipeg 9, Manitoba.	
SODOMSKY, K. F.	Engineering Physics	Electrical Communications - Imperial College of Science and Technology. (2 years)	176, McAdam Avenue, Winnipeg 4, Manitoba.	Still in U.K. - present address - 14, Dorchester Court, Herne Hill, S.E.24.
1957 Group				
FULFORD, P. J.	Mechanical	Nuclear Power - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)	118, Noble Ave., Winnipeg 5, Manitoba.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
ONYSKO, D. M.	Civil	Prestressed Concrete - Imperial College of Science and Technology. (1 year) Messrs. Ove Arup and Partners. (1 year)	Riverton, Manitoba.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
1958 Group				
BROWN, C. J.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) 2nd year to be arranged at University of Birmingham.	Suite 6, Logan Avenue, Winnipeg 2, Manitoba.	Still in U.K. - present address - 126, Sandy Lane, Chorlton-cum-Hardy, Manchester, 21.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF MANITOBA - continued				
1953 Group - continued				
WEXLER, A.	Electrical	Electrical Engineering - Imperial College of Science and Technology. (1 year) Will probably remain at Imperial College for second year.	322, Cathedral Avenue, Winnipeg 4, Manitoba.	Still in U.K. - present address - 6a, Westgate Terrace, London, S.W.10.
MCGILL UNIVERSITY				
1951 Group				
BACHOVZEFF, C.	Mechanical	Mechanical Engineering - Metrology and Administration - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) College of Technology, Manchester. (1 year)	9097, La Salle Boulevard, Ville La Salle, Montreal, P.Q.	Technical Department, Aluminum Co. of Canada. Arvida, Quebec.
CHAMBERLAIN, R. E.	Civil	Structural analysis - University of Birmingham and Vickers- Armstrongs, Ltd., Weybridge. (2 years)	4339, King Edward Avenue, Montreal 28, P.Q.	Dominion Bridge Co., P.O. Box 280, Montreal, Quebec.
MONTAGNON, N. B.	Electrical	Electronic Circuitry - British Thomson Houston Co., Ltd., Rugby. (2 years)	49, Daniel Street, Arnprior, Ontario.	Engineering Consultant, Quality Control Department, Computing Devices of Canada Limited.
SQUIRE, J. M.	Mechanical	Engineering Practice and Thermodynamics - Metropolitan- Vickers Electrical Co. Ltd., Manchester. (1 year) University of Birmingham. (1 year)	22, Winchester Avenue, Westmount, Montreal 6, Quebec.	Canadian General Electric, Major Appliance Dept., 5781, Notre Dame Street, East, Montreal 5, Quebec.
WILSON, R. G.	Mechanical	Aeronautics - College of Aeronautics, Cranfield. (2 years)	29, Queen's Road, Valois, Montreal 33, P.Q.	Canadair Ltd., Montreal, Quebec.
1952 Group				
PARKER, H. E.	Mechanical	Aircraft Design and Propulsion - College of Aeronautics, Cranfield. (2 years)	4166, Kingston Avenue, Montreal.	Pulp and Paper Research Institute of Canada, 3420, University Street, Montreal, P. Quebec.
PINDER, K. L.	Chemical	Chemical engineering - University of Birmingham. (2 years)	Apt. H. Spruce Cliff Apts., 27, Hemlock Crescent, Calgary, Alberta.	

WILLIAMS, G. S.	Mechanical	Gas Turbine Industry and Engineering Production and Management - Messrs. Rolls Royce Limited, Derby. (1 year) University of Birmingham. (1 year)	605, Abercorn Avenue, Town of Mount Royal, Montreal 16, Quebec.	Northern Electric Co. Ltd., 1261, Shearer Street, Montreal, Quebec.
1953 Group				
CROWE, C. M.	Chemical	Physical Chemistry - Cambridge University. (2 years)	156, Ballantyne Ave. South, Montreal West, P.Q.	Development Engineer, DuPont Company of Canada Ltd., Maitland, Ontario. Is work- ing on problems of improving the yield of chemical reac- tions at DuPont's nylon intermediate plant. Started September, 1957.
KENNEY, T. C.	Civil	Soil mechanics and foundations - Imperial College of Science and Technology. (2 years)	591, Desauldiers Boulevard, St. Lambert, Quebec.	Engineer, Canadian Steel Co. Ltd., Box 98, Hochelaga, Montreal 4.
MCINTYRE, E. H.	Metallurgical	Industrial metallurgy - Birmingham University. (1 year) United Steel Companies Ltd. (attached to Steel, Peech and Tozer Works). (1 year)	Apt. 7, 2057 Mansfield St., Montreal 2, Quebec.	
TOWNSEND, D. L.	Civil	Soil Mechanics, Foundation Engineering - Imperial College of Science and Technology. (1 year) John Mowlem & Co. Ltd., and Soil Mechanics Ltd. (1 year)	Civil Engineering Dept., Queen's University, Kingston, Ontario.	Assistant Professor, Civil Engineering Dept., Queen's University, Kingston, Ontario.
1954 Group				
BRABANT, C. E.	Engineering Physics and Electrical	Electronics and Servo-mechanisms - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Manchester University. (1 year)	319, Fisher Building, Detroit 2, Mich., U.S.A.	Sales Technical Specialist, Electronic Digital Computers, Electro Data Division of Burroughs Corporation.
CORBETT, F. M.	Electrical	Electrical Engineering (Switch gear and rectifiers) - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) The British Thomson Houston Co. Ltd., Rugby. (5 months)	4643, Sherbrooke St. W., Apt. 2, Westmount, Quebec.	A senior engineer, Electrical Division, General Engineering Dept., Aluminum Co. of Canada Ltd. (Design of power installations). Was promoted on return to a fairly responsi- ble level. No subsequent promotion so far.
JONAS, J. J.	Metallurgical	Administration, Management and Production - Steel Company of Wales, Ltd. (1 year) Cambridge University. (1 year)	401, Côte St. Catherine Road, Montreal, Quebec.	Still in U.K. - present address - Calus College, Cambridge.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED.
McGILL UNIVERSITY - continued				
1954 Group - continued				
ZAMES, G.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	3000, Maplewood Avenue, Apt. 7, Montreal, Quebec.	
1955 Group				
HAYES, W. F.	Mechanical	Aeronautical Engineering (Aircraft propulsion) College of Aeronautics, Cranfield. (2 years)	120, St. Jean Basco, Apt. 15, Ste. Foy., Quebec City 10, Quebec.	
ROSS, G. MCK	Electrical	Telecommunications - Standard Telephones and Cables Ltd., Woolwich and Woolwich Polytechnic. (2 years)	Standard Telephones & Cables, c/o Superintendent Canadian National Telegraphs, St. Johns, Newfoundland.	Field Engineer for Standard Telephones & Cables mfg. Co. (Canada) Ltd., St. John's, Newfoundland, during the installation and testing of the new Microwave system from Sydney, N.S. to St. John's, Newfoundland.
SUTCLIFFE, F. H.	Civil	Concrete Technology - Imperial College of Science and Technology. (1 year) Messrs. E. J. Cook & Co. Ltd., London. (1 year)	10680, St. Denis St., Montreal, P. Q.	Structural engineer - bridges. Foundation of Canada Engineering Corporation.
VILAGOS, J. P.	Mechanical	Production Engineering and Management - Birmingham University. (1 year) Metropolitan-Cammell Carriage & Wagon Co. Ltd., Birmingham. (7 months) London Transport Executive. (4 months)	350, Graham Blvd., Apt. 301, Town of Mount Royal, Montreal, P. Quebec.	Mechanical engineer (Shop Methods), Canadian National Railways. Was promoted from Trainee Engineer to Mechanical Engineer, on February 1st, 1958.
WEBB, P. P.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	334, Stanstead Ave., Montreal, P. Q.	
1956 Group				
LEFCOFT, M. D.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - Birmingham University. (1 year)	641, Roslyn Ave., Montreal, P. Q.	

PERKS, W. T.	Civil	Municipal Engineering - City Engineer's Department, Bradford. (1 year) Civic Design - University of Liverpool. (1 year) Control Engineering - Cambridge University. (2 years)	5837, Terrebonne Ave., Montreal, P. Q.	Still in U.K. - present address - 28, Park Road, West Kirby, Cheshire.
WONHAM, W. M.	Electrical		28, Thornhill Ave., Westmount, P. Q.	Still in U.K. - present address - Trinity Old Field, Grange Road, Cambridge.
1957 Group				
FANCOTT, R.	Mechanical	Nuclear Power - Imperial College of Science and Technology. (1 year) Messrs. Ewbank & Partners Ltd., (1 year)	119, Cedar Ave., Pointe Claire, Montreal, P. Q.	Still in U.K. - present address - 5, Redesdale Street, London, S.W.3.
HEFFERNAN, F. J. P.	Civil	Soil Mechanics and Business Administration - Imperial College of Science and Technology. (1 year) London School of Economics. (1 year)	8623, Reims Street, Montreal, P. Q.	Still in U.K. - present address - 57, Eyot Gardens, St. Peter's Square, London, W.6.
SHOHET, M.	Civil	Mechanical Engineering - The Steel Company of Wales Ltd. (1 year) Imperial College of Science and Technology. (1 year)	5562, Borden Avenue, Cote St. Luc, Quebec.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
1958 Group				
BORENSTEIN, S. R.	Engineering Physics	Nuclear Power - Imperial College of Science and Technology. (1 year) 2nd year to be arranged with a nuclear power group.	5272, Musset Avenue, Montreal, P. Quebec.	Still in U.K. - present address - 6A, Westgate Terrace, London, S.W.10.
SOUTAR, I. A.	Mining Engineering	Business Administration - London School of Economics. (1 year) 2nd year to be arranged.	117, Coulston Avenue, Asbestos, P. Quebec.	Still in U.K. - present address - 38, Phillimore Walk, London, W.8.
WILSON, W. S.	Engineering Metallurgy	Metallurgy - English Steel Corporation Ltd. (1 year) 2nd year to be arranged.	227, Strathearn Ave., Montreal, P. Quebec.	Still in U.K. - present address - 86, Dalewood Road, Sheffield, 8.
NATIONAL AERONAUTICAL ESTABLISHMENT				
1955 Group				
PRICE, P.	Aeronautical	Aerodynamics - Royal Aircraft Establishment, Farnborough. (2 years)	Apartment 403, Selkirk Apartments, 50, Selkirk Ave., Eastview, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF NEW BRUNSWICK				
1951 Group				
FYTCH, E. L.	Electrical	Electrical Engineering - Protection Engineering and System Interconnection - British Electricity Authority. (2 years)	Barrington, Nova Scotia.	L. and P. Company, Rio de Janeiro Tramways, Caixa, Postal 571, Rio de Janeiro, Brazil.
1952 Group				
MCCULLY, G. R.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)	Lincoln Laboratories, M.I.T. Cambridge, Mass, U.S.A.	M.I.T., Cambridge, Mass, U.S.A.
DICENZO, C. D.	Electrical	Servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	1454, Laperriere Ave., Ottawa, Ontario.	Having completed a three year engineering lecturing appointment at the Royal Military College of Canada, is now Electrical Staff Officer, National Defence Headquarters, Ottawa. Obtained M.Sc. from University of New Brunswick in 1957.
1953 Group				
BURRIDGE, R. E.	Electrical	Electrical Engineering - British Thomson Houston Co. Ltd., Rugby. (Continued studies at Rugby Technical College). (2 years)	191, Aberdeen St., Fredericton, New Brunswick.	Assistant Professor, Dept. of Electrical Engineering, University of New Brunswick.
SHEPHARD, R. S.	Civil	Papermaking and Paper Mill Machinery and Business Administration - Walmsleys (Bury) Ltd. (3 months) Courtaulds Ltd., Coventry. (1 month) Bertrams Ltd., Edinburgh. (7 months) London School of Economics. (1 year)	8 - 17th Avenue, Edmundston, New Brunswick.	Central Engineering Office, Fraser Companies Ltd., Edmundston, New Brunswick.
1954 Group				
BALLANCE, R. C.	Civil	Public Health Engineering - Imperial College of Science and Technology. (2 years)	R.R.#6, Fredericton, New Brunswick.	Assistant Professor of Civil Engineering, University of New Brunswick.

GRANT, E. J.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) The Pre-stressed Concrete Co. Ltd., London. (10 months)	4962, Cavendish Blvd., N.D.G., Montreal.	Structural Engineer, Foundation of Canada, Engineering Corporation Ltd.
1955 Group				
DEAN, J. R.	Mechanical	Steam Turbines and Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) Birmingham University. (1 year)	160, Forest Hill, Fredericton, New Brunswick.	
1956 Group				
HALE, R. C.	Civil	Business Administration - London School of Economics. (1 year) Civil Engineering (Structures) - Cleveland Bridge and Engineering Co. Ltd. (1 year)	Mitchell Apartments, Apartment D-8, Mitchell Street, Saint John, New Brunswick.	
OWER, W. N.	Mechanical	Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) Birmingham University. (1 year)	208, Gowan Ave., Toronto, Ontario.	
1957 Group				
CASS, G. R.	Electrical	Light Electrical Engineering - Imperial College of Science and Technology. (2 years)	75, Steadman St., Moncton, New Brunswick.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
1958 Group				
FANJOY, E. M.	Electrical	Electrical Engineering - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	6, Brunswick Place, Saint John, N.B.	Still in U.K. - present address - 8, Marloes Road, London, W.8.
WALFORD, H. W.	Civil	Mechanical Engineering - National College for Heating, Ventilating, Refrigeration and Fan Engineering. (1 year) 2nd year to be arranged.	c/o Mr. L. A. White, R.R.6, Woodstock Road, Fredericton, N.B.	Still in U.K. - present address - 21, Strathleven Road, London, S.W.2.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
NOVA SCOTIA TECHNICAL COLLEGE				
1951 Group - Nil				
1952 Group				
FRANKLIN, D. H.	Civil	Structural Engineering - Imperial College of Science and Technology. (1 year) Sir William Arrol & Co. Ltd., Glasgow. (6 months) Scott and Wilson, Kirkpatrick and Partners, London. (6 months)	69, Bland Street, Halifax, Nova Scotia.	K. E. Whitman, Consulting Engineer, 22, Blower Street, Halifax, Nova Scotia.
WALLER, D. H.	Civil	Public Health Engineering - Imperial College of Science and Technology. (1 year) Metropolitan Water Board. (8 months) Main Drainage Department, Middlesex County Council. (2 months) Tame and Rea District Drainage Board, Birmingham. (1 month) Liverpool Corporation Waterworks. (1 month)	33A, Electric Street, Ottawa, Ontario.	Assistant Research Officer, Division of Building Research, National Research Council. Joined Council in July, 1958 - associated with the National Building Code of Canada as technical secretary to the group advising on the aspects of the National Building Code and as a research officer concerned with public health problems.
1953 Group				
MERRITT, J. H.	Mechanical	Power Plant Manufacture, Thermodynamics - C. A. Parsons & Co. Ltd., Newcastle-upon-Tyne. (1 year) Birmingham University. (1 year)	14, Norwood Street, Halifax, Nova Scotia.	National Research Council, Ottawa.
VACHAL, J. D.	Mechanical	Aeronautical Engineering - De Havilland and Co. Ltd., Hatfield (Continued studies at Hatfield Technical College). (2 years)	2945, Barclay Avenue, Apt. 8, Montreal.	
1954 Group				
BUTCHER, R. S.	Mechanical	Manufacture of gas turbines - Rolls Royce Ltd., Derby. (2 years)	Apt. 1, 14, Spring Ave., Deep River, Ontario.	Junior Engineer, Engineering Design Branch, Atomic Energy of Canada Limited.

ROY, A. H.	Mechanical	Mixed academic and practical experience in steam turbine technology. Thermodynamics - C. A. Parsons & Co. Ltd., (1 year) Birmingham University. (1 year)	P.O. Box 3, St. Francis Xavier University, Antigonish, Nova Scotia.	Assistant Professor of Engineering, St. Francis Xavier University.
1955 Group				
BENNETT, R. A.	Mechanical	Power Plant Engineering and marine turbine experience. Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	20, Hunter Street, New Glasgow, Nova Scotia.	
CAMPBELL, J. E.	Civil	Advanced structures with reference to concrete and steel - Imperial College of Science and Technology. (1 year) Messrs. Dorman Long (Bridge & Engineering) Ltd., London. (1 year)	35, George St., New Waterford, Nova Scotia.	
WELD, G. B.	Mechanical	Mechanical Engineering, Applied Mechanics - The Brush Group Limited, Loughborough. (4 months) Sheffield University. (1 year)	16, Waegwoltic Ave., Halifax, Nova Scotia.	
1956 Group				
LANE, A. D.	Mechanical	Nuclear Power - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Birmingham University. (1 year)	142, Morris Street, Halifax, Nova Scotia.	
1957 Group				
CAMPBELL, M. C.	Chemical	Metallurgical Engineering - Imperial College of Science and Technology, Royal School of Mines. (2 years)	15, St. Peter's Road, Sydney, Nova Scotia.	Still in U.K. - present address - 44, Norland Square, London, W.11.
CHURCHILL, R. J.	Electrical	Light Electrical Engineering - Birmingham University. (1 year) Liverpool University. (1 year)	Roaches Road, New Waterford, Nova Scotia.	Still in U.K. - present address - 1, Lancaster Avenue, Sefton Park, Liverpool, 17.
1958 Group				
BASSO, G. L.	Mechanical	Nuclear Power - Imperial College of Science and Technology. (2 years)	25, Hinchley Avenue, New Waterford, Nova Scotia.	Still in U.K. - present address - 56, Kensington Mansions, Trebovir Road, S.W.5.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1958 Group - continued				
BROWN, J. D.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	47, Lemarchant St., Halifax, Nova Scotia.	Still in U.K. - present address - 36, Duke's Avenue, London, W.4.
CLARKE, W. A.	Mining Engineering	Business Administration - London School of Economics. (1 year) 2nd year to be arranged.	115, Cedar Street, Halifax, Nova Scotia.	Still in U.K. - present address - 57, North Eyot Gardens, St. Peter's Square, W.6.
ROBERTS, W. G.	Electrical	Nuclear Power - Imperial College of Science and Technology. (1 year) 2nd year to be arranged with a nuclear power group.	27, Kippewa Drive, Ottawa, Ontario.	Still in U.K. - present address - 36, Duke's Avenue, London, W.4.
PROVINCIAL COLLEGE OF TECHNOLOGY AND ART, CALGARY				
1957 Group				
MALET DE CARTERET, R.	Aeronautical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	11915, Michel Sarrazin St., Apt. 11, Cartierville, Montreal.	Still in U.K. - present address - Mitchell Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.
QUEEN'S UNIVERSITY				
1951 Group				
BRECK, W. G.	Chemical	Electro-Chemistry - University of Cambridge. (2 years)		Queen's University, Kingston, Ontario.
SINCLAIR, G. R.	Civil	Concrete Structures - Imperial College of Science and Technology. (2 years)	1227, Argyle Road, Windsor, Ontario.	Canadian Bridge Co., Walkerville, Ontario.
SLINGERLAND, F. W.	Mechanical	Gas Turbine Technology - Imperial College of Science and Technology. (2 years)	95, Findlay Avenue, Ottawa, Ontario.	Operational Research Department of National Defence, Quebec, P.Q.
WILLIAMS, A. J.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	c/o 124 Fentiman Avenue, Ottawa, Ontario.	Department of Mines and Technical Surveys, Ottawa.
1952 Group				
BIGHAM, C. B.	Engineering Physics	Nuclear Physics - University of Liverpool. (2 years)	14, Spring Avenue, Deep River, Ontario.	Atomic Energy Ltd., Chalk River, Ontario.

MacMILLAN, F. A.	Engineering Physics	Aerodynamics - University of Cambridge. (2 years)	Box 432, Cochrane, Ontario.	Defence Telecommunications Establishment, Montreal Road, Ottawa.
MITCHELL, J.	Engineering Physics	Electronics and Servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (9 months)	112, Bigelow, Binghamton, New York State, U.S.A.	
NIKI FORUK, P. N.	Engineering Physics	Electronics - The University, Manchester. (2 years)	Vegreville, Alberta.	Defence Construction Ltd., Edmonton, Alberta.
1953 Group				
BENETEAU, P. J.	Engineering Physics	Electronics - Imperial College of Science and Technology. (10 months)	c/o Burroughs Corporation, Paoli, Pennsylvania.	Burroughs Corporation, Paoli, Pennsylvania.
BROWN, R. L.	Engineering Physics	Aircraft Propulsion - College of Aeronautics, Cranfield. (2 years)	695 - 2nd Avenue East, Owen Sound, Ontario.	
HILL, P. G.	Mechanical	Gas Turbine Industry. Thermodynamics - Rolls Royce Ltd., Derby. (1 year) Birmingham University. (1 year)		Taking Ph.D. at M.I.T., Cambridge, Mass., U.S.A.
MISSEN, R. W.	Chemical	Physical Chemistry - Cambridge University. (2 years)	Dept. of Chemical Engineering, University of Toronto, Toronto 5, Ontario.	Assistant Professor of Chemical Engineering, University of Toronto.
OLSON, A. T.	Mechanical	Gas Turbine Industry. Thermodynamics - Rolls Royce Ltd. (1 year) Birmingham University. (1 year)	Gravenhurst, Ontario.	University of West Ontario.
1954 Group				
ELLIS, J. S.	Civil	Structures and Materials - Cambridge University. (2 years)	418, Earl Street, Kingston, Ontario.	With J. D. Lee & Co., Kingston.
MacDONALD, I. J.	Mechanical	Mechanical Engineering, and Thermodynamics - Fraser and Chalmers in G.E.C. Group. (1 year) Birmingham University. (1 year)	7320, Sherbrooke St. W., Montreal.	Dominion Eng. Co., Lachine, Quebec.
PIKE, J. G.	Mechanical	Thermodynamics and construction of gas turbines - Bristol Aeroplane Co. Ltd. (1 year) Birmingham University. (1 year)	268, Homewood Ave., Hamilton, Ontario.	On Staff - McGill University.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
QUEEN'S UNIVERSITY - continued				
1954 Group - continued				
TURNER, L. R.	Chemical	Design and manufacture of heat transfer equipment, suitable for chemical plant - Messrs. Foster, Wheeler Ltd., London. (2 years)	307, Queenston Gt. St., St. Catharines, Ontario.	Job Engineer, Refinery Equipment, Foster Wheeler Ltd.
1955 Group				
CORNEIL, E. R.	Mechanical	Servomechanisms - Imperial College of Science and Technology. (2 years)	Queen's University, Mechanical Engineering Department, Kingston, Ontario.	On staff of Queen's University, Mechanical Engineering Department.
MCLELLAN, P. W.	Chemical	Chemical Engineering - Oil Refining - British Petroleum Co. Ltd., Isle of Grain, Kent and Sunbury-on-Thames. (18 months) The Power Gas Corporation, Stockton-on-Tees. (6 months)	254, Perreault St. E., Rouyn, Quebec.	
TUISKU, H. E. (Now known as NORTH, H. E. T.)	Mechanical	Aeronautical engineering, specialising in helicopters - College of Aeronautics, Cranfield. (2 years)	129, Banning Street, Port Arthur, Ontario.	
1956 Group				
BROWN, J. A.	Chemical	Physical Metallurgy - Birmingham University. (2 years)	211, Kootenay Ave., Trail, British Columbia.	Still in U.K. - present address - 11, Priory Road, Edgbaston, Birmingham, 15.
FUNKE, E. R. R.	Electrical Communications	Servomechanisms - Imperial College of Science and Technology. (2 years)	High Street, Morrisburg, Ontario.	Still in U.K. - present address - 206, Sheen Road, Richmond, Surrey.
HENDERSON, J. E.	Civil	Civil Engineering, structural research - Birmingham University. (2 years)	c/o, Mr. A. B. McFarlane, P.O. Box 459, Aldershot, Ontario.	Still in U.K. - present address - 28, Steel Road, Northfield, Birmingham, 31.
HOWARD, J. H. G.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - Birmingham University. (1 year)	R. R. 2, Rigaud, P.Q.	Still in U.K. - present address - 193, Belsize Road, N.W.6.
SKOCZYLAS, H.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	21, Albert Street, Kingston, Ontario.	

1957 Group				
JULL, E. V.	Engineering Physics	Light Electrical Engineering - University College, London. (2 years)	616, Rideau Road, Calgary, Alberta.	Still in U.K. - present address - Connaught Hall, 15, Torrington Square, London, W.C.1.
MIDGLEY, P. A. S.	Electrical	Light Electrical Engineering - Imperial College of Science and Technology. (1 year) Messrs. Aveley Electric Ltd. (1 year)	R. R. #1, City View, Ontario.	Still in U.K. - present address - 5, Howard Road, Upminster, Essex.
VANDALEN, K.	Civil	Reinforced and prestressed concrete - Imperial College of Science and Technology. (2 years)	121, Ewen Road, Hamilton, Ontario.	Still in U.K. - present address - 8, Walsingham Mansions, Stamford Bridge, S.W.6.
1958 Group				
BARRY, A. L.	Engineering Physics	Electrical Engineering - Imperial College of Science and Technology. (2 years)	70, Vachon Street, Apartment 2, Ottawa 2, Ontario.	Still in U.K. - present address - Imperial College Hostel, Prince Consort Road, S.W.7.
LOCKWOOD, F. C.	Mechanical	Mechanical Engineering - Rootes Group, Humber Ltd. (1 year) 2nd year to be arranged at University of Birmingham.	Highland Road, London, Ontario.	Still in U.K. - present address - 29, South Avenue, Stoke Park, Coventry.
LOW, D. I. R.	Chemical	Physical Chemistry - University of Cambridge. (2 years)	15, Arundel Avenue, Ottawa 2, Ontario.	Still in U.K. - present address - Pembroke College, Cambridge.
ROBERTSON, S. D.	Electrical	Electrical Engineering - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	132, Clarendon Avenue, Ottawa, Ontario.	Still in U.K. - present address - Imperial College Hostel, Prince Consort Road, S.W.7.
WHITELEY, H. R.	Civil	Civil Engineering - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	539, Broadview Ave., Ottawa, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
UNIVERSITY OF SASKATCHEWAN				
1951 Group				
COLLIN, R. E.	Engineering Physics	Electronics and Radar - Imperial College of Science and Technology. (2 years)	708 - 28 St. West, Saskatoon, Sask.	Defence Research Board Establishment, C.A.R.D.E., Quebec City, Quebec (Microwave Section - Guided Missiles).
LINK, W. T.	Engineering Physics	Nuclear Physics - University of Birmingham. (2 years)	414, Qu'Appelle Hall, Saskatoon, Saskatchewan.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF SASKATCHEWAN				
1952 Group		- continued		
ALMOND, J.	Physics	Electronics - Imperial College of Science and Technology. (2 years)	4151, Dorchester St. West, Westmount, Quebec.	R. C. A. Victor Co. Ltd., Research Laboratories, Montreal - Member of Scientific Staff.
FRASER, D. J.	Geological	Oil Technology - Birmingham University. (10 months)	The Pas, Manitoba.	Sohio Petroleum Co., 109, Bamlett Bldg., 8th Avenue West, Calgary, Alberta.
1953 Group				
BLACHFORD, C. W.	Electrical	Electrical Engineering - English Electric Co. Ltd., Stafford. (2 years)	Box 56, Ardath, Saskatchewan.	
CLARK, J. C.	Agricultural	Mechanical engineering (Tractor Production) The David Brown Companies Ltd. (2 years)	c/o 2805, Rosser Avenue, Brandon, Manitoba.	
THOMPSON, K. M.	Chemical	Chemical Engineering - Imperial Chemical Industries Ltd., Billingham. (2 years)	103, Albert Avenue, Saskatoon, Sask.	Assistant Professor of Chemical Engineering, University of Saskatchewan, Saskatoon.
1954 Group				
JONES, B. G.	Mechanical	Nuclear Power - English Electric Co. Ltd., Rugby. (1 year) Atomic Energy Research Establishment, Harwell. (1 year)	5055, Cote St. Luc Rd., Apt. 52, Montreal.	General Atomic Division, Canadaair Ltd., Montreal.
WRIGHT, P. M.	Civil	Structural Steel Work Design, Fabrication and Erection - Dorman Long (Bridge and Engineering) Ltd., Middlesbrough. (2 years)	308, Spadina Crescent W., Saskatoon, Sask.	University of Saskatchewan, Saskatoon.
1955 Group				
LANGEMAN, P.	Civil	Advanced structures - Imperial College of Science and Technology. (1 year) Messrs. Dorman Long & Co. Ltd., Middlesbrough. (1 year)	c/o Dominion Bridge Co., Box 1629, Estevan, Sask.	Dominion Bridge Company, Canada Building, Winnipeg, Manitoba - Structural Designer, Site Erection Engineering.

SHIELDS, D. H.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year) Scott & Wilson, Kirkpatrick & Partners, London. (1 month)	Box 41, Rainy River, Ontario.	Ripley and Associates Ltd., Engineering Consultants.
1956 Group				
MICKLEBOROUGH, B. W.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year)	Weyburn, Saskatchewan.	
1957 Group				
JOHNSON, D. W.	Engineering Physics	Light Electrical Engineering - Imperial College of Science and Technology. (2 years)	211 - 4th Ave. South, Yorkton, Saskatchewan.	Still in U.K. - present address - 8, Marloes Road, London, W.8.
UKRAINETZ, P. R.	Mechanical	Aeronautical Engineering - Bristol Aeroplane Co. Ltd. (2 years) Will also have part-time education.	Erwood, Saskatchewan.	Still in U.K. - present address - 33, Logan Road, Bishopston, Bristol 7.
1958 Group				
CRITCHLEY, R. F.	Mechanical	Mechanical Engineering - Vickers-Armstrongs Ltd. (1 year) 2nd year to be arranged at Sheffield University.	1223, 15th St. West, Prince Albert, Saskatchewan.	Still in U.K. - present address - 26, Ashfield Terrace East, Newcastle-on-Tyne, 4.
TILL, C. E.	Engineering Physics	Nuclear Physics - Imperial College of Science and Technology. (2 years)	Aylsham, Saskatchewan.	Still in U.K. - present address - 38, Phillimore Walk, London, W.8.
UNIVERSITY OF TORONTO				
1951 Group				
ARMOUR, J. M.	Engineering and Business	Production Engineering and Administration - Brockhouse Engineering (Stockport) Ltd., Stockport. (1 year) London School of Economics. (1 year)	Urwick, Currie Ltd., Suite 1903, 80, King Street W., Toronto 1, Ontario.	Urwick, Currie Ltd. - Canadian branch of the U.K. firm of Urwick, Orr and Partners.
FIRSTBROOK, W. A.	Engineering and Business	Metallurgy of Iron and Steel, and Administration - Royal Technical College, Glasgow. (1 year) London School of Economics. (1 year)	15, Second Street, Oakville, Ontario.	Metallurgical Engineer, Sales Division, International Nickel Co. of Canada Ltd., Toronto, Ontario. (Married April 1955 - Son born July 1956).
KOSKI, J. T.	Electrical	Servomechanisms and remote control - Imperial College of Science and Technology. (9 months)	9, Governor's Road, Toronto 5, Ontario.	Dept. of Education for Ontario, Ryerson Institute of Technology, 50, Gould Street, Toronto.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF TORONTO - continued				
1951 Group - continued				
LEAIST, G. T.	Chemical	Rubber technology and administration - National College of Rubber Technology, London. (1 year) London School of Economics. (1 year)	100, Park Row Avenue, South, Hamilton, Ontario.	
LEIGH, D. C.	Engineering Physics	Electronics - University of Cambridge. (2 years)	5, Amesley Ave., Toronto 17, Ontario.	Convair Aircraft, Fort Worth, Texas, U.S.A.
MACDONALD, D. H.	Civil	Soil Mechanics and Geology. Structural and hydraulic engineering - Imperial College of Science and Technology. (2 years)	Apt. 3, 2024, Murray Street, Niagara Falls, Ontario.	Geotechnical Engineer in charge of Geotechnical Department, Hydraulics Division, H. G. Acres & Co. Ltd., Consulting Engineers, Niagara Falls, Ontario.
MATTHEWS, J. N.	Mechanical	The Machine Tool Industry - H. W. Ward & Co. Ltd., Birmingham. (6 months) Churchill Machine Tool Co. Ltd., Manchester. (6 months) George Richards & Co. Ltd., Broadheath. (2 months) Kendall & Gent Ltd., Manchester. (1 month) John Lang & Co. Ltd., Johnstone, Scotland. (1 month) William Asquith & Co., Halifax. (1 month) Production Engineering Research Association, Melton Mowbray. (9 months)	49, Glengowan Road, Toronto, Ontario.	Ontario Research Foundation, 43, Queen's Park Crescent, Toronto.
MOFFAT, T. L.	Engineering and Business	The Automobile Industry - The Rootes Group. (2 years)	1691, Bayview Avenue, R.R. #1, York Mills, Toronto, Ontario.	Canadian Kodak Co. Ltd., Mount Dennis, Ontario.
PRIOR, B. W.	Engineering Physics	Gas Turbine Technology - National Gas Turbine Establishment, Pyestock. (2 years)	Apt. 5, 33, John Street, Eastview, Ottawa, Ontario.	National Research Council, Ottawa.
STEPHENSON, D. G.	Engineering Physics	Gas dynamics and aerodynamics - Imperial College of Science and Technology. (2 years)	1, McLeod Street, Ottawa, Ontario.	National Research Council, Ottawa.

1952 Group				
ADAMS, E. J.	Mechanical	Mechanical engineering - English Electric Co. Ltd., Rugby. (2 years)	79, Arlington Avenue, Toronto, Ontario.	John Inglis Co., Toronto, Ontario.
CHURCH, P. B.	Aeronautical	Aircraft construction - Fairey Aviation Co. Ltd., Hayes. (2 years)	Apt. 401, 56, Ranleigh Ave., Toronto 12, Ontario.	Aerodynamicist, de Havilland Aircraft of Canada, Ltd.
CROSS, D. H. E.	Physics	Gas Turbine technology - Imperial College of Science and Technology. (1 year) Rolls-Royce Ltd., Derby. (1 year)	322, Lakeshore Road West, Port Credit, Ontario.	Crenda Engines, Malton, Ontario.
DODD, W. B.	Mechanical	Fabrication and production - British Thomson-Houston Co. Ltd., Rugby. (2 years)	43, Thornhill Avenue, Toronto 9, Ontario.	Dominion Engineering Works Ltd., (Hydraulic Division), Lachine, Montreal 32.
RAINER, W. M.	Mechanical	Manufacturing methods and processes - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (21 months)	41, Deyncourt Drive, Burlington, Ontario.	Turbine Division, Canadian Westinghouse Co. Ltd., Hamilton, Ontario.
WRIGHT, G. D. T.	Civil	Plastic Analysis and design of structures - University of Cambridge. (2 years)	Waterloo College and Associate Facilities, Waterloo, Ontario.	Professor of Civil Engineering, and Dean of the Faculty of Engineering, Waterloo College.
1953 Group				
DeLORY, F. A.	Civil	Soil Mechanics and Concrete Technology - Imperial College of Science and Technology. (2 years)	Georgetown, P.E.I.	
DOOLEY, J. E.	Mechanical	Mechanical Engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) D. Napier & Sons, Acton. (1 year)	80, Aldershot Avenue, Brockville, Ontario.	Design Engineer, Dupont Company of Canada Ltd., Montreal.
FEE, E. W.	Mechanical	Nuclear Power - English Electric Co. Ltd., Rugby and Atomic Energy Research Establishment, Harwell. (2 years)	517, Brock Ave., Toronto, Ontario.	
LAUBITZ, M. J.	Engineering Physics	Applied physics - Cambridge University. (2 years)	263, O'Connor, Ottawa, Ontario.	Research Physicist, National Research Council.
MOLOZZI, A. R.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	130, North Western Ave., Ottawa, Ontario.	Electronics Research - Defence Research Board, Ottawa, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF TORONTO - continued				
1953 Group - continued				
NEILL, M. T.	Mechanical	Mechanical engineering with special reference to Gas Turbine Locomotives - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year 7 months) Messrs. Poole and Associates, Marple Bridge. (5 months)	574, St. James Street, London, Ontario.	Applications Engineer, Isotope Products Ltd., Oakville, Ontario.
WOOD, J. K.	Chemical	Mechanical engineering and Instrumental Control - College of Technology, Manchester. (1 year) Imperial Chemical Industries Ltd., (1 year)	3002, Albert Street, Regina, Saskatchewan.	
1954 Group				
BATE, D. L. S.	Engineering Physics	Nuclear Power - C. A. Parsons & Co. Ltd., Newcastle and A. Reyrolle & Co. Ltd., Hebburn, Co. Durham. (2 years)	9, Slibbard Ave., Toronto, Ontario.	Aeroelastics Group, AVRO Aircraft, Toronto.
BRYCE, W. W.	Aeronautical	Aerodynamics - College of Aeronautics, Cranfield. (2 years)	6, Conrad Avenue, Toronto 10, Ontario.	
DOWLING, P. J.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year, 10 months)	10735 - 54 Street, Edmonton, Alberta.	Manager, Frankl of Canada Limited, in the Provinces of Alberta and Saskatchewan Business address - 10032 - 105 Street, Edmonton, Alberta.
PETTIGREW, H. C.	Engineering Physics	Electronics and Remote Controls - Imperial College of Science and Technology. (2 years)	Otterville, Ontario.	
RHODES, R. T.	Engineering and Business	Works experience in light engineering quantity production - The Rootes Group, Coventry, Luton, Maidstone, London. (2 years)	114, Winnipeg Avenue, Port Arthur, Ontario.	Industrial Department, Turinbity Gas Company. Is doing sales work.
SHAW, D. S.	Engineering and Business	Production techniques and management - General Electric Co. Ltd., Witton. (1 year) Birmingham University. (1 year)	Victoria Street, Walkerton, Ontario.	

1955 Group				
BURKE, P. D.	Engineering and Business	Telecommunications - Standard Telephones and Cables Ltd., Woolwich & Woolwich Polytechnic. (2 years)	182, Toke Street, Timmins, Ontario.	Institute of Aerophysics, University of Toronto. (Studying for Ph.D. degree).
FRENCH, J. B.	Chemical	Aircraft Gasdynamics & Thermodynamics - National Gas Turbine Establishment, Farnborough. (1 year) Birmingham University. (1 year)	20, Cringate Drive, P.O. "S", Toronto 18.	
HAM, R. K.	Engineering Physics	Physical metallurgy - Birmingham University. (2 years)	R.R.2, Paris, Ontario.	Still in U.K. - present address - University of Cambridge, Dept. of Physics, Cavendish Laboratory, Free School Lane, Cambridge.
HANSON, J. V.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)	15, Ivor Road, Toronto 12, Ontario.	
HARRIS, S. G.	Metallurgy	Metallurgy - Birmingham University. (2 years)	Nakina, Ontario.	General Motors of Canada - Special Assignments (Manufacturing)
LOWE, D. C.	Engineering and Business	Production Engineering - Vauxhall Motors Ltd. (1 year) Birmingham University. (1 year)	89, Oshawa Boulevard Sth., Oshawa, Ontario.	
SIMPSON, R. W.	Aeronautical	Aircraft design and propulsion - College of Aeronautics, Cranfield. (2 years)	2247, Lillian Street, Windsor, Ontario.	
1956 Group				
ARMSTRONG, M. J.	Engineering and Business	Industrial Engineering - The Brush Group Ltd. (1 year) Birmingham University. (1 year)	168, Coldstream Avenue, Toronto, Ontario.	Still in U.K. - present address - 61, Abingdon Villas, London, W.8.
CRAWFORD, G. A.	Metallurgy	Extractive Metallurgy - Imperial College of Science and Technology. (2 years)	49, Heddington Ave., Toronto 12, Ontario.	Assistant Manager, Industrial Relations Dept., Canadian Broadcasting Corporation, Ottawa, Ontario. A son, Scott, was born on 12th April, 1958.
HARRISON, M. A.	Engineering Physics	Business Administration - London School of Economics. (1 year) Production Planning - Messrs. Elliot Bros, London. (1 year)	616, Westview Avenue, Ottawa, Ontario.	
MORGENSTERN, N.	Civil	Soil Mechanics - Imperial College of Science and Technology. (2 years)	76, Strathearn Road, Toronto, Ontario.	Still in U.K. - present address - 20, Chepstow Place, London, W.11.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC. WHERE EMPLOYED
UNIVERSITY OF TORONTO - continued				
1956 Group - continued				
NETTLETON, T. R.	Aeronautical	Aeronautical Engineering - College of Aeronautics, Cranfield. (2 years)	Apt. 204, Windsor Apartments, 86, Wilson Ave., Toronto, Ontario.	
SWANSON, S. R.	Aeronautical	Aeronautical Engineering - (Aircraft Design) - College of Aeronautics, Cranfield. (2 years)	Apt. 313, Wilson Ave., Downsview, Ontario.	
WALLACE, R. R.	Civil	Concrete Technology - Imperial College of Science and Technology. (1 year) E. J. Cook & Co. (4 months)	3605, University St., Montreal, P.Q.	Civil Engineer, Barott Marshall, Merrett and Barott (Architects)
WILENIUS, G. P. T.	Mechanical	Nuclear Power - Imperial College of Science and Technology. (2 years)	65, O'Brien Ave., South Porcupine, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
1957 Group				
BROWN, L. M.	Metallurgy	Metallurgy - Birmingham University. (2 years)	2496, Chilver Road, Windsor, Ontario.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Edgbaston, Birmingham, 15.
FOULDS, J. G.	Electrical	Electronic Machinery Control Systems - Imperial College of Science & Technology. (2 years)	137, Glenaden Ave. E., Toronto, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
KING, G. F.	Chemical	Chemical Engineering - Imperial Chemical Industries Limited. (1 year) University of Birmingham. (1 year)	R.R. #1, Nashville, Ontario.	Still in U.K. - present address - 162, Pershore Road, Edgbaston, Birmingham.
MCLEAN, D. J.	Engineering Physics	Light Electrical Engineering - Imperial College of Science and Technology. (2 years)	525, Atlas Avenue, Toronto, Ontario.	Still in U.K. - present address - 44, Castlebar Road, London, W.5.
REYNOLDS, A. J.	Aeronautical	Aeronautics - Imperial College of Science and Technology. (1 year)	45, Wineva Ave., Toronto, Ontario.	Still in U.K. - present address - 79A, Deodar Road, London, S.W.15.

1958 Group				
BODROGHY, B. G.	Mechanical	Nuclear Power - Imperial College of Science and Technology. (1 year) 2nd year to be arranged with a nuclear power group.	1638, Matthews Ave., Vancouver, B.C.	Still in U.K. - present address - 34, Argyll Road, London, W.8.
ELLIS, J. B.	Electrical	Electrical Engineering - Imperial College of Science and Technology. (2 years)	4, Eyewood Drive, Toronto, 18, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
HARDWICK, J. D.	Civil	Fluid Mechanics and Hydraulics - Imperial College of Science and Technology. (2 years)	Appleby College, Oakville, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
LONCAREVIC, B. D.	Engineering Physics	Geophysics - University of Cambridge. (1 year) 2nd year, probably in industry, to be arranged.	231, Macpherson Ave., Toronto 7, Ontario.	Still in U.K. - present address - 18, de Freville Avenue, Cambridge.
MATTHEWS, A. E. P.	Engineering and Business	Mechanical Engineering - Northern Aluminium Co. Ltd. (1 year) 2nd year at University, to be arranged.	193, Queen Street, Apt. 50, Sarnia, Ontario.	Still in U.K. - present address - c/o Northern Aluminium Co. Ltd., Castle Works, Rogerstone, Newport, Monmouthshire.
MERKLINGER, K. J.	Electrical	Electrical Engineering - Imperial College of Science and Technology. (2 years)	110, Gatewood Road, Kitchener, Ontario.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
SEAGRAM, N. M.	Engineering and Business	Mechanical Engineering - Rootes Group, Humber Ltd. (1 year) 2nd year to be arranged at Birmingham University.	210, Inglewood Drive, Toronto 7, Ontario.	Still in U.K. - present address - 45, Briars Close, Stoke, Coventry.
UNIVERSITY COLLEGE, LONDON				
1957 Group				
LARKIN, B. S.	Mechanical	Mechanical Engineering - Imperial College of Science and Technology. (2 years)	Staff Hotel, Deep River, Ontario.	Still in U.K. - present address - 33, Onslow Gardens, London, S.W.7.

ATHLONE FELLOWSHIPS

NEWS LETTER No. 4

JANUARY 1960

THE ATHLONE FELLOWSHIPS

NEWS LETTER No. 4

January, 1960

With the compliments of the Secretary to the Managing Committee

Please note: this copy of Newsletter No. 4 is incomplete, as it does not contain the 2 Appendices that are tables that shows

1. the name, year of fellowship, university, and Athlone Group of Fellows up to 1960; and
2. list of these same Fellows but showing, by university, year of award, names, courses of study in the UK, and known address, and pertinent remarks.

Board of Trade,
Horse Guards Avenue,
Whitehall,
London, S.W. 1.

This same information is included in the Appendices of the last Newsletter, No. 16, 1970.

Note by RL Bob Hemmings, Athlone Fellow 1962

November 21, 2020

THE ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Sir Julian Pote, J.P. (Chairman)
Sir Douglas Logan, D.C.L., LL.D. (Vice Chairman)
A. M. Holbein, Esq., C.B.E. (Federation of Civil Engineering Contractors)
D. D. Walker, Esq., M.A., M.I.E.E. (British Engineers Association)
G. S. Bosworth, Esq., M.A., A.M.I.Mech.E., A.M.I.E.E. (British Electrical and Allied
Manufacturers' Association)
C. M. Beckett, Esq., T.D., M.A., M.I.E.E. (Scottish Engineering Interests)
Professor H. E. M. Barlow, B.Sc., Ph.D., M.I.E.E., M.I.Mech.E.
(Pender Professor of Electrical Engineering, University College, London.)
Professor D. G. Christopherson, O.B.E., B.A., D.Phil., S.M., A.M.I.C.E., M.I.Mech.E.,
(Professor of Applied Science, Imperial College of Science & Technology, London.)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., M.I.E.E., F.R.S.E., (Professor of
Electrical Engineering, University of St. Andrews.)
Professor S. C. Redshaw, D.Sc., Ph.D., M.I.C.E. (Professor of Civil Engineering,
University of Birmingham.)
J. Young, Esq. (Trades Union Congress)
Captain B. E. W. Logan, R.N. (Retd.) (Federation of British Industries)
N. Sutcliffe, Esq. (The British Council)
V. I. Chapman, Esq. (Board of Trade)
G. E. Crombie, Esq., C.M.G. (Commonwealth Relations Office)
Miss S. M. E. Goodfellow (Ministry of Education)
Dr. J. G. Strachan, H.M.I. (Scottish Education Department)
Dr. A. C. Monkhouse, C.B.E., Ph.D., F.R.I.C., M.Inst.Gas.E. (Adviser)
J. F. Palmby, Esq. (Secretary)

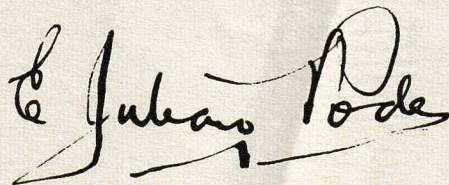
The Athlone Fellowships News Letter No. 4

Foreword by Sir Julian Pöde, J.P., (Chairman of the Managing Committee in the United Kingdom)

I was most pleased earlier this year to accept the invitation to become Chairman of the Managing Committee of the Athlone Fellowships Scheme, not because of any particular connection with Canada, but because of a keen interest in education, and particularly technological education. I have headed a team which, since 1947, has built what is at present the largest and most modern rolling and finishing plant for steel sheets and tinplate in Western Europe; and this, if nothing else, has impressed me with the absolute necessity of an ever increasing supply of skilled engineers. Any country ignoring this fact must fall behind industrially and face a lowering standard of living for its people.

The inauguration of the Athlone Fellowships Scheme in 1951 was a far sighted measure enabling the age old skills of the peoples of these islands to be passed on to the virile Dominion of Canada, which, with its abundant natural wealth and the tremendous energy of its people will soon be one of the leading industrial nations of the world.

I have been privileged to meet some of the Athlone Fellows who are already on their two year course and also those who only arrived this September. They come as ambassadors of Canada but I have little doubt that when they return they will, in addition, be ambassadors of the old country. Schemes such as the Athlone Fellowships cannot fail to have a two-way benefit.

A handwritten signature in dark ink, reading "Julian Pöde". The signature is written in a cursive style with a large, stylized initial 'J' and a long, sweeping underline.

Note from the Managing Committee in the United Kingdom

The Managing Committee for the Athlone Fellowships Scheme have pleasure in issuing the 4th News Letter to Fellows past and present and to others interested in the Scheme in the United Kingdom and in Canada.

Reports by Fellows and by their industrial supervisors and university tutors continue to indicate that the Scheme is working satisfactorily and is achieving its aims. The universities and the increasing number of United Kingdom establishments which have accepted Fellows for training maintain their interest in the Scheme and are giving it every assistance. To these friends the Managing Committee send their sincere thanks and appreciation.

The Managing Committee also wish to express gratitude and appreciation to all friends in Canadian universities, engineering industries, and in the offices of the High Commissioner for the United Kingdom, to whose continued enthusiasm and co-operation the Schemes owes much.

The year under review has seen several changes. Sir Claude Gibb, whose death was reported in the last News Letter, was succeeded as Chairman of the Managing Committee by Sir Julian Pode, Managing Director of the Steel Company of Wales Limited. Then, in March, the Committee learned with deep regret of the sudden death of Sir Henry Gregory who had been Vice Chairman for four years. Fellows who attended the 1958 Conference will remember Sir Henry who took the chair at the concluding Assembly and so ably summed up the findings of the discussion groups. He has been succeeded by Sir Douglas Logan, Principal of the University of London.

In News Letter No. 3 it was reported that Dr. H. H. Burness had been succeeded as Adviser to the Scheme by Dr. A. C. Monkhouse. Dr. Burness had been connected with the Scheme from the outset and much of its success is due to his enthusiasm and his readiness to do all possible to meet the needs of individual Fellows. That Dr. Burness was very popular with the Fellows is evidenced by the number of appreciative remarks in Fellows' reports and the expressions of regret on his retirement from the Scheme.

On the 1st May, 1959, the day-to-day work of the Scheme was transferred from the Ministry of Education to the Board of Trade, solely for reasons of administrative convenience since the Board has always been responsible for the Athlone Fellowship financial arrangements. There is no intention to change the concepts of the Scheme. As a result of this transfer, Mr. Burgess was no longer eligible to remain Secretary to the Managing Committee, a position he had filled since the inception of the Scheme in 1951. His faithful and valuable work in connection with the running of the Scheme during this period is well known to past Athlone Fellows, many of whom have expressed appreciation of his assistance in their periodic reports. The Managing Committee are confident that all concerned will join with them in wishing Mr. Burgess every success in his new appointment at the Ministry of Education. He has been succeeded as Secretary to the Managing Committee by Mr. J. F. Palmby of the Board of Trade.

In September, 1959 the 9th Group of Athlone Fellows arrived in Great Britain, and a further 1959 Fellow is due to arrive in January 1960: this will bring the total number of Fellowship up to 336.

The following table showing the relative distribution of training programmes since 1951 may be of interest:

	Two years Industry or Industrial Consultants	Two years University, College or Research Establishment	Mixed course	Total
1951	8	21	9	38
1952	4	18	13	35
1953	16	11	10	37
1954	10	10	16	36
1955	8	12	17	37
1956	1	21	16	38
1957	2	25	9	36
1958	-	20	18	38
1959	4	14	23	41
	53	152	131	336

To date, Fellows have elected for training in various branches of engineering in the United Kingdom as follows:

Mechanical (including Production Engineering and Administration)	82	Metallurgy	23
Aeronautical	31	Metalliferous Mining	2
Light Electrical	62	Petroleum Technology	2
Heavy Electrical	11	Physical Chemistry	4
Civil	62	Nuclear Physics	3
Chemical	23	Nuclear Chemistry	1
Physics	2	Nuclear Power	25
Forestry	1	Environmental	1
		Geophysics	1

Of the 1957 Fellows who have completed the two years of their Fellowships and were due to return to Canada, twelve have remained in the United Kingdom to complete work for a higher degree and one has remained with a firm of consultants to gain further experience.

Following the success of the 1958 Conference which was fully reported in the last issue, a further conference will be held in 1960 for 1958 and 1959 Fellows. It will take place in London on Tuesday, March 29th and Wednesday, March 30th.

It is a source of disappointment to the Committee that, despite appeals in recent Newsletters and their special request in September to Fellows in the United Kingdom for material for inclusion in this and subsequent issues of the letter, only 4 items were submitted. They therefore repeat that they will welcome notes from past and present Fellows about their experiences in the United Kingdom, and are particularly anxious to hear from past Fellows of their careers in Canada, their progress in their employment, and any incidents or items which would interest other Fellows or any of the other recipients of the Letter both in the United Kingdom and in Canada. They will also welcome contributions for the Letter from universities and employing organisations, both in the United Kingdom and Canada, on any matter which would be of interest to persons connected with the Scheme and particularly any suggestions for its improvement.

The Managing Committee are also anxious to receive from all past Fellows, information to keep their records up-to-date. They will, therefore, be pleased if these Fellows will complete the tear-off slip on page 15 and send it to the Secretary, Athlone Fellowships Managing Committee, Board of Trade, Horse Guards Avenue, Whitehall, London, S.W.1.

Obituary - Richard Francis Critchley

It is with deep regret that the Committee report the death of Richard Francis Critchley who was killed in a motor-cycle accident at Derby on 21st June, 1959.

Richard Critchley was educated at the Prince Albert High School and the University of Saskatchewan. He graduated in mechanical engineering with great distinction in May 1955 when he was awarded the prize of the Association of Professional Engineers.

He obtained his Athlone Fellowship in 1958, and was spending the first year with Vickers-Armstrongs, Ltd., at Newcastle-upon-Tyne, from whom he was detached on a short course with Rolls-Royce, Ltd., Derby, when the accident occurred. His second year was to have been spent at Sheffield University.

He was making excellent progress in the United Kingdom and there is no doubt that, but for this tragic event, his early promise would have been fulfilled.

His father flew from Canada for the interment, which took place on the 25th June in the family grave at Manor Park cemetery, Ilford, Essex. The service was conducted by the Rev. Neil Marsh of Loughton, Essex, who was a personal friend of the deceased, and a fellow student at Saskatchewan University.

In addition to relatives, among those present at the funeral were a representative from Vickers-Armstrongs, Ltd., Newcastle; Mr. Knight of the London Office of the Saskatchewan Agent-General; Athlone Fellows C. E. Till and I. A. Soutar, and Dr. A. C. Monkhouse, who represented the Managing Committee.

Note by Dr. A. C. Monkhouse, C.B.E. (Adviser to the Athlone Fellowships Scheme)

To fly to Vancouver via the Polar route, to cross Canada from the Pacific to the Atlantic Ocean is a journey many Canadians themselves have not undertaken. When this is combined with visits to universities and to industry, discussions with university staff, industrialists and former Athlone Fellows it will be realised that opportunities are available for obtaining a vivid impression of Canada and Canadians.

The first impression is of the size of the country. To one who has lived on a small island, where the longest journey taken is say from London to Edinburgh, 400 miles, distances in Canada seem fantastic. From Vancouver to Halifax is nearly 4,000 miles. The country is served not only by excellent railway systems but by efficient internal airways, which in spite of hard winter conditions, maintain a remarkably good service. Then there is the scenery. What can compare with the majestic crossing of the Rockies, the sight of the Prairies under snow, the picturesque rail track alongside the Lakes, Mount Royal, Quebec standing as a sentinel in the St. Lawrence, and the woodland beauty of the Maritime provinces?

I had looked forward with a certain amount of trepidation to experiencing the rigours of a Canadian winter for the first time but my fears were ill-founded. Although cold, with temperatures on occasion down to '30 below', the sky was clear and sunny, the air bracing and invigorating. In this respect it was a pleasant change from the cloud and fog of London's winter. Canadians seem to have solved the problem of alleviating the rigours of winter; homes, buildings and cars were all well heated, streets and main roads were kept clear of snow, and sport and entertainment were features of the period. I was fortunate

when in Quebec in seeing the Ice Carnival in progress and witnessing the celebrated dory race across the St. Lawrence, and also of seeing a little of the Drama Festival at Edmonton.

Then there are the people. I doubt whether anywhere can be found such warm-hearted people, fond of their country, keen to develop their many natural resources and eager to build a united country, capable of playing its part in world affairs. The Seaway Scheme is an outstanding example of engineering skill to bring ocean going vessels over 2,400 miles into the heart of the North American continent. The growing development of mineral and oil resources together with the large timber and wood pulp industries should place Canada in a very strong position. The expansion of the chemical industry at Shawinigan and at Sarnia was most impressive. Opportunity was also taken to see the Zinc and Lead Refinery at Trail and the Nickel Industry at Sudbury. In conjunction with the mining industry there is the excellent work done by the Department of Mines and Surveys at Ottawa. The establishments visited of the National Research Council at Ottawa, the British Columbia Research Council at Vancouver, the Alberta Research Council at Edmonton, the Ontario Research Foundation at Toronto gave an impression that Canada was keen to develop its natural resources to the full.

One marked impression was that of the demand for higher education as indicated by the growth of the universities. It was gratifying to see the new buildings of the engineering schools and to hear of the estimated growth in the number of engineering graduates from 2,000 in 1958 to 3,500 in 1965.

The Athlone Fellowship scheme has been in operation for eight years, the first group went over to the United Kingdom in 1951. It is getting better known and returned Athlone Fellows have done much in publicising the benefits to be derived from the scheme. In 1959 the number of Fellowships available was increased from 38 to 41, the extra three being awarded to the engineering schools of the Universities of Western Ontario, Sherbrooke and Ottawa. Of the 41 Fellowships, 10 are awarded to engineers already in industry. Opportunity was taken at many of the universities to speak to the engineering students on the Athlone Fellowship scheme and its potentialities to encourage them to give it consideration in their final year.

In 1959 the distribution of the 41 Fellows among the different branches of engineering to be studied in the United Kingdom was:-

Mechanical	14
Electrical	7
Civil	6
Metallurgical	5
Nuclear Power	5
Aeronautical	2
Chemical	2

14 Fellows have provisionally elected for two years training at a university or college, 4 for two years in industry, and 23 for one year in each. The growing number of post-graduate courses at universities in the United Kingdom which permit of a master's degree or a diploma being obtained in one year has proved very attractive to the Athlone Fellows. The newer aspects of engineering, such as nuclear power, electronics and telecommunications have had a special appeal. Industry in the United Kingdom is paying more attention to the training of post-graduate students. It is pleasing to record that Athlone Fellows are gaining a reputation in the United Kingdom for keenness and enthusiasm which does much to promote the success of the scheme.

As Adviser to the scheme I cannot express too strongly my appreciation of the enthusiastic co-operation of the universities of Canada and of the engineering industries, and also the assistance and guidance of the officers of the U.K. High Commissioner for Canada.

A. C. M.

TRAINING IN INDUSTRY

The arrangements for industrial training for young engineers in the United Kingdom stem in the main from the fact that engineering has always been regarded in the United Kingdom as both an art and a science and the tradition of learning practical skills goes back at least to the Middle Ages and even earlier. The job of the engineer is to devise and make equipment to harness natural phenomena for the benefit of mankind. Consequently, it is regarded as axiomatic for a young engineer to have first-hand experience in the use and fashioning of the materials he will use for this purpose.

Although in his professional life he will not be engaged in this practical work personally, nevertheless his ideas and designs will be converted into reality through the activities of craftsmen and through a chain of professional men and technicians whose skills and responsibilities, attitudes and customs he should understand. This he can only really acquire by working with them and being admitted to their confidence.

The complex nature of modern industry demands an increasing degree of specialist knowledge in addition to the broad background and it is therefore important, if industrial training is really to prepare a man properly for his first responsible appointment, that a definite goal should be set as soon as possible. In the main this means finding the answer to two questions; firstly, what sort of engineering does the man wish to work in? e.g. steam turbines, automobiles, power generation; and secondly, to which function it is that he thinks his personal aptitudes and interests are most suited, e.g. commercial, design and engineering, research and development, manufacturing, operation and maintenance.

It will be readily seen that the answers to these two questions can lead to many different forms of industrial training and might indicate the need for postgraduate study to fill in gaps in his technical knowledge. Most graduate apprenticeship schemes in the United Kingdom take account of these factors and contain an element of training in the use of engineering tools. They give the opportunity of working side by side with skilled craftsmen and technicians in the early stages and later on give the opportunity of working alongside professional men to learn how they discharge their responsibilities. The term apprentice is used in preference to any other, because it is widely accepted in British industry, and at all levels the responsibility of passing on techniques and know-how to apprentices whatever their grade is widely accepted by craftsmen, technicians and professional engineers. On the other hand, men bearing titles such as Management Trainee are often regarded with some suspicion and there may be reluctance to pass on valuable information which cannot be gained except by personal contact in an atmosphere of mutual confidence.

This sort of know-how is regarded in the United Kingdom as being extremely valuable and undoubtedly contributes much to the establishment of harmonious relationships and efficiency in translating ideas into hardware.

G. S. B.

TRIBUTES TO DR. H. H. BURNES, C.B.E., FORMER ADVISER,
BY PAST ATHLONE FELLOWS

(1)

Like most Athlone Fellows, when I think back to England and the Fellowship, the first person who comes to mind is "the good Doctor". I probably knew Dr. Burness as well, or maybe a little better than most Athlone Fellows, because I was in the fortunate position of never being placed more than a half an hour train ride from the Ministry of Education. This enabled me to park on his doorstep with all my problems and through the many discussions I had with Dr. Burness, I got to know and appreciate his contribution to the Fellowship.

Dr. Burness was a very dedicated man. His interest in the Fellows had a much greater depth than his job required. He was intensely interested in the progress of the students and derived a great deal of inward satisfaction from the successful students, and conversely, felt disappointed if the student did not take full advantage of the available opportunities.

One characteristic which appealed to me more than any other was the length he would go to obtain for you additional experience or educational advancement. One such incident occurred during my first year in England. I became quite interested in the Managerial Course at Cambridge University. I wrote to the University explaining my interest in this course, and found that the course was filled. I wrote to Dr. Burness explaining the situation to him. A number of letters, personal visits and more letters followed, and Dr. Burness, as he so often did, performed the impossible and obtained a place for me in this course.

Dr. Burness was a very capable administrator, a man who had a great deal of personality and charm, and most important of all, one who was interested in the progress of the Fellows.

D. C. Lowe,
1955 Fellow

(2)

What impressed me most about Dr. Burness was his complete willingness and his efforts to please the Fellows and to satisfy their wishes. I am especially thinking of his efforts to place us with the company or school of our choice. At the end of my first year I wrote and asked if he could place me with two companies with whom I felt I would like to spend some time. It turned out that neither of them was willing to take anyone, and when I was discussing this with him later I received the impression that he was more disappointed than I over the failure to arrange anything. He did, however, make sure that I had at least a visit to the companies in question before I left England.

Dr. Burness' wide knowledge of industry impressed me also. My particular interest was paper making and in the first interview when I applied for the Fellowship, I was surprised to hear him launch into a discussion of some obscure phase of the subject about which I knew nothing.

Perhaps many of us, as I did, got to know the Doctor best after those late afternoon visits to his office in the Ministry when we would retire to his favourite pub in Curzon Street to have a pint while listening to a few of his amusing anecdotes about his trips to Canada.

On the whole I found Dr. Burness a genuinely friendly man, not in the least a stuffed shirt, and a man with whom one could feel completely at ease.

R. R. Affleck,
1955 Fellow.

MY FIRST YEAR IN BRITAIN

by F. C. Lockwood

(F. C. Lockwood is a 1958 Athlone Fellow from Queen's University, Kingston, Ontario)

It is not easy to describe, in so many words, my first year in England. If I had written down my experiences from day to day, it would be much easier. One does not adjust to a new way of life overnight. My impressions and feelings about Britain have had to be changed and modified many times during the year and are only now slowly stabilizing. Thus, looking back at all the various aspects of my life in Britain and trying to recollect how they affected me at the time is very difficult indeed.

Realism is the desirable thing. In order to try and make things sound amusing and exciting, one can easily adopt a cheery travelogue type of approach which will probably be altogether too unrealistic. Yet a realistic essay, which must criticize as well as praise, is bound to tread on someone's toes and therefore, I have attempted to choose a middle course which is neither too specific nor too vague. I hope that, in this manner I can convey at least a few of my impressions of England and also that they might be of some interest to future Fellows.

As the ship glided into Liverpool harbour, I can remember gazing at the seemingly infinite number of chimney-pots, stretching into the distance from either bank, and wondering just what it would be like in England. I am sure that all the Athlones were asking themselves similar questions, viz: Will two years in England prove worthwhile or will I return to Canada, no further along the road of my career, with little gained other than two years of age? Will I find the British way of life enjoyable and possibly will I be able to live comfortably within the Athlone allowance?

As soon as we set foot on the dock, we began rapidly to form our very first impressions of Britain. The first thing I did was to try and organize my baggage. As I entered the baggage room, any Canadian ideas I had about the reserved English were immediately shattered; I have rarely seen such utter confusion. Possibly, to be fairer to British management, I could more aptly describe the scene as organized chaos. After considerable dashing about in this tumult, I finally learned that our baggage was in a separate room. Arriving in the proper room I found a decidedly more civilized atmosphere complete with stolid customs officials.

I was to spend my first year working in industry in Coventry. My knowledge of Coventry was meagre to say the least. I vaguely understood that Coventry was a city in the British Midlands, the geographically central and highly industrialized part of the country. I knew, as does every other Canadian engineer, that Godiva was a lady who through Coventry did ride, I also learned from an Englishman on the boat that there was an old English expression which you used when you refused to associate with a person. You would say that you had "sent him to Coventry." This apparently originated because of a belief that the

people of Coventry were not considered too talkative or friendly. So, it was with mixed feelings and some anticipation that I approached Coventry.

I arrived in Coventry by train on a grey and rainy afternoon. Having just spent my first two weeks in England, in gay and exciting London during reasonably sunny weather, I did not find Coventry particularly impressive. Rows of small, detached, red brick houses pressed in on the sidewalks. The air was thick and dirty, although when I later came to realize how much industry there was in Coventry, I could not consider the air as being particularly foul. After a short walk from the station, I found myself in the city centre. The centre of Coventry was very badly bombed during the war and is being rebuilt along very modern lines. It is impressive and an interesting study in town planning and like most present day British architecture, it is sharply contrasted by more traditional surroundings. I came to a square in the heart of the town centre where I perceived a life size statue of a nude woman sitting on a horse. Due to my engineering background, I sensed the situation immediately: this was obviously a memorial to the legendary Lady Godiva! Considering the population of Coventry, 275,000, it's centre is not very large and I soon found myself back between the endless rows of detached, red-bricked houses. My first impressions of Coventry were not unfounded. I decided very quickly that it was very industrial, very working class Britain and very much a large member in the British economic structure.

I started work the next morning and before long I found myself settled and running in a routine groove. At first I found myself on an industrial training scheme. Now as these are relatively common in Canada, most Athlones will be familiar with what they generally involve. A training scheme gives one a thorough insight into an industry and is for a time, quite interesting. But they seem always to involve far more of watching others than doing things oneself. After a few months, you begin to tire of this and desire something more stimulating, something that will at least tax some of your engineering training. In my case, I was fortunate as the firm managed to find me a place in their research department. However, this did give them some difficulty since I was only to be with them for a few more months. I have come to the conclusion that a year spent in industry is perhaps the wrong length of time. A few months would allow you to look over the whole organization while two years would be long enough to get your teeth into a job with some responsibility. But a year is too long to spend on a training scheme, looking and not doing, and too short a time to allow you to come to grips with any sort of a responsible job.

There were a number of other young men doing the same training scheme and except for one other Athlone, they were all British. They all had a good education and on completion of the training programme they could expect a reasonable job which would be well on the road towards an executive position. A very hard thing for a young man, fresh from Canada and full of the so-called pioneering spirit, to get used to is the static outlook of the average British lad. Their ambitions are not as razor keen as those of young Canadians. They do not seem to suffer from the restless, "I must get ahead in the world" feeling to the same extent. I do not mention this as a criticism since an easy going, "take things as they come" attitude would seem to have merit in this nervous fast moving modern world. The British lad is not so concerned about salaries and the hoarding of material things and this certainly cannot be condemned. Nevertheless, to a young Canadian, this attitude can be rather bewildering at first. Very few of my fellow trainees had concrete ideas about their careers or even the job they would like when they finished the training programme.

An Athlone living in the provinces, and more than likely in a British home, cannot avoid wholesale subjection to the British way of life. Frankly, it is not the same in cosmopolitan London where it is all too easy to associate with fellow Canadians or other foreigners. Living in the provinces, you very quickly become aware of such things as pubs, fish and chip shops and football pools. At first you are terribly keen to learn all you can about Britain. You rush about buying this and that newspaper and magazine, ask people a lot of questions and are generally very alert. You notice a lot of seemingly odd little customs and ways of doing things. Of course, some of these you find downright annoying. You point

out to your British friends, with some pride, the Canadian way of doing this, that, and the other thing and how much superior it is. They are unimpressed and fail to think that it is superior. You, of course, are then even more annoyed.

One thing which annoyed me intensely at first, and for that matter still does, is the readiness of the British to form a queue. Now admittedly, queueing definitely has advantages in many instances but the British people, noted for their independence of character, their dislike of rules and regulations which infringe upon individual freedom, seem entirely addicted to this habit. They seem to be able to stand contentedly for ages in a queue wearing machine-like, stolid expressions resembling so many robots lining up for fresh batteries. But after a while you see that fighting these things will get you nowhere. The British way may not always be the most practical way but if there is any element of tradition involved, if it has been done this way in the past, then, to the British, it is automatically the best way. So you stop your furious swimming against the tide and start to drift along with it and stop singing about the superiority of things on the other side. The British were tired of that old song long before you arrived on the scene! Of course, while doing this, you must never forget your Canadian upbringing or lose faith in its superiority.

One cannot consider Coventry as being a typical provincial city. It is, I think, fairly representative of Midland cities. As I have already said, it is extremely industrial and very much a working class city. The majority of its people are employed in the factories and many of them will spend a very large portion of their working lives doing precisely the same job. Whereas, I would think nothing of travelling to London for the week-end, I met a number of people in Coventry who had not been to London since the war and had only been then as a result of their military life. Wages are high in Coventry but high prices offset this somewhat. Coventry people are satisfied with simple pleasures and do not spend lavishly. They spend most of their spare time watching television or in the local pub or working about the house. The frequent football games are well attended. Late evenings are rare in their lives since their factory jobs require them to rise quite early. In some ways they tend to be a little narrow-minded but they are nevertheless contented and this is more important.

Now, although Coventry with a population of 275,000 is big by Canadian standards, it definitely lacks night life. It does offer two theatres, one of which is quite renowned, and a few cinemas, but not a great deal more. Concerts are almost non-existent and dances are few. A restaurant or a coffee bar which stays open until midnight is indeed a rarity. Of course, there are a lot of pubs, the melting pot of English social life but even they, in a flourish of bell ringing and light blinking, close precisely at 10.00 p.m.

Industry has made Coventry grow: it has grown rapidly and is still growing rapidly because of the employment it offers. New housing has spread over the surrounding countryside with the result that the city centre is disproportionately small and rather more akin to a large town than a sprawling city. Coventry is a very old town but not such an old city. It does not revolve about museums, art galleries and the like. It is fortunate in that it has a hard-working and progressive city council which is striving to keep pace with and to organize Coventry's increasing size and prosperity. The rebuilding of the bomb destroyed portion of the city centre is well on the road to completion. It is both modern and impressive. Coventry will also soon be able to boast of a new Cathedral. It is in the final stages of construction and replaces the original which was damaged beyond repair in the war. When finished it will truly be magnificent.

During the long winter evenings in Coventry, you find ample time on your hands to catch up with your reading, studying or letter writing. If you are athletically inclined, there are plenty of social and athletic clubs with quite reasonable facilities. If you can overcome the transportation problem, many enjoyable evenings can be spent in the very pleasant country pubs which surround Coventry. Stratford-on-Avon with its world famous theatre is a

were twenty-five miles away. The summer months in Coventry can be very pleasant indeed. They offer you the chance of travelling about the very pretty country of Warwickshire. A visit to one of the many Warwickshire villages is a very pleasant way to spend a Saturday or Sunday.

Athlone Fellows residing in the Provinces usually stay in "digs". My case was no exception and since to a Canadian, living in a British house approaches an adventure, no Fellow writing about his experiences in England, no matter how brief the essay, can avoid its mention. There are certain inconveniences that you will have to put up with in virtually any British home. By far the worst of these is the lack of central heating. You are living in reasonable comfort until the nippy days start to arrive. Then you start to note with alarm the general lack of insulation which, during the warmer weather, you had only casually acknowledged. The complete lack of storm windows, weather stripping and all the other things which Canadians take for granted makes British homes downright cold, clammy and draughty. Even the very recent homes seem to be lacking in this respect. A national British pastime seems to be trying to convince themselves that they have a temperate climate with the year consisting of three seasons: Summer, Autumn and Spring.

Throughout December, January and February there were only two warm, or more truthfully, reasonably warm places in my digs: sitting almost on top of the coal fire in the lounge or in bed under a tremendous weight of blankets. The rest of the lodgers and I would sit amid carpet-lifting draughts continually making futile efforts to get our large chairs in an impossible small circle in front of the fire. Once in those chairs, nothing could move us for the duration of the evening except once when in an amateurish attempt to roast some chestnuts, red-hot chestnuts started to shoot out of the fire and ricochet about the room. We would sit, talking, writing letters and so on, well into the night until, as it grew ridiculously late, we would finally muster up enough courage to dash up into our unheated bedrooms and leap into bed. This sensation could be compared to climbing into a box of fresh caught Arctic fish. Hot water was no less a problem. The hot water flowed so slowly that it was almost impossible to get a satisfactory amount of water in the bath-tub before it cooled off. The ultracold bath-room would become so steamed up that it made little difference whether the light was on or off. My fellow British lodgers who had given up trying to convince themselves how tough the British are after the first cold week, resigned themselves to saying that this was the way it has always been, so, logically, it must continue to be this way.

My first year in England although not entirely a bed of roses has been an enjoyable one. In so short an essay, it is only possible to convey the most meagre and vague thoughts of how it has impressed me. I am spending my second year in London and am finding it a good deal different from the Provinces. I am therefore happy in the fact that I will be able to return to Canada with an overall and true picture of Britain. So far, Britain has been a unique and wonderful experience for me and I would not have missed it for anything.

F. C. L.

SHORT THOUGHTS OF AN ATHLONE FELLOW
ON HIS STAY IN THE UNITED KINGDOM

by Paul Ukrainetz

(Paul Ukrainetz is a 1957 Fellow from the University of Saskatchewan. He spent two years on aeronautical engineering with the Bristol Aeroplane Co. Ltd., Filton, Bristol. Since his return to Canada, he has resumed studies at the University of British Columbia).

As I look back on the time I spent in England, by courtesy of an Athlone Fellowship, I am more than ever convinced that it was a wonderful two years of my life. I realize this more now that I have come back to Canada. Gaining a real insight into the life of British people on one side and British industry on the other, is something I will cherish for a long time.

The rather simple and easy way of life was certainly appealing to me. Gone is the rat race that is so evident in our new world. The friendly atmosphere at the pub, the warmth of the traditional fireplace at the home, the politeness of the people, and the efficiency with which matters are run, are peculiar only to England and are certainly striking examples to other nations. The country itself is very beautiful and is really a lot of little parks within one big park. The only thing I disliked about the weather was the fog in the fall and winter -- it caused chaos in the rather orderly way of life.

British industry is advanced with respect to mechanization and methods of manufacture. A high quality of labour exists, especially in the aeronautical field. The quality of technical training given is second to none. The apprenticeship scheme offered by many industries is of great value to persons who are unable to attend university. All in all, the British Engineering industry is making spectacular advances and the scope is great for those interested in developments of this nature.

An overall expression is of satisfaction and contentment. The Athlone Fellowship Scheme makes one more critical of his surroundings and gives one a different outlook on life. It strengthens our ties with Britain and makes us better citizens of Canada upon our return.

P. K. U.

PR[K5.5-

ATHLONE FELLOWSHIPS

NEWS LETTER No. 5

JANUARY 1961



THE ATHLONE FELLOWSHIPS

NEWS LETTER No. 5

January, 1961

With the compliments of the Secretary to the Managing Committee

Board of Trade,
Horse Guards Avenue,
London, S.W.1.



THE ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Sir Julian Pote, J.P. (Chairman)
Sir Douglas Logan, D.C.L., LL.D. (Vice Chairman)
G. S. Bosworth, Esq., M.A., A.M.I.Mech.E., A.M.I.E.E. (British Electrical & Allied Manufacturers' Association)
R. Haslam, Esq. (Scottish Engineering Interests)
C. H. Howitz, Esq., M.Sc., A.M.I.C.E., A.M.I.Struct.E., M.I.Inst.H.E.,
(Federation of Civil Engineering Contractors)
D. D. Walker, Esq., M.A., M.I.E.E. (British Engineers Association)
Professor H.E.M. Barlow, B.Sc., Ph.D., M.I.E.E., M.I.Mech.E.
(Pender Professor of Electrical Engineering, University College, London)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., M.I.E.E., F.R.S.E.
(Professor of Electrical Engineering, University of St. Andrews)
Professor S. C. Redshaw, D.Sc., Ph.D., M.I.C.E.
(Professor of Civil Engineering, University of Birmingham)
Professor A. R. Ubbelohde, M.A., D.Sc., Hon.A.C.G.I., F.R.I.C., F.Inst.P., F.R.S.
(Professor of Thermodynamics, Imperial College of Science & Technology, London)
J. Young, Esq. (Trades Union Congress)
Captain B. E. W. Logan, R.N. (Retd.) (Federation of British Industries)
N. Sutcliffe, Esq. (The British Council)
V. I. Chapman, Esq. (Board of Trade)
Miss S. M. E. Goodfellow (Ministry of Education)
W. J. Smith, Esq. (Commonwealth Relations Office)
Dr. J. G. Strachan, H.M.I. (Scottish Education Department)
Dr. A. C. Monkhouse, C.B.E., Ph.D., F.R.I.C., M.Inst.Gas.E. (Adviser)
J. F. Palmby, Esq. (Secretary)

The Athlone Fellowships News Letter No. 5

Foreword by Sir Julian Pote, J.P., (Chairman of the Managing Committee in the United Kingdom)

For the second time I am writing a foreword to the Athlone News Letter, and this means I have had another twelve months' experience of the functioning of the Athlone Fellowships Scheme and the opportunity of meeting the further group of Athlone Fellows who arrived in this country in September 1960. It has only served to convince me more fully of how sound and worthwhile is the Scheme.

In March this year we held the second conference of Athlone Fellows, which sat in four discussion groups. This was a most stimulating experience. The Fellows, by the very nature of the questions put for discussion, were encouraged to criticise the operation of the Fellowships Scheme. Where criticisms were made, they were constructive and will be of inestimable help to the Managing Committee in their efforts to ensure that the maximum benefit is derived by the Fellows during their stay in this country.

It was most gratifying that the President of the Board of Trade and the Minister of State both found time to take part in the conference, the main object of which, the President so rightly stressed, was to make an excellent scheme still better.

During the conference it was pleasant to us to hear that some of the Fellows found the historical and traditional surroundings here stimulating. Quite apart from the technological aims of the Scheme, this contact with a rather different mode of living is a broadening experience leading to a much better and more sympathetic understanding of one another's problems. This is a benefit which will grow each year as the Athlone Fellowships Scheme grows older and the number of returned Fellows increases. It is evident that already there is much personal contact between returned Fellows and new candidates, and without doubt this is quite a contributing factor in the gratifying increase last year in the number of applications received and the goodwill and enthusiasm for the Athlone Fellowships Scheme which Dr. Monkhouse found in his 1960 selection tour of Canada.

Sir Julian Pote

Sir Arthur Fleming, C.B.E.

Readers will have learnt with deep regret of the death of Sir Arthur Fleming, C.B.E., on the 14th September, 1960. Sir Arthur Fleming was a member of the original mission to Canada to investigate the award of Engineering Fellowships on which the Athlone Scheme was subsequently based, and was the founder-chairman of the Managing Committee from 1951 until his resignation on retirement in 1958.

The help he gave was always constructive and unstinted, and it is to his initiative and drive, both before the inauguration of the Fellowships and subsequently from the chair of the Managing Committee, that the Scheme owes much of its success.

Note from the Managing Committee in the United Kingdom

The Managing Committee of the Athlone Fellowships Scheme have pleasure in issuing the 5th News Letter to Fellows past and present, and to others interested in the Scheme in the United Kingdom and in Canada.

Reports by Fellows and by their industrial supervisors and university tutors continue to indicate that the Scheme is working satisfactorily, and is achieving its aims. The universities and the increasing number of United Kingdom establishments which have accepted Fellows for training maintain their interest in the Scheme, and are giving it every assistance. To these friends the Managing Committee send their sincere thanks and appreciation.

The Managing Committee also wish to express gratitude and appreciation to all friends in Canadian universities, engineering industries, and in the offices of the High Commissioner and Senior Trade Commissioner of the United Kingdom, to whose continued enthusiasm and co-operation the Scheme owes much.

In September 1960, the 10th group of Athlone Fellows arrived in Great Britain; this brings the total number of Fellowships to 376. The following table shows the relative distribution of training programmes since 1951, and may be of interest:-

	<u>Two Years Industry or Industrial Consultants</u>	<u>Two Years University, College, or Research Establishment</u>	<u>Mixed Course</u>	<u>Total</u>
1951	8	21	9	38
1952	4	18	13	35
1953	16	11	10	37
1954	10	10	16	36
1955	8	12	17	37
1956	1	21	16	38
1957	2	25	9	36
1958	-	20	18	38
1959	-	27	14	41
1960	1	14	25	40
	<u>50</u>	<u>179</u>	<u>147</u>	<u>376</u>

To date, Fellows have elected for training in various branches of engineering in the United Kingdom, as follows:-

Mechanical (including production engineering and administration)	92	Metalliferous mining	2
Aeronautical	32	Petroleum technology	2
Electrical	85	Physical chemistry	4
Civil	73	Nuclear physics	3
Chemical	27	Nuclear chemistry	1
Physics	2	Nuclear power	26
Forestry	1	Environmental	1
Metallurgy	24	Geophysics	1
	2		
	2		

Of the 1958 Fellows who have completed the two years of their Fellowships and were due to return to Canada this year, 12 have remained in the United Kingdom; 11 to complete work for a higher Degree, and one to gain further experience with the firm of Electrical Engineers with which he was placed.

Athlone Associations:

On various occasions, Athlone Fellows have expressed interest in the possible formation in Canada of an Association for returned Athlone Fellows. This matter has been under active consideration by the Managing Committee, the Board of Trade and the Offices of the High Commissioner and the Senior Trade Commissioner for the United Kingdom in Canada. Certain progress has been made towards the formation of District Associations, and where there is evidence of a sufficient demand, the local Offices of the U.K. Trade Commissioners will do all they can to assist returned Fellows to set up groups throughout Canada. It is hoped that the main re-unions of these groups would be held in the early part of the year at the time of the Selection Tour, when there would be an opportunity to meet the Adviser and keep in touch with the Scheme and the old country.

The first group, to include all past Fellows in the Province of Quebec, has already been set up in Montreal under the Chairmanship of 1953 Athlone Fellow Jim Dooley who has kindly submitted the report on the progress of this group, on page 11 of this News Letter.

Returned Athlone Fellows who are interested in joining or forming a group should contact their nearest office of the U.K. Trade Commissioner, where information will be available on the latest position in that area, and the names and addresses of the former Fellows concerned.

Athlone Tie:

It has also been suggested that there should be an Athlone tie. There is, however, some doubt as to whether Canadians share the Englishman's penchant for "old school" and club ties, and it is not certain what the potential demand would be. It is, of course, essential to have some idea of this before going too far with the question of design, supply, etc., and it would be appreciated if past and present Fellows would indicate their personal views on the tear-off slip in this issue. Preliminary enquiries indicate that the price would range from about 11s. for a good terylene quality to 18s. 6d. for pure silk, plus postage. If there is evidence of sufficient enthusiasm for an Athlone tie, the matter will be pursued.

It is a source of disappointment to the Committee that despite appeals in recent News Letters, and their special request in September to Fellows in the United Kingdom for

material for inclusion in this and subsequent issues of the Letter, only three items were submitted. They, therefore, repeat that they will welcome notes from past and present Fellows about their experiences in the United Kingdom, and are particularly anxious to hear from past Fellows of their careers in Canada, their progress in their employment, and any incidents or items which would interest other Fellows or any of the other recipients of the Letter both in the United Kingdom and in Canada. They would also welcome contributions for the Letter from Universities and Employing Organisations, both in the United Kingdom and in Canada, on any matter which would be of interest to persons connected with the Scheme, and particularly any suggestions for its improvement.

The Managing Committee are also anxious to receive from all past Fellows, information to keep their records up to date. They will, therefore, be pleased if Fellows will complete the tear-off slip on page 17 and send it to the Secretary, Athlone Fellowships Managing Committee, Board of Trade, Horse Guards Avenue, Whitehall, London, S.W.1.

PAST FELLOWS MAY TELEPHONE CHANGES OF ADDRESS TO THE NEAREST OFFICE OF THE U.K. TRADE COMMISSIONER IN CANADA.

1960 CONFERENCE FOR ATHLONE FELLOWS

(Note by the Board of Trade)

Following the success of the 1958 Conference, a further Conference was held on the 29th and 30th March 1960 at which 73 of the 1958 and 1959 Fellows attended.

It was hoped that the Conference would enable Fellows with very diverse interests and purposes to meet to share a common activity for a day or so and to compare notes. More particularly, however, it was designed to give Fellows an opportunity of voicing their personal impressions of the working of the scheme. It was recognised that the views of 73 graduates coming from all parts of Canada were unlikely to follow any consistent pattern and that their experience in a wide range of United Kingdom firms and university courses would be very varied. It was hoped however that, providing the Fellows got down to it, some of the ideas thrown up could be turned into practicable and useful improvements of the scheme.

On the first day the Fellows were divided into five separate groups according to their personal interests and/or field training to visit one of the following:-

The new main line signal box and a control office at St. Pancras Station;
The Electricity Area Distribution Centre at East Grinstead;
The British Standards Institute Headquarters and their testing station at Hemel Hempstead;
The T.V. transmitter at Crystal Palace; and
The B.B.C. Studio Centre and Control Room at Lime Grove.

The main Conference was held at the Board of Trade Headquarters, Horse Guards Avenue, Whitehall, on 30th March; Mr. R. F. Bretherton, C.B., of the Board of Trade, presiding. The opening address was given by Mr. Reginald Maudling, M.P. President of the Board of Trade, who stressed that the main object of the Conference was to make an excellent scheme better and urged those attending to make any points which occurred to them without pulling

their punches. After this the Fellows dispersed into four separate groups to discuss the four questions allocated to them. The chair of each group was taken by an official from the Board of Trade or Ministry of Education, and they found that there was no lack of ideas, willingness to express them and indeed healthy disagreement.

Fellows reassembled before lunch for a most interesting and stimulating talk on "The Problems of Maintenance in a Large Plant" given by Mr. W. F. Cartwright, M.I.Mech.E., Assistant Managing Director of the Steel Company of Wales Limited, after which he replied to a variety of questions put to him by the Fellows.

In the afternoon, Sir Julian Pote, J.P., the Chairman of the Athlone Fellowships Managing Committee, took the chair at the General Assembly when the group reports were presented and discussed. Dr. Monkhouse, the Athlone Fellowship Adviser, and several members of the Managing Committee were present throughout the day, while others joined the final session in the afternoon.

The questions put to the Fellows for the group discussions were:-

- (i) what difference will the experience obtained in the United Kingdom have upon your choice of work and your advancement prospects in Canada?
- (ii) in what respects has the training failed to come up to expectation? Has it in any way supplied something that had not been expected?
- (iii) are the objects of the scheme likely to be realised by (a) academic training; (b) industrial training; or (c) a combination of the two?
- (iv) what advantages are you obtaining from your stay in the United Kingdom other than the training received at the college or firm to which you are attached.

The following paragraphs summarise the consensus of opinion where one emerged or record strongly held views or contain suggestions for improvement whose practicability will be considered.

(i) Choice of work and advancement prospects on return to Canada

In view of the demand in Canadian industrial undertakings for academic qualifications, it was argued that industrial experience in the United Kingdom commanded less response than additional degrees. The prestige of two years at a United Kingdom University as an Athlone Fellow was likely to secure market value on return to Canada but the value of industrial training in the United Kingdom, with methods and equipment so different from those to which many Canadian firms were accustomed, was a matter over which Fellows differed: some felt that Canadian companies would be disinclined to set store by industrial training in Britain; others thought that the diversity of technical experience open to them (particularly in fields where comparable training was not available in Canada) and their acquaintance with British goods and services, as well as with British ways, would stand them in good stead. Fellows were, however, agreed that the stimulus of their stay in the United Kingdom in the atmosphere of a different society and culture would in all probability have a significant effect on their ultimate choice of employment.

(ii) The fulfilment of expectations

By way of preliminary, Fellows suggested that it would be beneficial to the scheme if the Selection Boards met earlier in Canada. January to February carried the disadvantage that American and Canadian firms had started their recruiting in the

previous December. Earlier selections would leave more time for Fellows to plan their training programmes. (The complete freedom of personal choice to Fellows in arranging their training programmes was generally appreciated although it was still often felt in Canada that those who asked for industrial training were more likely to get awards).

Fellows at universities were generally quite satisfied that they had more scope for academic advancement than they would have obtained in Canada. Fellows who had been at the Business Administration Course at the London School of Economics particularly valued the training which a Canadian engineering graduate could receive there fitting him for an administrative position later in his career.

So far as industrial training was concerned, the experience of Fellows differed. Some felt that firms failed to appreciate that Athlone Fellows already had a certain amount of industrial experience through vocational employment in Canada and that in consequence training to suit their requirements needed to be more individual than that arranged for student apprentices at an earlier stage in their career. Small and middle sized firms had usually been found flexible in their approach and able to cater for individual needs. Larger firms were not always in a position to give Fellows enough to do and tended to rely heavily on observation as a means of training. One aspect of the training valued by Fellows was the opportunity to take industrial visits. Regret was expressed, however, that some firms did not allow sufficient time for Fellows to participate in visits, particularly to their competitors. As to the visits themselves, Fellows expressed the wish that they could have the benefit of the experiences of their predecessors in some recorded form indicating the useful firms to visit, the people to contact and what arrangements were likely to be made to receive them. Industrial holidays in the United Kingdom are frequently for two weeks a year only, but some Fellows felt that there was a case for extending the holidays for Fellows in industry to 4 weeks - the same as for those at a university.

Under the conditions of the award, Fellows were expected to return to Canada and were not allowed to accept paid employment in the United Kingdom at the termination of their Fellowship. It was felt, however, that they should, after 2 years, be allowed to utilise their experience for a third year with a firm other than that with which they had been placed without losing their entitlement to the return passage to Canada.

On the financial side of the scheme, some considered that it should be made possible to retain the Fellowship for three years in order that Ph.D. and/or a combination of industrial and M.Sc. training might be taken with a measure of security. It was also proposed that the cost of living in the Provinces compared with London was not substantially different and the disparity in the maintenance rates was accordingly not justified. On the whole, those in industry had more financial difficulty than those at a university. Some Fellows, including single men, suggested that there should be some additional allowance for married Fellows whose wives could not work and consideration might even be given to an allowance on a sliding scale according to earnings for those who could. Married Fellows sometimes had a difficult time financially which could prevent them from obtaining the maximum benefit from their Fellowship. Particularly was this so when there was a baby as well as a wife to provide for. As a rider to this it was considered that there was need for more information about the scheme as a whole, particularly to enable married Fellows plan their domestic arrangements. In this context, it was observed that past Fellows who had brought their wives with them to the United Kingdom could assist with reports on their own experiences.

The opportunity provided by the Conference for Fellows to take stock of their experience under the scheme with each other and with the Managing Committee and the Board of Trade was valued. Interesting as the visits of the first day had been, it

was felt that it might be better if future Conferences could take in the extra day for discussion instead. It would also be an advantage, particularly for those outside the London area, if the Board would organise and pay for regional gatherings of Athlone Fellows.

(iii) The comparative benefits of academic, industrial and combined training

The general feeling was that so far as the Fellow was concerned the comparative advantages to be derived depended mainly on the individual and if a Fellow returned to Canada content with his training whatever he had done, this could not fail to be beneficial to the objects of the scheme. As already indicated, there was a marked interest in and satisfaction with training received at universities whereas the practical training received in industry might be more dependent on the particular interests of the Fellow and the particular firm with which he was placed. There are certainly many products and lines of trade which are available in the United Kingdom and which are attractive to Canada. On the other hand, it was felt that there was considerable benefit to be derived from one year industrial and one year university training; and Fellows who spent all their time at a University during which they would make contacts with a broad range of industry might still fulfil the aims of the scheme. Where a Fellow chose a combined programme, experience seemed to suggest that the first year should be spent at a university to enable the Fellow to make a better selection for his second year training in industry. A year spent in industry first would probably not be successful if a Fellow were not clear at that stage precisely what he wished to obtain from it.

(iv) Wider advantages of a stay in the United Kingdom

Not unexpectedly, this was a question producing widely different individual reactions though certain points emerged in common. Fellows observed that the proximity of the United Kingdom to world affairs and the medium of a national press stimulated a greater interest in current events in the United Kingdom than in Canada. In turn, this prompted a look at Canada from a distance and her contributions to the world today. Such a scrutiny suggested that whereas Canada was perhaps preoccupied with material things, this produced business attitudes and forceful salesmanship which Fellows found lacking in the United Kingdom. On the other hand, there was perhaps a greater traditional awareness of things cultural in the United Kingdom than there was in Canada and this had not inhibited modern progress and technological achievements over here.

Both the Board of Trade and the Managing Committee have been considering the many useful points raised and a number of changes are likely to be made in the 1960/61 year, while other suggestions which would take longer to effect are being investigated. In short the Conference appeared to the Board of Trade to have achieved its object and, to judge from their informal comments afterwards, was of value to the Fellows themselves in giving them a chance to meet one another as well as the Managing Committee and officials of the Board of Trade.

The Conference terminated with a cocktail party at which the host was Mr. F. J. Errol, M.P., Minister of State, Board of Trade, who himself trained as an engineer.

Anyone studying the history of Canada is amazed to see how in a relatively short period an essentially agricultural community has changed to one which is highly industrialised. Canada is a country of great natural resources - wood, metals, coal, oil, natural gas and water power. The population is increasing at the rate of over 2.5 per cent per annum. There are today as many Canadians employed in manufacturing industries as in the combined industries of farming, fishing, mining and construction. The growth of industry is exemplified by the fact that since 1939 manufacturing establishments have increased by more than 50 per cent and the total number of workers by more than 100 per cent.

This industrial growth has necessitated an expansion in research facilities, as shown by such bodies as the National Research Council of Canada, the Department of Mines and Surveys and the provincial research organisations. Industry has also extended its facilities, particularly in the chemical and oil industries. The universities are also expanding their engineering faculties. All this is making an increased demand for trained graduates in teaching, research and industry.

The Athlone Fellowships continue to be attractive; in 1960 there were three applicants for every Fellowship, both those given to graduates completing their degree and those who have spent a period in industry. In order to allow candidates to decide earlier their future careers the selection tour began at the larger universities in the industrial areas. This proved advantageous. British Columbia and the prairie universities were then visited and finally Quebec and the provinces of Nova Scotia and Halifax.

There has been expressed a desire by returned Athlone Fellows who attended the various receptions to form groups which could meet occasionally to renew acquaintances and also to help and give advice to potential Athlone Fellows. As a beginning a group was started in the province of Quebec and other groups may be formed. In all some 270 Athlone Fellows have returned to Canada since the scheme started but many of these may be working at places far from the larger cities.

Of the 40 Athlone Fellowships awarded in 1960, 16 Fellows opted in their first year for courses at Imperial College, London; 7 at Cambridge University; 5 at Birmingham University; 1 at University College, London; and 11 in industry. In the last group 3 are with Associated Electrical Industries Ltd., (2 at Manchester and 1 at Rugby); 1 each with The General Electric Co., Erith; The Shell International Petroleum Co. Ltd. (Thornton Research Centre); Wiggins Teape & Co. Ltd. (Bridgend Paper Mills); The National Gas Turbine Establishment, Pyestock; The National Engineering Laboratory, East Kilbride; Industrial Business Machines Ltd., London; Freeman, Fox and Partners, Ltd., and with Sir Wm. Halcrow and Partners. A wide range of engineering is thus being covered.

Athlone Fellows enjoy a high reputation in the United Kingdom and this is very helpful in arranging their placings both at university and in industry.

A.C.M.

by J. E. Dooley

It is a pleasure to have this opportunity to write an article for the Athlone News Letter and to describe the formation of the Quebec Athlone Association which incorporates all of the Fellows resident in the Province of Quebec.

This group was started quite spontaneously arising out of a desire by those who have shared a common experience to get together from time to time and promises to grow steadily in number and scope as Fellows return from the U.K. There are now about 60 returned Fellows in Montreal with about 30 in the rest of the Province and these numbers are increasing at the rate of about 15 or so each year.

During Dr. Monkhouse's visit to Canada last year on his second selection tour, the U.K. Trade Commissioner invited the Athlone Fellows in the Montreal area to a cocktail party in order that they could meet and discuss their experience with the Selection Committee. At that time a few of the Fellows, particularly those who have been back in Canada for some time, realized that this was the first time that the Fellows had met together officially since their return to Canada. It was unanimously agreed during discussions at this opportune time that we should have some means of arranging to meet from time to time and that these occasions should not be left entirely to others. It may be reported that the party became very boisterous with laughter as experiences in the U.K. were recalled and it is to be feared that Dr. Monkhouse, who was the most charming of guests must have wondered just what sort of people Athlone Fellows are. (I thought it a most enjoyable and entertaining evening, which I hope will be repeated during my next visit - A.C.M.) Nevertheless it was evident that there was a strong desire among those present to have other opportunities for association.

Following suggestions made on this occasion and the favourable response to a subsequent questionnaire, a meeting was arranged to discuss the form of organization and to make plans which would best suit our interests.

It was decided that the organization should proceed slowly with a limited program aimed initially at providing opportunities for the Fellows to meet socially but with the thought that out of these meetings more serious objectives would arise in a natural way whereby the Fellows could make a more positive but, as yet, undefined contribution. At a subsequent meeting it was suggested that the Fellows may be able to achieve something very worthwhile by making themselves available to prospective candidates in an advisory capacity. This is being explored with the Fellowship Committee.

At the organizational meeting which took place in May of 1960, it was decided that the first activity most appropriate to our numbers, history, and to our resources was a supper party to be held in cooperation with the Trade Commissioner and with the Athlone Fellowship Selection Committee and various educational and industrial leaders as honoured guests. Active arrangements are in progress for this function which will take place either on the last Saturday in January or the first Saturday in February of 1961 at the University of Montreal Social Centre. We are all looking forward to a memorable evening.

In response to suggestions the Trade Commissioner in Montreal has undertaken to keep the address list in their offices and to make revisions to this list as notification of changes are received from the Fellows. We hope Fellows will be sure to pass on any changes and thereby assist in the very difficult task of keeping this list up to date. Furthermore, we are hoping that the other seven offices in Canada will keep similar lists of the Fellows in their respective areas so that Fellows travelling in these parts will be able to make contact with old friends.

At about this time in our organization David Gwinnett, the Trade Commissioner, returned to take up another post in the U.K. We are all very grateful for the advice and kind assistance which he gave in the formation of the Association and the many friends which he made in Canada certainly wish him the best of luck in his new post in London.

It can be seen that certain commitments were passed on to his successor, Mr. Roy Fox, who has arrived in Canada from a post in Nairobi. We hasten to say that we are delighted with the way in which Mr. Fox has taken up these tasks and as the initial gesture he and Mrs. Fox very kindly gave a cocktail party during September in order to get to know the Fellows and to provide a means for the group to hold a business meeting. This was a very pleasant party and it was with extreme difficulty that we managed to break into the enjoyment for a short business meeting.

At that meeting the plans for the supper party were approved, many suggestions were made, and the committee was chosen. The committee is as follows:

Chairman	- J. E. Dooley (1953 Fellow)
Quebec City Representative	- (to be selected by the Fellows resident in the City of Quebec)
Secretary	- Y. L. Rousseau (1952 Fellow)
Treasurer	- J. E. Henderson (1956 Fellow)

Well, that about concludes the story to date except to say that it is indeed a pleasure to be associated with Athlone Fellows again and I am certain that those who have been involved in these activities are looking forward to future gatherings and to the time when we may make some worthwhile contribution to Society.

J. E. Dooley

Montreal, 28th October 1960

SHORT REFLECTIONS FROM MID-ATLANTIC ON THE JOURNEY HOME

by E. M. Fanjoy

(Emery Myles Fanjoy is a 1958 Fellow from the University of New Brunswick. He spent his two years on electrical engineering (communications); the first at The Imperial College of Science and Technology and the second with the General Electric Co., Ltd.).

Now travelling home after two years in Britain, one naturally finds oneself thinking "Was it worth it?". It was two years at a good salary lost and it used up all the savings so helpful to a newly married couple. In spite of this, my wife and I both feel that we did the right thing and would recommend it to any other young couple in similar circumstances. Britain will always bring to mind now fond memories of the wonderful summer of 1959 - and the fog and smog in London; the warm cheery fire-places - and the cold cold bed-rooms; the many and varied musical entertainments - and the roar of motorcycles, the fenlands and the highlands, booming aggressive Coventry and interesting Polperro, the M.1 and the twisting high-hedged unclassified roads. It is a land of many contrasts in a small area and although some things were not so pleasant at the time, they are now all looked on as being part of the pleasure of living in a different country.

Moving away from home also gave us a chance to see Canada in a less biased and more critical light which can be of great benefit to the individual and, in the long run, to the country.

For the chance to spend two years in the United Kingdom and to look at Canada from the outside, the Fellowship was well worth taking quite apart from any professional advantage it offers.

I feel that the technical training received suited my personal needs very well, and for the wide freedom to plan my program I am indebted to the Managing Committee and to the General Electric Co. Ltd. The actual training could probably have been done in Canada or the United States just as well, and how much recognition Canadian employers will give for two years' training in Britain only time will tell. The Fellowship does, of course, give one a knowledge of, and personal interest in, British industry which no amount of reading and advertising can do. On this rests the future of the Scheme, and if the old country can continue to design and manufacture modern quality equipment at competitive prices international markets will be assured.

We are sincerely grateful to the Athlone Fellowships Scheme and wish it continued success in the future.

E.M.F.

HEATHER SKI-ING

by R. S. Forbes

(Robert Stuart Forbes is a 1959 Fellow from Queen's University, Kingston, Ontario. He spent his first year on production engineering with Alexander Pirie & Sons, Ltd., Bucksburn, Aberdeen, and is spending his second year on the M.Sc., Production Engineering Course at the University of Birmingham).

"Darn that alarm! Who set it so early?" Ah yes, it's Sunday, and I promised to go ski-ing today. Well, I've been up before six on many an occasion and lived to tell the tale so...

A quick wash and shave, and then down to the kitchen for a big bowl of porridge, sausages, eggs, tea and toast. One of the essentials of Scottish ski-ing apparently was to have a big breakfast, and I'm not one to complain - about eating!

And so began a wonderful Scottish adventure. I was living in Bucksburn at the time, five miles north of Aberdeen and had joined the Aberdeen Ski Club; thus signing away my quiet Sunday afternoons in some lonely country pub (as a bona fide traveller) to a day of vigorous outdoor activity. Little knowing at the time that my "vigorous outdoor activity" involved something like 12 hours hard labour.

By 6.25 I was all set; lunch, skis and ski boots. My pack was a bit heavy, but I had been told that a complete change of clothes was essential. And so, with clothes, thermos bottle, sandwiches, biscuits and ski wax my pack was an appreciable weight. And much more appreciable after a five mile walk. But with undaunted spirits I set off with my load for Aberdeen on this cold frosty Scottish morn. I had planned on a casual walk into town and so had generously allowed myself 85 minutes, but for once (?) my mathematical engineering mind failed me. I shall not mention how late I was but many minutes later I arrived, not very casually, at the bus stop. As far as I was concerned, I had done my day's work. But there was no turning back. After all, wasn't I a Canadian! Aren't Canadians supposed to be strong and hearty? Anyway, Aberdeen bus service doesn't go into operation until 9.30 on Sundays and I was darned if I was going to walk that 5 miles again. So with a brave smile I threw my skis into the boot of the bus and clambered aboard.

The trip into the Grampians was for the most part uneventful. I was hoping to get some sleep but that was not to be. The Scots are a friendly people and, I being a stranger, they were interested in knowing who I was, what I was doing and could I ski. During these conversations, I began to notice that all my fellow skiers were wearing a type of climbing ski boot. I rather chuckled at this for I thought it was a perfect case of Scottish economy. Little did I know.....

As the time passed I also began to realize that no one knew where we were going. I thought this unusual but hesitated to enquire why. I later learned that the decision was never made until we arrived at Profeits Hotel, - a small hotel in the foot-hills. A discussion then began between the committee and skiers who had been in the hills all week. In this way the best hills were selected each week. I thought this was an excellent idea and even more so when the snow was a little sparse in the spring. For today it was decided that Glas Maol near the famous Devil's Elbow had the best snow conditions.

As we wound our way up into the glen snow began to appear, 2, 3 and 4 ft. deep. Still, the hills looked barren and I thought we had a long way to go when suddenly the bus ground to a halt.

"Everyone out, we walk from here!"

I was petrified, - not another walk. But there was no avoiding it. While the barren wind-swept hills held little snow, the glens were blocked and the bus could go no further. As we weren't to be coming back to the bus, I laced up my boots and clumped out of the bus for my skis. Surprisingly, everyone was walking along the road. Not under-standing but deciding that conformity was advisable, I wearily lifted my skis and joined the walking skiers. About half an hour later, cars began to appear in small bypasses along the road that only British cars could fit in. Off on the left I could see a long line of skiers, laborously climbing a ridge, looking so very much like the old prospectors on the Chilkort Pass during the Yukon Gold Rush, that I had to chuckle to myself. The chuckle began to sound a wee bit hollow when I began to realize that I, too, was destined to climb that hill. "The climbing ski boots began to have more significance", for Glas Maol lay 3 miles off the main road over a number of mucky, soggy, rocky, heather strewn hills.

As I reached the peak of the last hill, the scenery was such that would make any skier's eyes glisten. Glas Maol was covered with snow; well, at least 60% of it and there seemed to be skiers everywhere. Up one side of the hill rested a sturdy ski tow and for this, I quickly murmured a prayer to St. Andrew. The first modern convenience of Scottish ski-ing I'd seen.

I turned towards the tow, determined not to waste another moment.

"Hey Forbes, where are you off to?"

"The ski tow!" I happily shouted back

"Best of luck, see you at the top". As I turned back to the tow I realized what he meant. No life was apparent around the tow and St. Andrew did not receive his customary blessing. The tow did not work at all that day.

The view from the summit of Glas Maol was super (in British terminology) for it was one of those exceptionally clear days (and any clear day is exceptional in the Highlands) and we could see the surrounding hills for miles around. Tired, but in good spirits we sat munching our lunches and admiring the vast vista of the Highlands. Ski-ing! Did someone mention ski-ing?

About 1 o'clock, 7 hours after rising, with my lunch comfortably digested, I put on my skis for the first time that day. It was now many months since I had done any ski-ing and so with a sudden surge of eagerness I pushed courageously off downhill. What a tremendous feeling it was to feel again the blast of fresh air on my face, the rush of snow beneath my skis, the exuberant feeling of freedom that comes to all downhill skiers. The snow was perfect for ski-ing. The snow! Where the! Smash!

"You should know better Forbes, you're not in the Laurentians now. You've got to ski from one patch of snow to the next".

"My Goodness Jock, you call that ski-ing. Ski 50 yards walk 20 yards to ski another 50 yards. Not for me, I'm staying right here."

"No! No! laddie, you ski over the heather. Just let your momentum carry you across. But remember - look out for rocks."

Tremendous! Heather ski-ing. That sounded pretty good to me, for it was something only Scotland could offer. Shaking off the snow and heather from my clothes I again set off enthusiastically downhill. Gradually picking up speed (for my rented skis were a bit heavy and in bad shape) and keeping an eye out for rocks, I again shot off across the snow, fully assured by my Scottish friends that all was well. Approaching the next belt of heather I carefully scrutinized it for rocks and then with a mighty shove shot on to it.

Whissssim, bump, bump, bang....crash!

As the little bits of heather floated softly down on my prostrate body, a gentle voice was heard to say -

"My Goodness! did you see that! I thought the Canadian said he could ski" followed by:

"Hey there old man, I thought you were an engineer? You should know that heather has a greater co-efficient of friction than snow. You've got to expect to slow down a bit when you hit it. Lean back on your skis like this and you'll shoot over, Nae bother.

Well, it sounded reasonable. I decided to keep my more vicious comments to myself for the time being and try out the new method. My ski pants were now soggy and mucky, bits of heather clung to my anorak, my left leg was bruised and I had a sore shoulder. I got to my feet, looking I suppose a bit shaken and desperate and went at it again.

Finally I did master the fine art of heather ski-ing and believe it or not in a remarkably short time. Actually you don't get much time to learn this unusual art of heather ski-ing. It took 20 minutes to climb the hill, 5 minutes to rest, and 5 minutes to descend (if you tried real hard to delay it as long as possible). Thus we made a remarkable 8 runs that day. But regardless of the work, it had been a wonderful day's outing. I had made some more friends, and had seen a little more of Britain. And so, in a tired, sore, hungry and wet sort of way I was well satisfied with my day.

At 4.30 we started back for the bus, this time determined to ski back. Unfortunately there was a lot of heather and rocks with a little snow mixed in to ski over, but then, they weren't our skis and we were able to cover the distance in half the time.

Someone had generously placed a pair of mucky ski boots on my suede jacket but by this time I was too tired to care. All I wanted to do was to settle back in my wet socks, pants and jacket and go to sleep.

"Wakee! Wakee! Everyone out, Profelts Hotel!" "Why must we stop here. I'm tired and hungry and want to go home".

"Come on lad, there's a roaring fire and the bar's open".

"Well, why didn't you say so sooner".

It was a wonderful warm welcoming feeling as each little rivulet of hot liquid found its way through my bruised and battered body. The heat from the fire was causing high clouds of steam to rise from my clothes and as the hot whisky found its way to my empty stomach, my spirits begin to rise.

With a final doch an doris we were soon again on our way home. And for the moment, our hunger and tiredness were forgotten, as song after song burst forth from Bonny Dundee to the Ball of Killemuir (both verses). The Scots have a wonderful selection of songs and I'm sure they sang them all on the short ride home.

"Forbes, are you off at Anderson Drive?" "Yes, I promised to visit some friends," "Good enough, Cherrio for now!" "See you next week, Cheers!" "So long!"

My friends were pleased to see me, and realizing I was tired, sat me down beside the fire with a dram, to watch T.V. That was fatal. I fell asleep and missed my bus by half an hour. Home! after a two hours' long, long walk home, a hot bath and to bed. And so a tired weary skier finally laid his head to rest.

Much more misery, despair and disappointments were to greet me in later ski trips into the Grampian Hills but despite this I shall always consider these trips as among the finer things I encountered in Britain. For I doubt if better companionship and comradeship could be found anywhere than on this vigorous outdoor Scottish activity.

R.S.F.

TEAR OFF SLIP

Name _____ Date _____

Year of Fellowship _____ Canadian University _____

Address in Canada _____

Name of employer _____

Present appointment and nature of work _____

Any promotion in employment since returning to Canada or since the last report _____

ATHLONE TIE

Are you in favour of an Athlone tie? _____

If so, would you buy one? _____

Of which quality? _____ terylene / silk _____

To be returned to:

The Secretary to the Athlone Fellowships
Managing Committee,
Board of Trade,
Horse Guards Avenue,
Whitehall, London, S.W.1.
ENGLAND

CHANGES OF ADDRESS MAY ALSO BE TELEPHONED TO THE NEAREST OFFICE
OF THE U.K. TRADE COMMISSIONER IN CANADA.

ATHLONE FELLOWS 1951-1960

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Abbott, J. A. R.	1960	McGill	B
Adams, E. J.	1952	Toronto	B
Affleck, R. R.	1955	British Columbia	A
Aker, D. L.	1953	Manitoba	B
Allen, L. D.	1953	Alberta	A
Almond, J.	1952	Saskatchewan	A
Amyot, L.	1955	Ecole Polytechnique	A
Armour, J. M.	1951	Toronto	A
Armstrong, M. J.	1956	Toronto	A
Arnold, J. R.	1953	British Columbia	A
Arsenault, R. A. J.	1953	Ecole Polytechnique	A
Atkins, W. R.	1957	Alberta	B
Aziz, E. M.	1960	Western Ontario	A
Bach, G. G.	1952	Alberta	A
Bachovzeff, C.	1951	McGill	A
Bailey, K. A.	1959	Manitoba	A
Ballance, R. C.	1954	New Brunswick	A
Barber, H. D.	1960	Saskatchewan	A
Barnard, P. R.	1960	Queen's	A
Barry, A. L.	1958	Queen's	B
Basso, G. L.	1958	Nova Scotia Technical College	A
Bate, D. L. S.	1954	Toronto	B
Beck, H. R.	1952	Manitoba	B
Bedard, M. R.	1953	Laval	A
Belrose, S.	1953	British Columbia	B
Beneteau, P. J.	1953	Queen's	A
Bennett, R. A.	1955	Nova Scotia Technical College	A
Besette, H.	1952	Ecole Polytechnique	B
Bigham, C. B.	1952	Queen's	A
Bjornsson, A. B.	1955	Manitoba	B
Blachford, C. W.	1953	Saskatchewan	A
Bodroghy, B. G.	1958	Toronto	B
Boivin, F.	1951	Ecole Polytechnique	A
Bonar, L. G.	1959	Toronto	A
Borenstein, S. R.	1958	McGill	A
Bourassa, P.	1951	Ecole Polytechnique	A
Brabant, C. E.	1954	McGill	A
Breck, W. G.	1951	Queen's	B
Bremner, T. W.	1960	New Brunswick	A
Brisson, J. R.	1951	Laval	A
Brockley, C. A.	1952	British Columbia	B
Brown, C. J.	1958	Manitoba	A
Brown, D. W.	1960	British Columbia	A
Brown, J. A.	1956	Queen's	B
Brown, J. D.	1958	Nova Scotia Technical College	B
Brown, L. M.	1957	Toronto	A
Brown, R. L.	1953	Queen's	B
Bryce, W. W.	1954	Toronto	B
Burke, P. D.	1955	Toronto	B
Burrige, R. E.	1953	New Brunswick	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Butcher, R. S.	1954	Nova Scotia Technical College	A
Button, H. F.	1960	Georgia Institute of Technology	B
Campbell, J. E.	1955	Nova Scotia Technical College	A
Campbell, M. C.	1957	Nova Scotia Technical College	A
Canuel, J. L. M.	1959	Laval	B
Cass, G. R.	1957	New Brunswick	A
diCenzo, C.	1952	New Brunswick	A
Chagnon, M. M. J.	1959	McGill	B
Chamberlain, R. E.	1951	McGill	A
Cherry, S.	1952	Manitoba	A
Chisholm, S. H.	1960	Toronto	A
Chollet, J.	1953	Laval	A
Christie, F. A.	1960	Nova Scotia Technical College	A
Church, P. B.	1952	Toronto	A
Churchill, R. J.	1957	Nova Scotia Technical College	A
Clark, J. C.	1953	Saskatchewan	B
Clark, S. R.	1959	British Columbia	A
Clarke, J. F. J.	1959	British Columbia	A
Clarke, W. A.	1958	Nova Scotia Technical College	B
Cliffe, J. B.	1952	Manitoba	B
Collin, R. E.	1951	Saskatchewan	A
Collins, F. E.	1960	Toronto	A
Cooper, G. A.	1959	Alberta	B
Corbett, F. M.	1954	McGill	B
Cornell, E. R.	1955	Queen's	A
Cossette, J. P.	1954	Ecole Polytechnique	A
Cote, J. M. A. T.	1959	Laval	A
Crawford, G. A.	1956	Toronto	A
Critchley, R. F.	1958	Saskatchewan	B
Croil, T. A.	1960	British Columbia	B
Cross, D. H. E.	1952	Toronto	A
Crowe, C. M.	1953	McGill	A
Davies, N. G.	1954	British Columbia	A
Dawson, D. G.	1954	Alberta	A
Dean, J. R.	1955	New Brunswick	A
DeCoursey, W. J.	1951	Alberta	A
DeLory, F. A.	1953	Toronto	B
Descary, J. G.	1960	McGill	B
Desnoyers, E.	1959	Ecole Polytechnique	A
Dessureault, J. M.	1954	Laval	A
Dibblee, D. H. W.	1959	Nova Scotia Technical College	A
Dietiker, W.	1955	British Columbia	A
Dodd, W. B.	1952	Toronto	B
Dooley, J. E.	1953	Toronto	B
Dowling, P. J.	1954	Toronto	B
Drummond, A. M.	1957	British Columbia	A
Dutton, V. L.	1951	Manitoba	B
Dueck, D.	1960	Manitoba	B
Duerksen, J. H.	1958	British Columbia	A
Duncan, R. M.	1960	Manitoba	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Ellis, J. B.	1958	Toronto	A
Ellis, J. S.	1954	Queen's	B
Erb, R. B.	1952	Alberta	A
Erlebach, W. E.	1952	British Columbia	A
Fancott, R.	1957	McGill	A
Fanjoy, E. M.	1958	New Brunswick	B
Favron, J.	1953	Ecole Polytechnique	B
Fee, E. W.	1953	Toronto	A
Feir, J. E.	1952	Alberta	B
Ferland, C.	1960	Laval	A
Firstbrook, W. A.	1951	Toronto	B
Forbes, R. S.	1959	Queen's	B
Fortier, P.	1957	Ecole Polytechnique	A
Foulds, J. G.	1957	Toronto	A
Fowler, A. G.	1958	British Columbia	A
Franklin, D. H.	1952	Nova Scotia Technical College	A
Fraser, D. J.	1952	Saskatchewan	A
Fraser, R. M.	1955	British Columbia	B
French, J. B.	1955	Toronto	A
French, M. D.	1959	McGill	A
Frindt, R. F.	1960	Alberta	A
Fulford, P. J.	1957	Manitoba	A
Funke, E. R. R.	1956	Queen's	A
Fytche, E. L.	1951	New Brunswick	B
Gagne, R. E.	1956	Manitoba	B
Gagne, R. R. J.	1959	Laval	B
Garrett, T.	1960	British Columbia	A
Gartshore, I. S.	1957	British Columbia	A
Gendron, M.	1954	Laval	A
Gillespie, J. C.	1956	Manitoba	A
Godfrey, J. W. A.	1954	Manitoba	A
Grant, E. J.	1954	New Brunswick	A
Gratton, P. M.	1960	Sherbrooke	A
Guay, M.	1960	Laval	A
Guthrie, D. A.	1955	British Columbia	A
Haberman, L. P.	1960	Manitoba	B
Hale, R. C.	1956	New Brunswick	A
Halton, H. N.	1955	British Columbia	B
Ham, R. K.	1955	Toronto	A
Hanson, J. V.	1955	Toronto	A
Hanuschak, W.	1960	Manitoba	A
Hardwick, J. D.	1958	Toronto	A
Harris, S. G.	1955	Toronto	B
Harris, T. M.	1957	British Columbia	B
Harrison, M. A.	1956	Toronto	B
Harvey, P.	1956	British Columbia	A
Hayes, W. F.	1955	McGill	A
Hayward, D. G.	1959	New Brunswick	A
Heffernan, F. J. P.	1957	McGill	A
Henderson, J. E.	1956	Queen's	B
Hill, P. G.	1953	Queen's	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Hinse, R.	1951	Laval	A
Houle, M.	1956	Ecole Polytechnique	A
Howard, J. H. G.	1956	Queen's	A
Howard, S. G.	1956	Alberta	A
Huntley, C. R.	1960	British Columbia	A
Johnson, D. W.	1957	Saskatchewan	A
Jonas, J. J.	1954	McGill	A
Jones, B. G.	1954	Saskatchewan	A
Jones, N. R.	1959	McGill	A
Jull, E. V.	1957	Queen's	B
Jull, G. W.	1951	Alberta	A
Jurkus, A. P.	1957	Ecole Polytechnique	A
Kennedy, P. G.	1959	Nova Scotia Technical College	A
Kenney, T. C.	1953	McGill	A
Kerr, J. A.	1952	Manitoba	A
King, G. F.	1957	Toronto	A
Klingbell, W. W.	1954	Alberta	A
Koski, J. T.	1951	Toronto	B
Kristmanson, D. D.	1956	British Columbia	B
Labonte, R.	1955	Ecole Polytechnique	A
Lachance, L.	1958	Laval	A
Laframboise, J. E. L.	1956	Ecole Polytechnique	B
Lally, J. S.	1959	Toronto	A
Lamarre, B.	1952	Ecole Polytechnique	A
Lane, A. D.	1956	Nova Scotia Technical College	A
Langeman, P.	1955	Saskatchewan	A
Langlois, A. P.	1956	Laval	A
Larkin, B. S.	1957	University College London	B
L'Archeveque, R. V.	1960	Ecole Polytechnique	A
LaRochelle, P.	1956	Laval	B
Laubitz, M. J.	1953	Toronto	A
Laurie, G. H.	1957	British Columbia	A
Leaist, G. T.	1951	Toronto	A
Lefcort, M. D.	1956	McGill	A
Leigh, D. C.	1951	Toronto	A
Lemay, L. P.	1959	Ottawa	A
Lemyre, C.	1957	Laval	A
Lindberg, G. M.	1960	Alberta	A
Link, W. T.	1951	Saskatchewan	A
Lockwood, F. C.	1958	Queen's	A
Loncarevic, B. D.	1958	Toronto	B
Low, D. I. R.	1958	Queen's	B
Lowe, D. C.	1955	Toronto	B
Lund, J. A. H.	1951	British Columbia	A
Luneau, J. D. G.	1959	Sherbrooke	A
Lyle, A. S.	1960	McGill	A
MacDonald, D. H.	1951	Toronto	B
MacDonald, I. J.	1954	Queen's	A
MacKinnon, D. P.	1958	British Columbia	B
MacMillan, F. A.	1952	Queen's	B

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Maine, F. W.	1960	Queen's	A
Malet de Carteret, R.	1957	Provincial Institute of Technology and Art, Calgary	B
Markle, D. A.	1958	Alberta	A
Marleau, J. E.	1954	Ecole Polytechnique	A
Marquis, A. H.	1955	Laval	A
Marsan, A. A.	1960	Ecole Polytechnique	A
Marsden, D. J.	1955	Alberta	A
Mason, R. E. A.	1959	Queen's	A
Matthews, A. E. P.	1958	Toronto	A
Matthews, J. N.	1951	Toronto	A
McCrae, A. M.	1957	British Columbia	B
McCully, G. R.	1951	New Brunswick	A
McDougald, R. A.	1954	Manitoba	A
McIntyre, E. H.	1953	McGill	A
McLean, D. J.	1957	Toronto	B
McLellan, P. W.	1955	Queen's	A
McNish, J. A.	1954	British Columbia	A
Meadowcroft, T. R.	1959	British Columbia	A
Meneley, D. A.	1959	Saskatchewan	B
Merklinger, K. J.	1958	Toronto	A
Merritt, J. M.	1953	Nova Scotia Technical College	A
Mickleborough, B. W.	1956	Saskatchewan	A
Midgley, P. A. S.	1957	Queen's	A
Minty, D. H.	1951	Manitoba	A
Missen, R. W.	1953	Queen's	B
Mitchell, J.	1952	Queen's	A
Moffatt, A. J.	1951	Manitoba	A
Moffatt, T. L.	1951	Toronto	A
Molozzi, A. R.	1953	Toronto	A
Montagnon, N. B.	1951	McGill	B
Montambeault, G. A.	1952	Laval	A
Morgenstern, N.	1956	Toronto	A
Murphy, C. L.	1953	Manitoba	A
Murray, D. W.	1952	Alberta	A
Mutter, R. J.	1957	Alberta	A
Naylor, H. F.	1951	British Columbia	A
Neill, M. T.	1953	Toronto	A
Nettleton, T. R.	1956	Toronto	B
Newey, R. A.	1953	Manitoba	A
Nikiforuk, P. N.	1952	Queen's	A
Nilson, J. A.	1960	Saskatchewan	A
Nordstrom, T. A.	1958	British Columbia	A
North, H. E. T. (formerly Tuisku, H. E.)	1955	Queen's	A
Nuttall, J. B.	1951	British Columbia	A
Oates, G. C.	1954	British Columbia	A
O'Brien, E. C.	1959	Nova Scotia Technical College	B
Olson, A. T.	1953	Queen's	A
Onysko, D. M.	1957	Manitoba	A
Ower, W. N.	1956	New Brunswick	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Pare, J. J.	1955	Laval	A
Parker, H. E.	1952	McGill	A
Parkinson, F. E.	1956	Alberta	A
Pawluk, W. S.	1958	Alberta	A
Peaker, K.	1955	Manitoba	A
Pearson, E. L.	1954	Manitoba	B
Perks, W. T.	1956	McGill	A
Pettigrew, H. C.	1954	Toronto	B
Phaneuf, M.	1958	Ecole Polytechnique	A
Piercy, G. R.	1952	British Columbia	A
Pike, J. G.	1954	Queen's	A
Pinder, K. L.	1952	McGill	A
Platt, W. A.	1957	Alberta	B
Poupard, M.	1954	Ecole Polytechnique	B
Premont, L.	1952	Laval	A
Price, P.	1955	National Aero. Estab., Ottawa	B
Prior, B. W.	1951	Toronto	A
Rayner, W. M.	1952	Toronto	A
Reynolds, A. J.	1957	Toronto	A
Rhodes, R. T.	1954	Toronto	A
Richard, C.	1959	Laval	A
Roberge, J. P. A.	1953	Laval	A
Roberts, W. G.	1958	Nova Scotia Technical College	A
Robertson, S. D.	1958	Queen's	A
Roger, R. S.	1958	British Columbia	A
Ross, G. M.	1955	McGill	A
Ross, R. B. L.	1960	Toronto	A
Rouette, J. P. Y.	1960	Ecole Polytechnique	B
Round, R. P. D.	1960	British Columbia	B
Rousseau, J.	1952	Ecole Polytechnique	A
Rousseau, L. Z.	1954	Laval	A
Rousseau, Y. L.	1952	Ecole Polytechnique	A
Roy, A. H.	1954	Nova Scotia Technical College	A
Roy, C.	1958	Laval	A
Russ, M. J.	1959	McGill	A
Sainsbury, J. D.	1959	Toronto	A
Savard, J. Y.	1958	Laval	B
Schilling, R. H.	1959	Manitoba	B
Seagram, N. M.	1958	Toronto	A
Seguin, H. J. J.	1959	Alberta	A
Serdula, K. J.	1959	Saskatchewan	A
Seychuk, J. L.	1954	Manitoba	A
Shaw, D. S.	1954	Toronto	A
Shephard, R. S.	1953	New Brunswick	A
Shields, D. H.	1955	Saskatchewan	A
Shier, R. M.	1953	British Columbia	A
Shohet, M.	1957	McGill	A
Shook, C. A.	1956	Alberta	A
Simmonds, S. H.	1956	Alberta	B
Simon, J.	1959	Ecole Polytechnique	A
Sims, G. E.	1955	Manitoba	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Simpson, R. W.	1955	Toronto	A
Sincennes, J. J. A.	1957	Ecole Polytechnique	A
Sinclair, G. R.	1951	Queen's	A
Skinner, D. J.	1960	Nova Scotia Technical College	A
Skoczylas, H.	1956	Queen's	A
Slingerland, F. W.	1951	Queen's	A
Smith, B. C.	1959	Nova Scotia Technical College	A
Smith, J. W.	1957	British Columbia	B
Smith, K. L.	1956	British Columbia	A
Smythe, W. D.	1960	British Columbia	B
Soderman, L. G.	1955	Manitoba	B
Sodomsky, K. F.	1956	Manitoba	A
Somerville, G. F.	1957	British Columbia	A
Soutar, I. A.	1958	McGill	A
Sovka, J. A.	1958	Alberta	A
Sowa, V. A.	1959	Alberta	A
Squire, J. M.	1951	McGill	A
Stephenson, D. G.	1951	Toronto	B
Stewart, J. M.	1959	Toronto	B
St. Pierre, J. A. G.	1957	Laval	A
Sutcliffe, F. H.	1955	McGill	B
Sutherland, J. P.	1956	British Columbia	A
Swanson, S. R.	1956	Toronto	B
Swift, G. W.	1953	Alberta	A
Taborek, R. J.	1960	Toronto	A
Tardif, H. P.	1951	Laval	B
Taylor, A. S.	1960	McGill	A
Thivierge, P.	1956	Ecole Polytechnique	A
Thompson, K. M.	1953	Saskatchewan	A
Till, C. E.	1958	Saskatchewan	A
Toop, G. W.	1960	British Columbia	A
Topper, T. H.	1959	Toronto	A
Townsend, D. L.	1953	McGill	B
Tremblay, P. E.	1958	Ecole Polytechnique	A
Trofimenkoff, F. N.	1959	Saskatchewan	A
Trudeau, B.	1959	Ecole Polytechnique	A
Tucker, W. R.	1960	McGill	A
Tuisku, H. E. (now known as North, H. E. T.)	1955	Queen's	A
Turner, L. R.	1954	Queen's	B
Ukrainetz, P. R.	1957	Saskatchewan	A
Vachal, J. D.	1953	Nova Scotia Technical College	A
Vandalen, K.	1957	Queen's	A
Vilagos, J. P.	1955	McGill	B
Villeneuve, J. E.	1956	Laval	A
Wade, N. H.	1959	New Brunswick	A
Walford, H. W.	1958	New Brunswick	A
Wallace, R. R.	1956	Toronto	A
Waller, D. H.	1952	Nova Scotia Technical College	A
Ward, G. V.	1954	British Columbia	A

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Ward, L. R.	1959	New Brunswick	B
Ward, M. A.	1960	Manitoba	B
Waterfield, J. W.	1957	Alberta	A
Watt, W. E.	1960	Queen's	A
Waugh, P. J.	1951	Manitoba	A
Webb, P. P.	1955	McGill	A
Weld, G. B.	1955	Nova Scotia Technical College	A
Wexler, A.	1958	Manitoba	A
Whitcombe, R. M.	1959	Western Ontario	A
Whiteley, H. R.	1958	Queen's	A
Willenius, G. P. T.	1956	Toronto	A
Williams, A. J.	1951	Queen's	A
Williams, G. S.	1952	McGill	A
Williamson, D. F.	1956	British Columbia	B
Williamson, K. H.	1951	Manitoba	B
Wilson, K. C.	1959	British Columbia	A
Wilson, R. G.	1951	McGill	A
Wilson, W. S.	1958	McGill	A
Wonham, W. M.	1956	McGill	A
Wood, J. K.	1953	Toronto	B
Woodside, C. M.	1960	Toronto	A
Wright, A. E.	1955	British Columbia	A
Wright, G. D. T.	1952	Toronto	A
Wright, P. M.	1954	Saskatchewan	A
Young, D. D.	1953	Manitoba	A
Yuill, G. K.	1959	Manitoba	A
Zames, G.	1954	McGill	

Appendix II

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA				
1951 Group				
DECOURSEY, W. J.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	Box 778, Fort Saskatchewan Alberta.	Senior Research Engineer Dominion Sherritt - Gorden Mines Ltd., Fort Saskatchewan, Alberta.
JULL, G. W.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	72, Stinson Avenue, Beils Corner, Ontario.	Defence Scientist - Communications, Defence Research Board.
1952 Group				
BACH, G. G.	Engineering Physics	Nuclear physics - University of Birmingham. (2 years)		McGill University, Dept. of Physics.
ERB, R. B.	Civil	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)		Aeronautical Research Engineer, National Aeronautics and Space Administration, Virginia, U.S.A.
FEIR, J. E.	Civil	Hydro-power and river flow - Imperial College of Science and Technology. (2 years)	397, Wilbrod, Ottawa, Ontario.	Hydraulics Research, National Research Council, Ottawa.
MURRAY, D. W.	Civil	Hydromechanics - Imperial College of Science and Technology. (2 years)	10956 - 81 Avenue, Edmonton, Alberta	University of Manitoba, Winnipeg.
1953 Group				
ALLEN, L. D.	Civil	Aerodynamics - College of Aeronautics, Cranfield, (2 years)	R.R.1., Penhold, Alberta.	A. V. Roe, Ltd. Canada.
SWIFT, G. W.	Electrical	Electrical engineering - Metropolitan-Vickers Electrical Co., Ltd. (2 years)	10106, 87th Avenue, Edmonton, Alberta.	Engineer, Canadian Westinghouse Co., Ltd., Hamilton.
1954 Group				
DAWSON, D. G.	Electrical	Power side of electrical engineering - British Thomson-Houston Co., Ltd., Rugby and Willesden. (2 years)	Apt. 202, 1, Heatherdale Road, Toronto 14, Ontario.	Commercial Engineer, The British Thomson Houston Co. (Canada) Ltd.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1954 Group - continued				
KLINGBEIL, W. W.	Civil	Theory and design of Aircraft Structures - College of Aeronautics, Cranfield. (2 years)	1406, Morriset Avenue, Ottawa, Ontario.	Aerodynamics Section, National Aeronautical Establishment, National Research Council, Montreal Road, Ottawa.
1955 Group				
MARSDEN, D. J.	Engineering Physics	Aeronautical engineering - College of Aeronautics, (2 years) Cranfield.		
1956 Group				
HOWARD, S. G.	Electrical	Electrical engineering - English Electric Co. Ltd. (2 years)	2213-5th Avenue, N.W., Calgary, Alberta.	Switchgear Engineering, English Electric Canada, St. Catharines, Ontario.
PARKINSON, F. E.	Civil	Hydraulics - D.S.I.R. Hydraulics Research Station. (1 year) Imperial College of Science and Technology. (1 year)	10711 - 74 Avenue, Edmonton, Alberta	
SHOOK, C. A.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)		Department of Chemistry, University of Saskatchewan, Saskatoon, Saskatchewan.
SIMMONDS, S. H.	Civil	Research in Concrete technology - University of Cambridge. (17 months)	Suite 10, 9650 - 82 Avenue, Edmonton, Alberta.	Assistant Professor of Applied Mechanics, University of Alberta.
1957 Group				
ATKINS, W. R.	Electrical	Light Electrical engineering - Imperial College of Science and Technology. (2 years)	Apt. 6, 5325, Rue Dudenaine, Montreal, 9, Province of Quebec.	Development Engineer, Instrumentation for Flight Test, Canadair Ltd.
MUTTER, R. J.	Mining	Environmental engineering - Royal College of Science and Technology, Glasgow. (1 year) The Scottish Council. (1 year)	9519 - 76 Avenue, Edmonton, Alberta	
PLATT, W. A.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	11002 - 83 Avenue, Edmonton, Alberta.	Still in U.K. - present address - Imperial College of Science and Technology, London, S.W.7.

WATERFIELD, J. W.	Electrical	Light Electrical engineering - University of Manchester. (2 years)	Islay, Alberta.	
1958 Group				
MARKLE, D. A.	Engineering Physics	Nuclear power - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)	10923, 117th Street, Edmonton, Alberta.	Nuclear Power Plant Division, Atomic Energy of Canada Ltd., Lone Branch, Toronto, Ontario.
PAWLUK, W. S.	Chemical	Petroleum technology - Shell Refining Co., Ltd. (1 year) Chemical engineering - University of Birmingham. (1 year)	East Selkirk, Manitoba.	
SOVKA, J. A.	Chemical	Nuclear power - University of Birmingham. (1 year) Atomic Power Construction Ltd. (1 year)	Box 460, Coaldale, Alberta.	
1959 Group				
COOPER, G. A.	Civil	Railway engineering - British Transport Commission. (1 year) Operational Research - University of Birmingham. (1 year)	2295A, Goyer Street, Montreal, Province of Quebec.	Still in U.K. - present address - 10, Viceroy Road, Birmingham, 15.
SEGUN, H. J. J.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)	8809-112 Street, Edmonton, Alberta.	Still in U.K. - present address - 33, Crescent Grove, Clapham Common, London, S.W.4.
SOWA, V. A.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	11423 - 78th Avenue, Edmonton, Alberta.	Still in U.K. - present address - 1, Inkerman Terrace, Allen Street, London, W.8.
1960 Group				
Frindt, R. F.	Engineering Physics	Physics and chemistry of solids - University of Cambridge. (2 years)	12310-95 Street, Edmonton, Alberta.	Still in U.K. - present address - St. John's College Hostel, Cambridge.
Lindberg, G. M.	Engineering Physics	Mechanical engineering - University of Cambridge. (2 years)	Bluffton, Alberta.	Still in U.K. - present address - 34, St. Andrew's Road, Cambridge.
UNIVERSITY OF BRITISH COLUMBIA				
1951 Group				
LUND, J. A. H.	Metallurgy	Industrial metallurgy - University of Birmingham. (2 years)	1743, West 68th Avenue, Vancouver, British Columbia.	Assistant Professor of Physical Metallurgy, University of British Columbia.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1951 Group - continued				
NAYLOR, H. F. W.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	12, Alston Court, Brampton, Ontario.	Partner in firm of Consultant Engineers - Engineering Research Engineers - 160, Bay Street, Suite 409, Toronto, 1, Ontario.
NUTTALL, J. B.	Mechanical	Hydraulics - University of Aberdeen. (1 year) Imperial College of Science and Technology. (1 year)	2350, West 1st Avenue, Vancouver, British Columbia.	Crippen Wright Engineering Ltd., Vancouver, British Columbia.
1952 Group				
BROCKLEY, C. A.	Mechanical	Machine design and strength of materials - University of Sheffield. (2 years)	6350, McCleary, British Columbia.	Department of Mechanical Engineering, University of British Columbia, Vancouver, 8, British Columbia.
ERLEBACH, W. E.	Chemical	Nuclear chemistry - University of Cambridge. (2 years)	13, Fairlane Boulevard, Fisher Heights, Ottawa, 5.	Development Chemist, Commercial Products Division, Atomic Energy of Canada Ltd., Tunney's Pasture, Ottawa.
PIERCY, G. R.	Engineering Physics and Metallurgy	Physical metallurgy - University of Birmingham (2 years)	1, Frontenac Street, Deep River, Ontario.	Atomic Energy of Canada Limited (research on metals).
1953 Group				
ARNOLD, J. R.	Mechanical	Mechanical engineering - The Brush Group, Ltd., Staines, Stockport, Ashton-under-Lyne and Loughborough (2 years)	50, D'Auvergne, Montreal Province of Quebec.	Hinde and Dauch, Paper Company of Canada Limited - Plant Engineer, Industrial Engineering.
BELROSE, S.	Electrical	Radio physics - University of Cambridge. (2 years)	Tadoussac Drive, R.R.2, Aylmer East, Quebec, Province of Quebec.	Defence Research Board, Ottawa.
SHIER, R. M.	Engineering Physics	Electrical engineering - British Thomson Houston Co. Ltd. (2 years)	5665, Toronto Road, Vancouver, British Columbia.	B. C. Engineering Co. Ltd., Vancouver, British Columbia.

1954 Group				
DAVIES, N. G.	Engineering Physics	Electronics and servo-mechanisms - Evershed & Vignoles Ltd. and Metropolitan Vickers Electrical Co. Ltd. (1 year) Imperial College of Science and Technology. (1 year)	R.R. 2, Bells Corner, Ontario.	Defence Scientist, Research and Development, Defence Research Board.
MCNISH, J. A.	Electrical	Electronics and allied equipment - British Thomson Houston Co. Ltd. (1 year) Business Administration - London School of Economics. (1 year)		Canadian General Electric Co., Peterborough, Ontario.
OATES, G. C.	Mechanical	Mixed Industrial experience. Gas Turbine and Internal Combustion Engines - Rolls Royce Ltd., Derby. (1 year) University of Birmingham. (1 year)		Department of Mechanical Engineering, Institute of Technology, Cambridge 30, Mass. U.S.A.
WARD, G. V.	Electrical	Electronics and servo-mechanisms - Metropolitan Vickers Electrical Co. Ltd. (2 years including 7 months at Imperial College of Science and Technology).	17110, St. Mary's Road, R.R.2., St. Genevieve, Quebec, Province of Quebec.	Manager, 650 Data Centre, International Business Machines Co. Ltd., 1123, Beaver Hall Hill, Montreal 1, Province of Quebec.
1955 Group				
AFFLECK, R. R.	Chemical	Chemical engineering as applied to pulp and paper industry - Wiggins, Teape & Co. Ltd., Aberdeen. (1 year) Business Administration - London School of Economics. (1 year)	General Delivery, Powell River, British Columbia.	Technical Services Engineer, Powell River Co. Ltd.
DIETIKER, W.	Electrical	Servo-mechanisms and automatic control - University of Manchester. (2 years)	664, Claude Street, Ottawa, 2., Ontario.	National Research Council, Ottawa.
FRASER, R. M.	Electrical	Power generation and distribution plant - C. A. Parsons & Co. Ltd. Reyrolles Ltd. and the Central Electricity Authority. (2 years)	16, Roslyn Road, Appt. 317, Winnipeg, 13, Manitoba.	Engineer, Electrical Section, Engineering & Construction Division - The Manitoba Hydro-Electric Board.
GUTHRIE, D. A.	Chemical	Instrument control - I.C.I. Ltd. (15 months) Evershed & Vignoles Ltd. (8 months)	Suite 3, 1240 Chesterfield Road, N. Vancouver, British Columbia.	Hooker Chemical Limited, Vancouver.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1955 Group - continued				
HALTON, H. N.	Mechanical	Engineering production - University of Birmingham. (1 year) Vauxhall Motors Ltd. (1 year)	2557, 8th Avenue, Shawinigan South, Quebec, Province of Quebec.	Production & Development Supervisor, Aluminium Company of Canada.
WRIGHT, A. E.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) John Laing & Son Ltd. (1 year)	3870, King Edward Avenue, Vancouver 8, British Columbia.	International Power & Engineering Consultants, Vancouver, British Columbia.
1956 Group				
HARVEY, P.	Electrical	Computer control and nuclear reactor control - Ferranti Ltd. (1 year) Business Administration - London School of Economics. (1 year)	Box 188, Rupert, Prince Rupert, British Columbia.	Further study at Oregon State College, Corvallis, Oregon.
KRISTMANSON, D. D.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	Trail, British Columbia.	
SMITH, K. L.	Mechanical	Nuclear power - Metropolitan - Vickers Electrical Co. Ltd., Manchester, and Reactor School, Harwell. (1 year) Imperial College of Science and Technology. (1 year)	6, Huron Street, Apt. 1, Deep River, Ontario.	Reactor Research and Development Division, Atomic Energy of Canada Ltd., Chalk River, Ontario.
SUTHERLAND, J. P.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	Trail, British Columbia.	
WILLIAMSON, D. F.	Chemical	Business Administration - London School of Economics. (1 year) Petroleum refining - Shell Refining and Marketing Co. Ltd. (1 year)	495, McEwen Drive, Kingston, Ontario.	Dupont of Canada in their Nylon Plant, Kingston, Ontario.
1957 Group				
DRUMMOND, A. M.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	Apt. 215, 150, Argyle Avenue, Ottawa, Ontario.	National Research Council, Ottawa.
GARTSHORE, I. S.	Mechanical	Aeronautical engineering - Imperial College of Science and Technology. (2 years)	2094, Quilchena Cres., Vancouver, 13, British Columbia.	

HARRIS, T. M.	Engineering Physics	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	Prince Rupert, British Columbia.	Still in U.K. - present address - 11, Priory Road, Edgbaston, Birmingham, 15.
LAURIE, G. H.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	249 - 13 Ave., Cranbrook, British Columbia.	
MCCRAE, A. M.	Civil	Civil engineering - Crawley Development Corporation. (8 months) Lemon & Blizard, Civil Engineers. (8 months) Royal College of Science and Technology, Glasgow. (1 year)	R.R. 1, Osceyoos, British Columbia.	
SMITH, J. W.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	c/o T. W. Smith, 716, S. Norah St., Fort William, Ontario.	C/o Department of Chemical Engineering, University of British Columbia, Vancouver, British Columbia.
SOMERVILLE, G. F.	Chemical	Chemical engineering - Monsanto Chemicals Ltd. (1 year) Cramer and Warner. (1 year)	2677, Lawson Ave., West Vancouver, British Columbia.	
1958 Group				
FUERKSEN, J. H.	Chemical	Chemical engineering - W. J. Fraser & Co., Ltd. (1 year) Nuclear engineering - Imperial College of Science and Technology. (1 year)	384, Francis Road, Richmond, British Columbia.	Atomic Energy of Canada Ltd.
FOWLER, A. G.	Engineering Physics	Nuclear power - University of Birmingham. (1 year) Atomic Power Construction Ltd. (1 year)	R.R. 4, Sardis, British Columbia.	
MACKINNON, D. P.	Mechanical	Mechanical engineering - British Transport Commission. (1 year) Business Administration - London School of Economics. (1 year)	2515, West 14th Avenue, Vancouver, British Columbia.	Canadian National Railways, 360, McGill Street, Montreal, Province of Quebec.
NORDSTROM, T. A.	Electrical	Electrical engineering - General Electric Co., Ltd. (1 year) Imperial College of Science and Technology. (1 year)	R.R. 3, Armstrong, British Columbia.	Still in U.K. - present address - 21, Selborne Road, Handsworth Wood, Birmingham, 20.
ROGER, R. S.	Electrical	Electrical engineering - University of Manchester, Jodrell Bank Experimental Station. (2 years)	R.R. Box 750, Skaha Lake, Penticton, British Columbia.	Still in U.K. - present address - The Laurels, 4, Albert Road, Wilmslow, Cheshire.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF 1959 Group				
CLARK, S. R.	Electrical	Electrical engineering - Metropolitan Vickers Electrical Co. Ltd. (1 year) University of Aberdeen. (1 year)	974, Bruce Avenue, Nanaimo, British Columbia.	Still in U.K. - present address - Y.M.C.A. Residential Club, 5, Golden Square, Aberdeen.
CLARKE, J. F. J.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	302, Vernon Street, Nelson, British Columbia.	Still in U.K. - present address - 23, Shepley Road, Barn Green, Worcs.
MEADOWCROFT, T. R.	Metallurgy	Metallurgy - Imperial College of Science and Technology, Royal School of Mines. (2 years)	4237, W. 14th Avenue, Vancouver, British Columbia.	Still in U.K. - present address - 63, Ansell Road, London, S.W.17.
WILSON, K. C.	Civil	Fluid mechanics - Imperial College of Science and Technology. (2 years)	3046, West 24th Avenue, Vancouver, British Columbia.	Still in U.K. - present address - 25, Talgarth Road, London, W.14.
1960 Group				
BROWN, D. W.	Electrical	Communications - Imperial College of Science and Technology. (2 years)	# 101, 1141, Harwood Street, Vancouver 5, British Columbia.	Still in U.K. present address - 35, Pondfield Crescent, St. Albans, Herts.
CROIL, T. A.	Chemical	Chemical engineering - Shell International Petroleum Co. Ltd. (Research Centre) (1 year) 2nd year to be arranged at a university.	2828, Blanca Street, Vancouver, British Columbia.	Still in U.K. - present address - 52, Liverpool Road, Chester.
GARRETT, T.	Mechanical	Research in heat transfer - University of Cambridge. (2 years)	608, East 25th Avenue, Vancouver 10, British Columbia.	Still in U.K. - present address - 16, Glisson Road, Cambridge.
HUNTLEY, C. R.	Engineering Physics	Electrons research - A.E.I. (Rugby) Ltd. (1 year) 2nd year to be arranged.	Sea Drive, R.R. I., Brentwood Bay, British Columbia.	Still in U.K. - present address - 37, Charter Road, Rugby.
ROUND, R. P. D.	Civil	Civil engineering - Freeman, Fox and Partners. (1 year) 2nd year to be arranged at a university.	930, Southgate Street, Victoria, British Columbia.	Still in U.K. - present address - c/o Mr. A. P. Shrimpton, Plas-dol-y-Moch, Blaenau Ffestiniog, Merionethshire, Wales.

SMYTHE, W. D.	Mechanical	Nuclear power - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	194, Ellendale Crescent, Ottawa, Ontario.	Still in U.K. - present address - 151, Queen's Road, Wimbledon, London, S.W.19.
TOOP, G. W.	Metallurgy	Metallurgy - Imperial College of Science and Technology, Royal School of Mines. (2 years)	Box 546, Terrace, British Columbia.	Still in U.K. - present address - 19, Holland Road, Kensington, London, W.14.
ECOLE POLYTECHNIQUE				
1951 Group				
BOIVIN, F.	Mechanical	Electronic control mechanisms - Imperial College of Science and Technology. (1 year) Evershed & Vignoles Ltd., London. (8 months) British Thomson - Houston Ltd., Rugby. (4 months)	2241 Cadillac Street, Montreal, 5, Province of Quebec.	Bell Telephone Co., Montreal, Province of Quebec.
BOURASSA, P.	Mechanical	Mechanical engineering - Imperial College of Science and Technology. (1 year) Leyland Motors Ltd., Leyland, Lancs. (1 year)	4929, Patricia Avenue, Montreal, 29, Province of Quebec.	Product Engineer, Dominion Engineering Works Ltd., Lachine, Quebec, Province of Quebec.
1952 Group				
BESSETTE, H.	Mechanical and electrical	Steam power engineering - Imperial College of Science and Technology. (4 months) John Thompson Ltd., Wolverhampton. (12 months) British Electricity Authority, Birmingham. (3 months) E. Green and Son Ltd., Wakefield (1 month) George Kent Ltd., Luton (5 weeks)	12285, Desenclaves, Montreal, Province of Quebec.	Product Engineer, Dominion Bridge Co., Lachine, Quebec, Province of Quebec.
LAMARRE, B.	Civil	Concrete technology - Imperial College of Science and Technology. (2 years)	56, Ave Crestwood, Montreal West, Province of Quebec.	Asst. Chief Engineer, Lalonde and Valois, Consulting Engineers, 615, Belmont St., Montreal, Province of Quebec.
ROUSSEAU, J.	Mechanical and electrical	Aircraft propulsion - College of Aeronautics, Cranfield. (2 years)	6570, Garnier Street, Montreal, P.Q.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1952 Group - continued				
ROUSSEAU, Y. L.	Civil	Production engineering - Brush ABOE Group Services, Ltd., Loughborough, Ashton-under-Lyne and Staines. (1 year) University of Birmingham. (1 year)	264, Dijon Pont Viau, Montreal, 9, Province of Quebec.	Deputy Director, Building & Grounds Department, University of Montreal, Montreal, Province of Quebec.
1953 Group				
ARSENAULT, R. A. J.	Mechanical and electrical	Marine engineering - Royal Technical College, Glasgow. (1 year) Fairfield Shipbuilding and Engineering Co. Ltd., Glasgow. (1 year)	425, Gullibault Street, Longueville, Montreal, Province of Quebec.	Mechanical Design Engineer - Letendre, Monti & Associates, Consulting Engineers.
FAVRON, J.	Mechanical and electrical	Aeronautical engineering - de Havilland Co. Ltd., (4 months) Vickers-Armstrong Ltd., Weybridge. (1 year)	10187, Tolhurst Street, Montreal, Province of Quebec.	Aircraft Designer, Canadair Limited, Montreal, Province of Quebec.
1954 Group				
COSSETTE, J. P.	Mechanical and electrical	Production engineering - University of Birmingham. (1 year) The Brush Group Limited, Ashton-under-Lyne and Stockport. (10 months) University of Sheffield. (2 months)	Saguenay Inn, Arvida, Quebec, Province of Quebec.	Aluminium Co. of Canada Ltd., Shipshaw, Province of Quebec.
MARLEAU, J. E.	Mechanical and electrical	Metallurgy of non-ferrous metals and industrial experience in the production and fabrication of aluminium - University of Birmingham. (1 year) Northern Aluminium Co., Ltd., Rogerstone. (1 year)	108A, Brittany Row, Arvida, Province of Quebec.	Industrial Engineer, Aluminium Company of Canada Ltd., Arvida, Province of Quebec.
POUPARD, M.	Mechanical	Mechanical engineering - Brush Group Ltd., Ashton-under-Lyne and Loughborough and University of Sheffield. (1 year)	10241, London Avenue, Montreal North, Province of Quebec.	Ecole Polytechnique, 1430, St. Denis Street, Montreal, Province of Quebec.

1955 Group				
ANYOT, L.	Mechanical and electrical	Nuclear power - Metropolitan-Vickers Electrical Co. Ltd., Manchester, and A.E.I. Research Establishment, Aldermaston. (1 year) University of Birmingham. (1 year)	8403, Waverly Street, Montreal, 11, Province of Quebec.	Lecturer in Urban Sanitation, The School of Hygiene, University of Montreal.
LABONTE, R.	Civil	Public Health engineering and Concrete technology - Imperial College of Science and Technology. (19 months) Sandford, Fawcett and Partners. (4 months)		
1956 Group				
HOULE, M.	Electrical	Micro-wave, mobile equipment, radar, etc. - Marconi's Wireless Telegraph Co. Ltd., (1 year) Production Engineering - University of Birmingham. (1 year)	22025, West Gouin Boulevard, St. Genevieve de Pierrefonds, Quebec, Province of Quebec.	Canadian National Railways, Operational Research Branch, 650, Notre Dame Street West, Montreal, Province of Quebec.
LAFRANBOISE, J. E. L.	Electro-mechanical	Aeronautics - Imperial College of Science and Technology. (2 years)	40, Willowdale, Montreal 8, Province of Quebec.	Mechanical Engineering Department, Ecole Polytechnique, Montreal, Province of Quebec.
THIVIERGE, P. J.	Mechanical	Steam turbines - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - University of Birmingham. (1 year)	730, Avenue Eymard, Quebec, 6., Province of Quebec.	Scientific Service Officer, Mechanics Wing, Defence Research Board, C.A.R.D.E.
1957 Group				
FORTIER, P.	Electrical and mechanical	Nuclear power - Imperial College of Science and Technology. (2 years)	20, Avenue Caroline, Case Postale 16, St. Bruno Co. Chambly, Province of Quebec.	Heat Exchange Specialist, Dominion Bridge Co., Lachine, Province of Quebec.
JURKUS, A. P.	Electrical and mechanical	Light electrical engineering - University of Sheffield. (2 years)	350, Mayfield, Apt. 203, Ottawa, 2, Ontario.	Assistant Research Officer, Radio & Electrical Engineering Division, National Research Council, Ottawa, 2, Ontario.
1958 Group				
SINCENNES, J. J. A.	Civil	Reinforced and prestressed concrete and constructional engineering - Imperial College of Science and Technology. (2 years)	4635, d'Orleans St., Montreal, Province of Quebec.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1958 Group				
PHANEUF, M.	Mechanical and electrical	Engineering production - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year) Nuclear power - Imperial College of Science and Technology. (2 years)	10748, Grande-Allee, Montreal, Province of Quebec.	Still in U.K. - present address - 70, Castelnaud, Barnes, London, S.W.13.
1959 Group				
DESNOYERS, E.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	11760, Pigeon Street, Montreal North, Province of Quebec.	Still in U.K. - present address - Lanchester Hall, The College of Aeronautics, Cranfield, Bletchley, Bucks.
SIMON, J.	Mechanical	Heat transfer - Imperial College of Science and Technology. (2 years)	St. Martine, Co. Chateauguay, Province of Quebec.	Still in U.K. - present address - 14, Bellevue Road, Barnes, London, S.W.13.
TRUDEAU, B.	Civil	Concrete technology - Imperial College of Science and Technology. (2 years)	8194, Casgrain, Montreal, Province of Quebec.	Still in U.K. - present address - 51, Bradley Gardens, Ealing, London, W.13.
1960 Group				
L'ARCHEVEQUE, R.V.	Electrical	Circuit analysis - Imperial College of Science and Technology. (2 years)	7785, Chateaubriand, Montreal, Province of Quebec.	Still in U.K. - present address - Flat 6, 38, Cranley Gardens, London, S.W.7.
MARSAN, A. A.	Chemical	Chemical engineering - University of Birmingham. (1 year) 2nd year to be arranged in industry.	6331, Chabot, Apt. 1, Montreal, Province of Quebec.	Still in U.K. - present address - 81 Bournbrook Road, Selly Oak, Birmingham, 29.
ROUETTE, J. P. Y.	Mechanical	Production engineering - University of Birmingham. (1 year) 2nd year to be arranged.	Main Street, Alexandria, Ontario.	Still in U.K. - present address - 81, Bournbrook Road, Selly Oak, Birmingham 29.

LAVAL UNIVERSITY				
1951 Group				
BRISSON, J. R.	Chemical	Chemical engineering - University College London. (3 months) Imperial Chemical Industries, Ltd., Billingham. (1 year, 2 months)	586, Mont-Marie, Ste. Foy, Province of Quebec.	The Dominion Arsenal, 2, Palace Hill, Quebec, Province of Quebec.
HINSE, R.	Mining	Metalliferous mining and Metallurgy of iron and steel - Stewarts and Lloyds Ltd., Corby. (1 year) Royal Technical College, Glasgow. (9 months)	Box 134, Chibougaman, Province of Quebec.	Resident Chief Geologist Campbell Chibougaman Mines Ltd. Chibougaman, Quebec, Province of Quebec.
TARDIF, H. P.	Metallurgy	Industrial metallurgy - University of Birmingham. (2 years)	457, rue Jean Dequen, Quebec 10, Province of Quebec.	C.A.R.D.E., Valcartier, Quebec - Head, Materials Laboratory, Metallurgical Research.
1952 Group				
MONTAMBEAULT, G. A.	Mining	Mining engineering - Stewarts and Lloyds Ltd., Corby. (8 months) Holman Bros., Camborne. (6 weeks) Camborne School of Metalliferous Mining. (8 months)	46, Carlton Street, Sudbury, Ontario.	Canadian Industries Ltd., Coppercliff, Ontario.
PREMONT, L.	Chemical	Chemical engineering - University of Cambridge. (9 months) J. and E. Hall Ltd., Dartford. (6 weeks) Monsanto Chemicals Ltd., Ruabon, Wrexham. (1 year)	3419, Rochambeau, Quebec 10, Province of Quebec.	Scientific Officer, C.A.R.D.E., Valcartier, Quebec, Province of Quebec.
1953 Group				
BEDARD, M. R.	Civil	Heating and ventilating engineering - National College for Heating, Ventilating, Refrigeration and Fan Engineering, London. (2 years)	604, Rue St. Jean, Room 205, Quebec 4, Province of Quebec.	Messrs. Paquet and Bedard, Consulting Engineers, 604, Rue St. Jean, Quebec 4, Province of Quebec.
CHOLLET, J.	Chemical	Chemical engineering - Power Gas Corporation Ltd. (1 year) Imperial Chemical Industries Ltd., Billingham, Co. Durham. (1 year)	3224-4th Avenue, Quebec City, Province of Quebec.	Anglo-Canadian Pulp and Paper Mills Ltd., 10, Boulevard des Capucins, Quebec - Development Engineer, Process Department.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY - continued				
1953 Group - continued				
ROBERGE, J. P. A.	Civil	Concrete technology - Richard Costain Ltd., (1 year) Imperial College of Science and Technology. (1 year)	360, Wickham, St. Lambert, Montreal, Province of Quebec.	Structural Designer, Lalonde et Valois, Consulting Engineers, 615, Belmont Street, Montreal, Province of Quebec.
1954 Group				
DESSUREAULT, J. M.	Industrial Metallurgy	Metallurgy of ferrous metals - University of Birmingham. (2 years)	1472-8E Avenue, Grand'Mere, Province of Quebec.	Shawinigan Chemicals Ltd., Grand-Mere, Province of Quebec.
CENDRON, M.	Civil	Steel and concrete structures - Imperial College of Science and Technology. (1 year)	259, Fournier, Ste. Foy, Province of Quebec.	Banque D'Expansion Industrielle, Edifice des Prevoyants du Canada, Boulevard Laurier, Quebec City, Province of Quebec.
ROUSSEAU, L. Z.	Forest	Forestry research - University of Oxford. (2 years)	19, Laurier Ave., Quebec, Province of Quebec.	Lecturer in Soil Mechanics Laval University, Cite Universitaire, Ste. Foy, Province of Quebec.
1955 Group				
MARQUIS, A. H.	Metallurgy	Metallurgy - University of Birmingham. (1 year)	909, Rue Painchaud, Quebec, Province of Quebec.	C.A.R.D.E., Department of National Defence, Valcartier, Province of Quebec.
PARE, J. J.	Civil	Concrete technology and soil mechanics - Imperial College of Science and Technology. (2 years)	1170, 25th Street, Quebec, Province of Quebec.	Soil Engineer, Quebec Highway Department.
1956 Group				
LANGLOIS, A. P.	Civil	Business Administration - London School of Economics. (1 year) Hydro power - Imperial College of Science and Technology. (1 year)	471, Waterloo Row, Fredericton, New Brunswick.	
LaROCHELLE, P.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	584, St. John Street, Quebec, Province of Quebec.	Lecturer in Soil Mechanics, Laval University, Quebec, Province of Quebec.

VILLENEUVE, J. E.	Civil	Concrete technology and construction - Imperial College of Science and Technology. (1 year) Holland and Hannen and Cubitts Ltd. (1 year)	2573, Du Sault Avenue, Quebec, 5, Province of Quebec.	St. Lawrence Construction Co. Ltd., Villeneuve, Province of Quebec.
1957 Group				
LEMYRE, C.	Electrical	Servomechanisms - Imperial College of Science and Technology. (2 years)	2584, Papineau, Shawinigan Falls, Quebec, Province of Quebec.	Still in U.K. - present address - 31, Cranley Gardens, London, S.W.7.
ST. PIERRE, J. A. G.	Civil	Reinforced and prestressed concrete - Imperial College of Science and Technology. (2 years)	19, Lavigne Street, Victoriaville, Province of Quebec.	Still in U.K. - present address - 5, Queensberry Place, London, S.W.7.
1958 Group				
LACHANCE, L.	Civil	Civil engineering - Imperial College of Science and Technology. (1 year) Business Administration - London School of Economics. (1 year)	Saint Jean, Ile d'Orleans, Province of Quebec.	Still in U.K. - present address - 31, Cranley Gardens, London, S.W.7.
ROY, C.	Chemical	Nuclear power - Imperial College of Science and Technology. (2 years)	St. Gervais, Co. Bellechasse, Province of Quebec.	Still in U.K. - present address - 70, Castelnau, Barnes, London, S.W.13.
SAVARD, J. Y.	Electrical	Electrical engineering - University College London. (2 years)	789, 122nd Street, Quebec 5, Province of Quebec.	
1959 Group				
CANUEL, J. L. M.	Chemical	Non ferrous metals - Imperial Smelting Corporation Ltd. (1 year) Engineering Production and Management - University of Birmingham. (1 year)	100, Godbout, Quebec 3, Province of Quebec.	Still in U.K. - present address - 15, Blackthorn Road, Bournville, Birmingham, 30.
COTE, J. M. A. T.	Mechanical	Mechanical engineering - C. A. Parsons & Co. Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)	340, D'Aiguillon Street, Quebec 4, Province of Quebec.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Edgbaston, Birmingham, 15.
GAGNE, R. R. J.	Electrical	Electrical engineering - microwave work - University College London. (2 years)	R.R.1. Box 318, Ottawa 2, Ontario.	Still in U.K. - present address - 3, Arcadian Gardens, London, N.22.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY - continued				
1959 Group - continued				
RICHARD, C.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	632, Rue Laverendrye, Trois Rivières, Province of Quebec.	Still in U.K. - present address - 5, Belitha Villas, London, N.I.
1960 Group				
FERLAND, C.	Civil	Concrete technology and soil mechanics - Imperial College of Science and Technology. (1 year) 2nd year to be arranged with a firm of consultants.	243, Lindsay, Drummondville, Province of Quebec.	Still in U.K. - present address - 216, Westbourne Park Road, London, W.11.
GUAY, M.	Engineering Physics	Reactor physics and technology - University of Birmingham. (1 year) 2nd year to be arranged in industry.	351, St. Olivier, Apt. 3, Quebec 4, Province of Quebec.	Still in U.K. - present address - 81, Bournbrook Road, Selly Oak, Birmingham 29.
UNIVERSITY OF MANITOBA				
1951 Group				
DUTTON, V. L.	Civil	Hydraulics and structural Engineering - James Williamson & Partners, Glasgow. (1 year) University of Cambridge. (1 year)	9, Arundel Road, Windsor Park, St. Boniface, Manitoba.	University of Manitoba, Winnipeg.
MINTY, D. H.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	Box 33, Onanole, Manitoba.	Adalls Limited, 1410, Stanley Street, Montreal 2, Province of Quebec.
MOFFAT, A. J.	Electrical	Design, testing, manufacture and installation of electrical equipment - British Thomson-Houston Co. Ltd. Rugby and Rugby Technical College. (2 years)	198, Leighton Avenue, East Kildonan, Manitoba.	Canadian Westinghouse Ltd. Hamilton, Ontario.
WAUGH, P. J.	Mechanical	Aircraft engineering - English Electric Co. Ltd. (2 years)	Apt. 301, The Alexander, 205, Wilson Avenue, Toronto 12, Ontario.	Hind & Daugh Paper Co. of Canada Ltd., Toronto, Ontario.

WILLIAMSON, K. H.	Electrical	Telephone engineering - Siemens Bros. & Co. Ltd., Woolwich. (2 years)	70, Vivian Avenue, Winnipeg 8.	Manitoba Telephone System (on loan to Bell Telephone Co. of Canada, in Montreal).
1952 Group				
BECK, H. R.	Electrical	Light electrical engineering. Railway Signalling Practice. Manufacture of Signalling Equipment - Imperial College of Science and Technology. (10 months) Westinghouse Brake and Signal Co. London. (1 month) Metropolitan-Vickers - G.R.S.Ltd., London. (1 month) Siemens and General Electric Railway Signal Co. Ltd., Wembley. (3 months) British Railways. (9 months) Structural Research - University of Bristol. (2 years)	Apt. 21, 18, Dorval Avenue, Dorval, Province of Quebec.	Assistant Signal Engineer (System). Railway Signal Engineering, Canadian National Railways, Montreal, Province of Quebec
CHERRY, S.	Civil	Gas turbine technology - Imperial College of Science and Technology. (1 year) National Gas Turbine Establishment, Farnborough. (1 year) Hydraulic engineering - Imperial College of Science and Technology. (16 months) Sir William Halcrow & Partners, London. (8 months)	4336, West 10th Avenue, Vancouver, British Columbia.	Assistant Professor, Civil Engineering Dept., University of British Columbia, Vancouver 8, British Columbia.
CLIFFE, J. B.	Electrical	Automatic controls - A. Reyrolle & Co. Ltd., Hebburn. (1 year) Evershed and Vignoles Ltd., Chiswick. (6 months) English Electric Co. Ltd., (6 months)	226, Kensington Street, Winnipeg, Manitoba.	Assistant Professor of Civil Engineering, Civil Engineering Department, University of Manitoba, Winnipeg 9, Manitoba.
KERR, J. A.	Civil			Hydraulic Engineer, c/o Ontario Water Resources Commission, Surface Water Branch, 46, Wellesley Street West, Toronto, Ontario.
1953 Group				
AKER, D. L.	Electrical		220, Gaylussac, Arvida, Province of Quebec.	Electrical Engineer. Electrical Dept., Engineering and Estimating Section, Aluminium Co. of Canada.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA = continued				
1953 Group - continued				
MURPHY, C. L.	Mechanical	General engineering and Gas turbine technology - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Imperial College of Science and Technology. (1 year)	226, Waterloo Street, Winnipeg, Manitoba.	Department of Mechanical Engineering, McGill University.
NEWBY, R. A.	Mechanical	Steam turbines - C. A. Parsons & Co. Ltd., Newcastle-upon-Tyne. (2 years)	525, Manchester Boulevard, Fort Garry, Winnipeg, 9, Manitoba.	Mechanical Research (Computers) Dominion Engineering Works Ltd., Lachine, Montreal 32, Province of Quebec.
YOUNG, D. D.	Mechanical	Automobile design and production - Rootes Group (Humber Ltd., Coventry). (2 years)	Box 27, Brownsburg, Province of Quebec.	Project Engineer (Design and development of high explosives manufacturing machines). Explosives Division, Canadian Industries Limited.
1954 Group				
GODFREY, J. W. A.	Electrical	Electronics - British Thomson Houston Co. Ltd., Rugby. (2 years)	9, Glenn Apartments, Winnipeg, Manitoba.	Transmission Maintenance Engineer, Manitoba Telephone System, Winnipeg, Manitoba.
McDOUGALD, R. A.	Mechanical	Steam turbine industry - C. A. Parsons & Co. Ltd., Engineering production - University of Birmingham. (1 year)	578, Fagan Ave., Peterborough, Ontario.	Canadian General Electric Co. Ltd., Apparatus Division, Manufacturing Engineering Dept., Peterborough, Ontario.
PEARSON, E. L.	Mechanical	General mechanical engineering - Fraser and Chalmers in G.E.C. Group. (2 years)	R.R. No. 1., Lachute, Province of Quebec.	Mechanical Development Ammunition Division, Canadian Industries Ltd., Brownsberg, Province of Quebec.
SEYCHUK, J. L.	Civil	Soil mechanics - Imperial College of Science and Technology. George Wimpey & Co. Ltd., Southall. (1 year)	c/o Geocon Ltd., 14 Haas Road, Rexdale, Ontario.	Senior Soils Engineer in Soil Mechanics & Foundations, Geocon Limited.

1955 Group				
BJORNSSON, A. B.	Civil	Soil mechanics and steel design - Imperial College of Science and Technology. (1 year) Structural analysis. Cleveland Bridge & Engineering Co. Ltd. (1 year)	4441, Grant Road, Regina, Saskatchewan.	Structural Engineer, (Regina Branch), Dominion Bridge Co. Ltd., Winnipeg, Manitoba.
PEAKER, K.	Civil	Highway engineering and soil mechanics - Imperial College of Science and Technology. Sir Robert McAlphine & Sons Ltd. (1 year) Richard Costain Ltd., London. (4 months) (6 months)	2233, Jane Street, Downsview, Ontario.	Project Engineer, Government of Ontario, Highways, Ottawa, Ontario.
SIMS, G. E.	Mechanical	Nuclear power - A.E.I. John Thompson Industrial and Nuclear Energy Group, Sale. Kennedy and Donkin Ltd., Edinburgh. (20 months) (4 months)	27, Chalmers Street N., Galt, Ontario.	Design Engineer, Babcock, Wilcox Ltd. and Goldie - McCulloch Ltd., Galt, Ontario.
SODERMAN, L. G.	Civil	Soil mechanics - Imperial College of Science and Technology. George Wimpey & Co. Ltd., Southall. (1 year) (3 months)	Minaki, Ontario.	Head Soil Mechanics, Department of Highways, Parliament Buildings, Toronto, Ontario
1956 Group				
GAGNE, R. E.	Engineering Physics	Computers and servo-mechanisms - Imperial College of Science and Technology. (2 years)	c/o Systems Wing, C.A.R.D.E., P.O. Box 1427, Quebec, Province of Quebec.	Systems Engineer, Systems Wing, Canadian Armament Research and Development Establishment, P.O. Box 1427, Quebec, Province of Quebec.
GILLESPIE, J. C.	Electrical Engineering (Communications)	Communications - University College London, General Electric Co. Ltd. (1 year)	696, Academy Road, Winnipeg 9, Manitoba	Engineer, Radio Relay Systems, Manitoba Telephone System, Winnipeg, Manitoba.
SODOMSKY, K. F.	Engineering Physics	Electrical communications - Imperial College of Science and Technology. (2 years)	176, McAdam Avenue, Winnipeg 4, Manitoba.	
1957 Group				
FULFORD, P. J.	Mechanical	Nuclear power - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)	118, Noble Ave., Winnipeg 5, Manitoba.	Dept. of Mechanical Engineering, University of Manitoba.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1957 Group - continued				
ONYSKO, D. M.	Civil	Prestressed concrete - Imperial College of Science and Technology. (1 year) Ove Arup and Partners. (1 year)	517, Langside Street, Winnipeg, 2, Manitoba.	T. Lame, McManus & Associates (Management) Ltd., 84, Ssabel Street, Winnipeg, 2., Manitoba.
1958 Group				
BROWN, C. J.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) University of Birmingham. (1 year)	171, Monck Avenue, Norwood, Winnipeg 8, Manitoba.	Sessional Lecturer, University of Manitoba.
WEXLER, A.	Electrical	Electrical engineering - Imperial College of Science and Technology. (2 years)	322, Cathedral Avenue, Winnipeg 4, Manitoba.	Still in U.K. - present address - 34, Napier Avenue, London, S.W.6.
1959 Group				
BAILEY, K. A.	Mechanical	Electrical engineering - Metropolitan-Vickers Electrical Co. Ltd. (1 year) Engineering Production - University of Birmingham. (1 year)	2176, Portage Avenue, Winnipeg 12, Manitoba.	Still in U.K. - present address - The Tithe Barn, Grafton Manor, Bromsgrove, Worcs.
SCHILLING, R. H.	Mechanical	Refrigeration - J. & E. Hall Ltd. (1 year) National College of Heating and Ventilating. (1 year)	964, Magnus Avenue, Winnipeg 4, Manitoba.	Still in U.K. - present address - 38, Onslow Gardens, London, S.W.7.
YUILL, G. K.	Mechanical	Nuclear power - University of Birmingham. (1 year) Business Administration - The London School of Economics. (1 year)	835, Garfield Street, Winnipeg 10, Manitoba.	Still in U.K. - present address - 61A, Langham Court, West Wimbledon, London, S.W.20.
1960 Group				
DUECK, D.	Mechanical	Steam turbine generators - A.E.I. (Manchester) Ltd. (10 months) 14 months to be arranged in industry.	Box 237, Altona, Manitoba	Still in U.K. - present address - 273, Washway Road, Sale, Cheshire.

DUNCAN, R.M.	Mechanical	Steam and gas-turbines - A.E.I. (Manchester) Ltd. (1 year) 2nd year to be arranged at University of Birmingham.	706, Bond Street, Transcona, Manitoba.	Still in U.K. - present address - 8, Salisbury Road, Chorlton-cum-Hardy, Manchester, 21.
HABERMAN, L. P.	Civil	Hydro power engineering - Imperial College of Science and Technology. (1 year) 2nd year to be arranged with the National Engineering Laboratory, East Kilbride.	Ste. 10-425, Henderson Highway, Winnipeg 5, Manitoba.	Still in U.K. - present address - 3, Kyrle Road, Battersea, London, S.W.11.
HANUSCHAK, W.	Civil	Structural engineering - Sir William Halcrow and Partners. (1 year) 2nd year to be arranged at a university.	124, Thomson Avenue West, Transcona, Manitoba.	Still in U.K. - present address - 135, Sutherland Avenue, London W.9.
WARD, M. A.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) 2nd year to be arranged with a firm of consultants.	206, Buxton Road, Winnipeg 9, Manitoba.	Still in U.K. - present address - 16, Tidswell Road, Shirley, Croydon.
MCGILL UNIVERSITY				
1951 Group				
BACHOVZEFF, C.	Mechanical	Mechanical engineering - Metrology and Administration - Metropolitan-Vickers Electrical Co. Ltd., Manchester (1 year) College of Technology, Manchester. (1 year)	Summerhill, Cedar Grove Park Ontario.	
CHAMBERLAIN, R. E.	Civil	Structural analysis - University of Birmingham and Vickers - Armstrongs, Ltd., Weybridge. (2 years).	191, Chestnut Street, Forest Gardens, Beaconsfield, Montreal, Province of Quebec.	Dominion Bridge Co., P.O. Box 280, Montreal, Province of Quebec.
MONTAGNON, N. B.	Electrical	Electronic circuitry - British Thomson Houston Co., Ltd., Rugby. (2 years)		Design Engineer, Fairchild Semiconductors Corporation, 545, Whisman Road, Mountain View, California, U. S. A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1951 Group - continued				
SQUIRE, J. M.	Mechanical	Engineering practice - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - University of Birmingham. (1 year)	Apt. 10., 4290, Kindersley Avenue, Montreal, Province of Quebec.	Canadian General Electric Major Appliance Dept., 5751, Notre Dame Street, East, Montreal 5, Province of Quebec.
WILSON, R. G.	Mechanical	Aeronautics - College of Aeronautics, Cranfield. (2 years)	29, Queen's Road, Valois, Montreal 33, Province of Quebec.	Canadair Ltd., Montreal, Province of Quebec.
1952 Group				
PARKER, H. E.	Mechanical	Aircraft design and propulsion - College of Aeronautics, Cranfield. (2 years)	5104, Aquila Street, St. Genevieve, Quebec, Province of Quebec.	Sperry Gyroscope Co. of Canada Ltd., Montreal, Province of Quebec.
PINDER, K. L.	Chemical	Chemical engineering - University of Birmingham (2 years)	866, McGaw Street, Sarnia, Ontario.	Dow Chemical Co. of Canada Ltd., Sarnia, Ontario.
WILLIAMS, G. S.	Mechanical	Gas turbine industry and engineering production and management - Messrs. Rolls Royce Limited, Derby. (1 year) University of Birmingham. (1 year)	605, Abercorn Avenue, Town of Mount Royal, Montreal 16, Province of Quebec.	Trans-Canadian Airlines, Montreal, Province of Quebec.
1953 Group				
CROWE, C. M.	Chemical	Physical chemistry - University of Cambridge. (2 years)	37, Mericourt Road, Apt. 307, Hamilton Ontario.	Assistant Professor of Chemical Engineering, McMaster University, Hamilton, Ontario.
KENNEY, T. C.	Civil	Soil mechanics and foundations - Imperial College of Science and Technology. (2 years)	2200, Dorchester Road, Niagara Falls, Ontario.	H. G. Acres, 1259, Dorchester Road, Niagara Falls, Ontario.
MCINTYRE, E. H.	Metallurgical	Industrial metallurgy - University of Birmingham. (1 year) United Steel Companies Ltd. (attached to Steel, Peech and Tozer Works). (1 year)	1351, McTavish Street, Regina, Saskatchewan	Melting Shop Superintendent, Interprovincial Steel Corporation Ltd., Regina, Saskatchewan.

TOWNSEND, D. L.	Civil	Soil mechanics, foundation engineering - Imperial College of Science and Technology. (1 year) John Mowlem & Co. Ltd., and Soil Mechanics Ltd. (1 year)	Civil Engineering Dept., Queen's University, Kingston, Ontario.	Assistant Professor, Civil Engineering Dept., Queen's University, Kingston, Ontario.
1954 Group				
BRABANT, C. E.	Engineering Physics and Electrical	Electronics and servo-mechanisms Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) University of Manchester. (1 year)	Saguenay Inn, Arvida, Province of Quebec.	Electrical Engineer, System Protection, Power Operating Division, General Engineering Dept., Aluminum Co. of Canada Ltd.
CORBETT, F. M.	Electrical	Electrical engineering (Switch gear and rectifiers) - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) The British Thomson Houston Co. Ltd., Rugby. (5 months)	495, Prince Arthur Street West, Montreal, 18, Province of Quebec.	
JONAS, J. J.	Metallurgical	Administration, management and production - Steel Company of Wales, Ltd. (1 year) University of Cambridge. (1 year)		M.I.T., Cambridge, 39., Mass., U.S.A.
ZAMES, G.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)		
1955 Group				
HAYES, W. F.	Mechanical	Aeronautical engineering (Aircraft propulsion) - College of Aeronautics, Cranfield. (2 years)	20, Roywood Terrace, Apt. 3., Ville Lemoyne, Jacques Cartier, Montreal, Province of Quebec	Canadian Pratt & Whitney, Longueuil, Province of Quebec.
ROSS, G. McK	Electrical	Telecommunications - Standard Telephones and Cables Ltd., Woolwich, and Woolwich Polytechnic. (2 years)	Standard Telephones & Cables, c/o Superintendent Canadian National Telegraphs, St. Johns, Newfoundland.	Field Engineer for Standard Telephones & Cables mfg. Co. (Canada) Ltd., St. John's, Newfoundland, during the installation and testing of the new Microwave system from Sydney, N. S. to St. John's, Newfoundland.
SUTCLIFFE, F. H.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) E. J. Cook & Co. Ltd., London, (1 year)	231, 5th Avenue, Laval des Rapides, Quebec, Province of Quebec.	Structural engineer - bridges. Foundation of Canada Engineering Corporation.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1955 Group - continued				
VILAGOS, J. P.	Mechanical	Production engineering and management - University of Birmingham. Metropolitan-Cammell Carriage & Wagon Co. Ltd., Birmingham. (7 months) London Transport Executive. (4 months)	694, Lacharité, Lasalle, Montreal, Province of Quebec.	Superintendent of Methods and Standards, Canadian National Railways, Mechanical Department.
WEBB, P. P.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	1963, Dunkirk Road, Town of Mount Royal 16, Montreal, Province of Quebec.	R.C.A. Victor, Montreal, Province of Quebec.
1956 Group				
LEFCORT, M. D.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - University of Birmingham. (1 year) Municipal engineering - City Engineer's Department, Bradford. (1 year) Civic Design - University of Liverpool. (1 year)	641, Roslyn Ave., Montreal, 6, Province of Quebec.	National Research Council, Ottawa.
PERKS, W. T.	Civil	Control engineering - University of Cambridge. (2 years)	465, Graham Boulevard, Town of Mount Royal, Montreal, Province of Quebec.	Racey MacCullum & Associates, Consulting Engineers, Montreal.
WONHAM, W. M.	Electrical		28, Thornhill Ave., Westmount, Province of Quebec.	Still in U.K. - present address - University of Cambridge, Engineering Laboratory, Trumpington Street, Cambridge.
1957 Group				
FANCOTT, R.	Mechanical	Nuclear power - Imperial College of Science and Technology. (1 year) Ewbank & Partners Ltd. (1 year)	119, Cedar Ave., Pointe Claire, Montreal, Province of Quebec.	Instrument Engineer, Montreal Engineering Co. Ltd., St. James Street West, Montreal, Province of Quebec.
HEFFERNAN, F. J. P.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year) Business Administration - London School of Economics. (1 year)	8623, Reims Street, Montreal, Province of Quebec.	

SHOHET, M.	Civil	Mechanical engineering - The Steel Company of Wales Ltd. (1 year) Imperial College of Science and Technology. (1 year)	5562, Borden Avenue, Cote St. Luc, Province of Quebec.	Harvard University, U.S.A.
1958 Group				
BORNSTEIN, S. R.	Engineering Physics	Nuclear power - Imperial College of Science and Technology. (2 years)	5272, Musset Avenue, Montreal, Province of Quebec	Still in U.K. - present address - 7, Haarlem Road, London, W.14.
SOUTAR, I. A.	Mining Engineering	Business Administration - London School of Economics. (1 year) The Mining Engineering Co. Ltd., Worcester, (1 year)	117, Coulston Avenue, Asbestos, Province of Quebec.	
WILSON, W. S.	Engineering Metallurgy	Metallurgy - English Steel Corporation Ltd. (1 year) Business Administration - London School of Economics (1 year)	4348, Coolbrook Avenue, N.D.G., Montreal, Province of Quebec.	
1959 Group				
CHAGNON, M. M. J.	Civil	Industrial production - University of Birmingham. (1 year) British Transport Commission. (1 year)	Rue des Erables, St. Cesaire, Co. Rouville, Province of Quebec.	Still in U.K. - present address - 102, Cotswood Gardens, London, N.W.2.
FRENCH, M. D.	Mechanical	Roller bearing production - British Timken Ltd., and Hoffman Manufacturing Co. Ltd. (6 months each) Business Administration - The London School of Economics. (1 year)	51, Claude Avenue, Dorval, Quebec, Province of Quebec.	Still in U.K. - present address - Passfield Hall, Endsleigh Place, London, W.C.1.
JONES, N. R.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd., Thermodynamics - University of Birmingham. (1 year) Electrical engineering - University of Birmingham. (2 years)	242 - 5th Avenue, Pincourt, Ile Perrot, R.R.1., Quebec, Province of Quebec.	Still in U.K. - present address - Chad Hill, 425, Harborne Road, Edgbaston, Birmingham, 15.
FUSS, M. J.	Engineering Physics		128, Strathcona Drive, Town of Mount Royal, Montreal, Province of Quebec.	Still in U.K. - present address - 67, Willows Crescent, Cannon Hill, Birmingham, 12.
1960 Group				
ABBOTT, J.A.R.	Mechanical	Industrial engineering - Fraser and Chalmers in the G.E.C. Group (1 year) 2nd year to be arranged.	5530, Decelles Avenue, Montreal, 26, Province of Quebec.	Still in U.K. - present address - 19, St. Margaret's Avenue, Sidcup, Kent.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1960 Group - continued				
DESCARY, J. G.	Mechanical	Paper manufacture - Wiggins, Teape & Co. Ltd. (1 year) 2nd year to be arranged.	612 - 17th Avenue, Lachine, Province of Quebec.	Still in U.K. - present address - 12, Tynton Road, Bridgend, Glamorgan, Wales.
LYLE, S. M.	Electrical	Automatic controls - Imperial College of Science and Technology (2 years)	363, Walnut Avenue, St. Lambert, Province of Quebec.	Still in U.K. - present address - Imperial College Hostel, Beit Hall, Room 61, Prince Consort Road, London, S.W.7.
TAYLOR, A. S.	Civil	Plastics design - University of Cambridge (2 years)	623, Main Street, Lachute, Province of Quebec.	Still in U.K. - present address - 34, St. Margaret's Road, Gorton, Cambridge.
TUCKER, W. R.	Mechanical	Fluid mechanics - National Engineering Laboratory, East Kilbride (1 year) 2nd year to be arranged.	4538, Oxford Avenue, Montreal, Province of Quebec.	Still in U.K. - present address - 1 Headhouse Green, East Kilbride, Glasgow, Scotland.
NATIONAL AERONAUTICAL ESTABLISHMENT				
1955 Group				
PRICE, P.	Aeronautical	Aerodynamics - Royal Aircraft Establishment, Farnborough. (2 years)		Sandberg-Serrell Corporation, Consulting Engineers, 1276, East Colorado Pass, Pasadena, California, U.S.A.
UNIVERSITY OF NEW BRUNSWICK				
1951 Group				
FYTCH, E. L.	Electrical	Electrical engineering - Protection Engineering and System Interconnection - British Electricity Authority. (2 years)	Barrington, Nova Scotia.	L. and P. Company, Rio de Janeiro Tramways, Caixa, Postal 571, Rio de Janeiro, Brazil.
McCULLY, G. R.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)		Lincoln Laboratories, M.I.T., Cambridge, Mass. U.S.A.

1952 Group				
di Cenzo C. D.	Electrical	Servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	1454, Laperriere Ave, Ottawa, Ontario.	Electrical Staff Officer, National Defence Headquarters, Ottawa.
1953 Group				
BURRIDGE, R. E.	Electrical	Electrical engineering - British Thomson Houston Co. Ltd., Rugby. (Continued studies at Rugby Technical College). (2 years)	191, Aberdeen St., Fredericton, New Brunswick.	Assistant Professor, Dept. of Electrical Engineering, University of New Brunswick.
SHEPARD, R. S.	Civil	Papermaking and Paper Mill machinery - Walmsley (Bury) Ltd. Courtaulds Ltd. Coventry. (1 month) Bertrams Ltd., Edinburgh. (7 months) Business Administration - London School of Economics. (1 year)	8 - 17th Avenue, Edmundston, New Brunswick.	Central Engineering Office, Fraser Companies Ltd., Edmundston, New Brunswick.
1954 Group				
BALLANCE, R. G.	Civil	Public Health engineering - Imperial College of Science and Technology. (2 years)	R.R.# 6, Fredericton, New Brunswick.	Assistant Professor of Civil Engineering, University of New Brunswick.
GRANT, E. J.	Civil	Concrete technology - Imperial College of Science and Technology (1 year) The Pre-stressed Concrete Co. Ltd., London, (10 months)	Apt. 3, 241, Saunders Street, Fredericton, New Brunswick.	Structural Engineer, Foundation of Canada, Engineering Corporation Ltd.
1955 Group				
DEAN J. R.	Mechanical	Steam turbines and Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) University of Birmingham. (1 year)	Wilmot Park Apartments, Fredericton, New Brunswick.	Production Department, New Brunswick Electric Power Commission, Fredericton, New Brunswick.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF NEW BRUNSWICK - continued				
1956 Group				
HALE, R. C.	Civil	Business Administration - London School of Economics. (1 year) Civil engineering (Structures) - Cleveland Bridge and Engineering Co. Ltd. (1 year)	Mitchell Apartments, Apartment D-8, Mitchell Street, Saint John, New Brunswick.	Ocean Steel & Construction Co., St. John, New Brunswick.
OWER, W. N.	Mechanical	Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) University of Birmingham. (1 year)	208, Gowan Avenue, Toronto, Ontario.	
1957 Group				
CASS, G. R.	Electrical	Light electrical engineering - Imperial College of Science and Technology. (2 years)	75, Steadman Street, Moncton, New Brunswick.	Research Engineer, Department of Research and Development, Canadian National Railways.
1958 Group				
FANJOY, E. M.	Electrical	Electrical engineering - Imperial College of Science and Technology. (1 year) General Electric Co. Ltd. (1 year)	Apt. 2., 1920, Lawrence Avenue West, Weston, Ontario.	
WALFORD, H. W.	Civil	Mechanical engineering - National College for Heating, Ventilating, Refrigeration and Fan Engineering. (6 months) Coode and Partners, Civil Engineers. (6 months) Concrete technology - Imperial College of Science and Technology. (1 year)	c/o Mr. L. A. White, R.R.6, Woodstock Road, Fredericton, New Brunswick.	
1959 Group				
HAYWARD, D. G.	Mechanical	Electrical engineering - English Electric Co. Ltd. (1 year) Hydro-power - Imperial College of Science and Technology. (1 year)	30, Sugarleaf Street, Campbellton, New Brunswick.	Still in U.K. - present address - 411, Fulham Road, Chelsea, London, S.W.10.
WADE, N. H.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	Pennlac, York County, New Brunswick.	Still in U.K. - present address - 70, Castelneau, Barne, London, S.W.13.

WARD, L. R.	Mechanical	College of Aeronautics, Cranfield. (2 years)	98, Edward Street, Moncton, New Brunswick.	Still in U.K. - present address - Mitchell Hall, College of Aeronautics, Cranfield, Bletchley, Bucks.
1960 Group				
BRENNER, T. W.	Civil	Concrete structures - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	Centre Napan, Northumberland County, New Brunswick.	Still in U.K. - present address - London House, Gulford Street, London, W.C.1.
NOVA SCOTIA TECHNICAL COLLEGE				
1951 Group - nil				
1952 Group				
FRANKLIN, D. H.	Civil	Structural engineering - Imperial College of Science and Technology. (1 year) Sir William Arrol & Co. Ltd., Glasgow. (6 months) Scott and Wilson, Kirkpatrick and Partners, London. (6 months)	69, Bland Street, Halifax, Nova Scotia.	K. E. Whitman, Consulting Engineer, 22, Blower Street, Halifax, Nova Scotia.
WALLER, D. H.	Civil	Public Health engineering - Imperial College of Science and Technology. (1 year) Metropolitan Water Board. (8 months) Main Drainage Department, Middlesex County Council. (2 months) Tame and Rea District Drainage Board, Birmingham (1 month) Liverpool Corporation Waterworks. (1 month)	33A, Electric Street, Ottawa, Ontario.	Assistant Research Officer, Division of Building Research, National Research Council.
1953 Group				
MERRITT, J. H.	Mechanical	Power Plant manufacture, C. A. Parsons & Co. Ltd., Newcastle-upon-Tyne. (1 year) Thermodynamics - University of Birmingham. (1 year)	14, Norwood Street, Halifax, Nova Scotia.	National Research Council, Ottawa.
VACHAL, J. D.	Mechanical	Aeronautical engineering - De Havilland and Co. Ltd., Hatfield (Continued studies at Hatfield Technical College). (2 years)	115, Deslauriers Avenue, Pierrefonds, Quebec, Province of Quebec.	Engineer "A", Aerodynamics, Canadair Ltd.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1954 Group				
BUTCHER, R. S.	Mechanical	Manufacture of gas turbines - Rolls Royce Ltd., Derby. (2 years)	Apt. 1. 14, Spring Ave., Deep River, Ontario.	Junior Engineer, Engineering Design Branch, Atomic Energy of Canada Limited.
ROY, A. H.	Mechanical	Mixed academic and practical experience in steam turbine technology. C. A. Parsons & Co. Ltd. Thermodynamics - University of Birmingham. (1 year)	P.O. Box 3, St. Francis Xavier University, Antigonish, Nova Scotia.	Assistant Professor of Engineering, St. Francis Xavier University.
1955 Group				
BENNETT, R. A.	Mechanical	Power Plant engineering and marine turbine experience. Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	20, Hunter Street, New Glasgow, Nova Scotia.	
CAMPBELL, J. E.	Civil	Advanced structures with reference to concrete and steel - Imperial College of Science and Technology. Dorman Long (Bridge & Engineering) Ltd., London. (1 year)	35, George Street, New Waterford, Nova Scotia.	
WELD, G. B.	Mechanical	Mechanical engineering, applied mechanics - The Brush Group Limited, Loughborough. University of Sheffield. (4 months) (1 year)	2, Fourth Street, Halifax, Nova Scotia.	Assistant Professor of Mechanical Engineering, Nova Scotia Technical College, Nova Scotia.
1956 Group				
LANE, A. D.	Mechanical	Nuclear power - Metropolitan- Vickers Electrical Co. Ltd., Manchester. University of Birmingham. (1 year)	Staff Hotel, Deep River, Ontario.	Project Engineer, Fuel Development Branch, Atomic Energy of Canada, Ltd., Chalk River, Ontario.

1957 Group				
CAMPBELL, M. C.	Chemical	Metallurgical engineering - Imperial College of Science and Technology, Royal School of Mines.	15, Coburg Road, Halifax, Nova Scotia.	
CHURCHILL, R. J.	Electrical	Light electrical engineering - University of Birmingham. (1 year) University of Liverpool. (1 year)	Reaches Road, New Waterford, Nova Scotia.	Still in U.K. - present address - 21A, Bristol Road, Liverpool, 15.
1958 Group				
BASSO, G. L.	Mechanical	Nuclear power - Imperial College of Science and Technology. (2 years)	25, Hinchley Avenue, New Waterford, Nova Scotia.	
BROWN, J. D.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	219, Inglis Street, Halifax, Nova Scotia.	Still in U.K. - present address - 7, Haarlem Road, London, W.14.
CLARKE, W. A.	Mining Engineering	Business Administration - London School of Economics. (1 year) Commonwealth Development Finance Co. Ltd. (1 year)	25, Douglas Avenue, Glace Bay, Nova Scotia.	
ROBERTS, W. G.	Electrical	Nuclear power - Imperial College of Science and Technology. (1 year) Analogue computers - University of Manchester. (1 year)	# 507, 110 St. Clair Avenue West, Toronto, Ontario.	
1959 Group				
DIBBLEE, D. H. W.	Civil	Structural engineering - University of Cambridge. (1 year) Business Administration - The London School of Economics. (1 year)	350, South Street, Halifax, Nova Scotia.	Still in U.K. - present address - 1A, Duke's Yard, Duke Street, London, W.1.
KENNEDY, P. G.	Electrical	Electronics - University of Manchester. (2 years)	145, Mumford Road, Halifax, Nova Scotia.	Still in U.K. - present address - 99, Palatine Road, West Didsbury, Manchester, 20.
O'BRIEN, E. C.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd. Business Administration - The London School of Economics. (1 year)	14, Spring Avenue, Apt. 4, Deep River, Ontario.	Still in U.K. - present address - 11, Bloomfield Road, London, N.6.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1959 Group - continued				
SMITH, B. C.	Mechanical	Gas turbines - Bristol Siddeley Engines Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)	89, Maclean Street, Glace Bay, Nova Scotia.	Still in U.K. present address - 28, Beechwood Road, Warley, Birmingham, 41.
1960 Group				
CHRISTIE, F. A.	Mechanical	Research in gas turbines - National Gas Turbine Establishment. (1 year) 2nd year to be arranged at a university.	11, Regent Street, Amhurst, Nova Scotia.	Still in U.K. - present address - Russets, Albany Road, Fleet, Hants.
SKINNER, D. J.	Chemical	Chemical engineering - University of Birmingham (1 year) 2nd year to be arranged in industry.	88, Cambridge Street, Halifax, Nova Scotia.	Still in U.K. - present address - 36, Amesbury Road, Moseley, Birmingham 13.
UNIVERSITY OF OTTAWA				
1959 Group				
LEMAY, L. P.	Electrical	Telecommunications - Imperial College of Science and Technology. (2 years)	Masson, Province of Quebec.	Still in U.K. - present address - 38, Cranley Gardens, London, S.W.7.
PROVINCIAL COLLEGE OF TECHNOLOGY AND ART, CALGARY				
1957 Group				
MALET DE CARTERET, R.	Aeronautical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	1460, Painter Circle, Apt. 9, St. Laurent, Montreal, Province of Quebec.	Canadair, Montreal.
QUEEN'S UNIVERSITY				
1951 Group				
BRECK, W. G.	Chemical	Electro-chemistry - University of Cambridge. (2 years)		Queen's University, Kingston, Ontario.
SINCLAIR, G. R.	Civil	Concrete structures - Imperial College of Science and Technology. (2 years)	1227, Argyle Road, Windsor, Ontario.	Canadian Bridge Co., Walkerville, Ontario.

SLINGERLAND, F. W. (82968)	Mechanical	Gas turbine technology - Imperial College of Science and Technology. (2 years)	95, Findlay Avenue, Ottawa, Ontario.	Operational Research Department of National Defence, Quebec, Province of Quebec.
WILLIAMS, A. J.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	c/o 124 Fentiman Avenue, Ottawa, Ontario.	Department of Mines and Technical Surveys, Ottawa.
1952 Group				
BIGHAM, C. B.	Engineering Physics	Nuclear physics - University of Liverpool. (2 years)	14, Spring Avenue, Deep River, Ontario.	Atomic Energy Ltd., Chalk River, Ontario.
MACMILLAN, F. A.	Engineering Physics	Aerodynamics - University of Cambridge. (2 years)	339, Constantine Street, St. Eustache, Province of Quebec.	Aerodynamacist, Canadair, Montreal.
MITCHELL, J.	Engineering Physics	Electronics and servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (9 months)		
NIKIFORUK, P. N.	Engineering Physics	Electronics - University of Manchester. (2 years)	Vegreville, Alberta.	Defence Construction Ltd., Edmonton, Alberta.
1953 Group				
BENNETEAU, P. J.	Engineering Physics	Electronics - Imperial College of Science and Technology. (10 months)		Application Engineer, Fairchild Semiconductor Corporation, 545, Whisman Road, Mountain View, California, U.S.A.
BROWN, R. L.	Engineering Physics	Aircraft propulsion - College of Aeronautics, Cranfield. (2 years)		Thermodynamics Engineer, Air Research Manufacturing Co. of Arizona.
HILL, P. G.	Mechanical	Gas turbine industry - Rolls Royce Ltd., Derby. (1 year) Thermodynamics - University of Birmingham. (1 year)	492, East 55 Street, Vancouver, 15, British Columbia.	
MISSEN, R. W.	Chemical	Physical chemistry - University of Cambridge. (2 years)	Dept. of Chemical Engineering, University of Toronto, Toronto 5, Ontario.	Assistant Professor of Chemical Engineering, University of Toronto.
OLSEN, A. T.	Mechanical	Gas turbine industry - Rolls Royce Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)	Gravenhurst, Ontario.	University of Western Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1954 Group				
ELLIS, J. S.	Civil	Structures and materials - University of Cambridge. (2 years)	418, Earl Street, Kingston, Ontario.	With J. D. Lee & Co. Kingston.
MACDONALD, I. J.	Mechanical	Mechanical engineering - Fraser and Chalmers in G.E.C. Group. (1 year) Thermodynamics - University of Birmingham. (1 year)	2135, St. Mark Street, Apt. 12, Montreal, Province of Quebec.	Dominion Eng. Co., Lachine, Province of Quebec.
PIKE, J. G.	Mechanical	Construction of gas turbines - Bristol Aeroplane Co. Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)	Mechanical Engineering Research Laboratories, McGill University, Montreal, Province of Quebec.	Research Assistant, McGill University
TURNER, L. R.	Chemical	Design and manufacture of heat transfer equipment, suitable for chemical plant - Foster, Wheeler Ltd., London. (2 years)	307, Queenston Gn. St. St. Catherine's, Ontario.	Job Engineer, Refinery Equipment, Foster Wheeler Ltd.
1955 Group				
CORNEIL, E. R.	Mechanical	Servomechanisms - Imperial College of Science and Technology. (2 years)	Queen's University, Mechanical Engineering Department, Kingston, Ontario.	On Staff of Queen's University Mechanical Engineering Department.
MCLELLAN, P. W.	Chemical	Chemical engineering - Oil Refining - British Petroleum Co. Ltd., Isle of Grain, Kent and Sunbury-on-Thames. (18 months) The Power Gas Corporation, Stockton-on-Tees. (6 months)	191, Park Street, Kingston, Ontario.	Research Engineer, "Terylene" Plant, Canadian Industries Ltd., Kingston, Ontario.
NORTH, H. E. T. (formerly TUISKU, H. E.)	Mechanical	Aeronautical engineering, specialising in helicopters - College of Aeronautics, Cranfield. (2 years)	612, Corydon Avenue, Apt. #15, Winnipeg, 13, Manitoba.	On staff of University of Manitoba. Special lecturer in Department of Mechanical Engineering.
1956 Group				
BROWN, J. A.	Chemical	Physical metallurgy - University of Birmingham. (2 years)	211, Kootenay Avenue, Trail, British Columbia.	Research Engineer, Consolidated Mining and Smelting Co. of Canada Ltd., Trail, British Columbia.

FUNKE, E. R. R.	Electrical Communications	Servomechanisms - Imperial College of Science and Technology. (2 years)	2684, Avers Avenue, Ottawa 1, Ontario.	Assistant Research Officer, Analysis Section, Division of Mechanical Engineering, National Research Council, Montreal Road, Ottawa, Ontario.
HENDERSON, J. E.	Civil	Civil engineering, structural research - University of Birmingham. (2 years)	R.R.2, Rigaud, Province of Quebec.	Engineering Dam Construction, Angus-Robertson Company, W. Pakistan.
HOWARD, J. H. G.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - University of Birmingham. (1 year)	21, Albert Street, Kingston, Ontario.	Still in U.K. - present address - 44, Gresham Road, Cambridge.
SKOCZYLA, H.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	10634, 85th Avenue, Edmonton, Alberta.	Lecturer in Microwave Electronics, Department of Electrical Engineering, University of Alberta.
1957 Group				
JULL, E. V.	Engineering Physics	Light electrical engineering - University College, London. (2 years)	R.R.3, Ottawa, Ontario.	
MIDDLEY, P. A. S.	Electrical	Light electrical engineering - Imperial College of Science and Technology. (1 year) Aveley Electric Ltd. (1 year)	121, Ewen Road, Hamilton, Ontario.	
VANDALEN, K.	Civil	Reinforced and prestressed concrete - Imperial College of Science and Technology. (2 years)	70, Vachon Street, Apartment 2, Ottawa 2, Ontario.	Still in U.K. - present address - 38, Queen's Gate Terrace, London, S.W.7.
1958 Group				
BARRY, A. L.	Engineering Physics	Electrical engineering - Imperial College of Science and Technology. (2 years)	Highland Road, London, Ontario.	Still in U.K. - present address - 87, Kensington Court, London, W.8.
LOCKWOOD, F. C.	Mechanical	Mechanical engineering - Rootes Group, Humber Ltd. (1 year) Gas turbine technology - Imperial School of Science and Technology. (1 year)	15, Arundel Avenue, Ottawa 2, Ontario.	Still in U.K. - present address - 129, Long Road, Cambridge.
LOW, D. I. R.	Chemical	Physical chemistry - University of Cambridge. (2 years)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1958 Group - continued				
ROBERTSON, S. D.	Electrical	Electrical engineering - Imperial College of Science and Technology. (2 years)	132, Clarendon Avenue, Ottawa 3, Ontario.	
WHITELEY, H. R.	Civil	Civil engineering - Imperial College of Science and Technology. (1 year) Messrs. Binnie, Deacon and Gourlay. (1 year)	539, Broadview Avenue, Ottawa, 3, Ontario.	
1959 Group				
FORBES, R. S.	Mechanical	Production engineering - Alex, Pirie & Sons Ltd. (1 year) University of Birmingham. (1 year)	Box 744, Kapuskasing, Ontario.	Still in U.K. - present address - 62, Oxford Road, Moseley, Birmingham, 13.
MASON, R. E. A.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	2, Westwood Drive, Pointe Claire, Province of Quebec.	Still in U.K. - present address - 56, Avonmore Road, London, W.14.
1960 Group				
BARNARD, P. R.	Civil	Theory of structure and strength of materials - University of Cambridge. (1 year) 2nd year to be arranged with a firm of consultants.	226, Douglas Avenue, Oakville, Ontario.	Still in U.K. - present address - Fanshawe House, 7, Selwyn Gardens, Cambridge.
MAINE, F. W.	Chemical	Engineering chemistry - University of Cambridge. (2 years)	20, Barrle Street, Kingston, Ontario.	Still in U.K. - present address - 5, Tenison Avenue, Cambridge.
WATT, W. E.	Civil	Hydropower technology - Imperial College of Science and Technology. (1 year) 2nd year to be arranged in industry.	6, Marttilla Drive, Sudbury, Ontario.	Still in U.K. - present address - 19, Collingham Road, London, S.W.5.
UNIVERSITY OF SASKATCHEWAN				
1951 Group				
COLLIN, R. E.	Engineering Physics	Electronics and Radar - Imperial College of Science and Technology. (2 years)		Defence Research Board Establishment, C.A.R.D.E., Quebec City, Quebec (Microwave Section - Guided Missiles).

LINK, W. T.	Engineering Physics	Nuclear physics - University of Birmingham. (2 years)	4151, Dorchester St. West, Westmount, Province of Quebec.	R. C. A. Victor Co. Ltd., Research Laboratories, Montreal - Member of Scientific Staff.
1952 Group				
ALMOND, J.	Physics	Electronics - Imperial College of Science and Technology. (2 years)	The Pas, Manitoba.	Sohio Petroleum Co., 109, Bamlett Bldg., 8th Avenue West, Calgary, Alberta.
FRASER, D. J.	Geological	Oil technology - University of Birmingham. (10 months)		Assistant Professor of Chemical Engineering, University of Saskatchewan. Saskatoon.
1953 Group				
BLACHFORD, C. W.	Electrical	Electrical engineering - English Electric Co. Ltd., Stafford. (2 years)	Box 56, Ardath, Saskatchewan.	Research Assistant, Mechanical Engineering Department, University of Illinois, Urbana, Ill. U.S.A.
CLARK, J. C.	Agricultural	Mechanical engineering (Tractor Production) The David Brown Companies Ltd. (2 years)	Apt. 21, Aberdeen Apartments, 210, Aberdeen Avenue, Hamilton, Ontario.	University of Saskatchewan, Saskatoon.
THOMPSON, K. M.	Chemical	Chemical engineering - Imperial Chemical Industries Ltd., Billingham. (2 years)	103, Albert Avenue, Saskatoon, Saskatchewan.	
1954 Group				
JONES, B. G.	Mechanical	Nuclear power - English Electric Co. Ltd., Rugby. (1 year) Atomic Energy Research Establishment, Harwell. (1 year)	308, Spadina Crescent W., Saskatoon, Saskatchewan.	
WRIGHT, P. M.	Civil	Structural steel work design, fabrication and erection - Dorman Long (Bridge and Engineering) Ltd., Middlesbrough. (2 years)		
1955 Group				
LANCEMAN, P.	Civil	Advanced structures - Imperial College of Science and Technology. (1 year) Dorman Long & Co. Ltd., Middlesbrough. (1 year)	c/o Dominion Bridge Co., Box 1629, Estevan, Saskatchewan.	Dominion Bridge Company, Canada Building, Winnipeg, Manitoba - Structural Designer, Site Erection Engineering.
SHIELDS, D. H.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year) Scott & Wilson, Kirkpatrick & Partners, London. (1 month)		Ripley and Associates Ltd., Engineering Consultants.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SASKATCHEWAN - continued				
1956 Group				
MICKLEBOROUGH, B. W.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year)	Smith Street & 7th Avenue, Regina, Saskatchewan.	Special Projects Engineer, Soil Mechanics, Materials Branch, Department of Highways, Regina, Saskatchewan.
1957 Group				
JOHNSON, D. W.	Engineering Physics	Light electrical engineering - Imperial College of Science and Technology. (2 years)	30, Clearview Heights, Apt. 14, Toronto, 15, Ontario-	The Canadian General Electric Company, Toronto, Ontario.
UKRAINETZ, P. R.	Mechanical	Aeronautical engineering - Bristol Aeroplane Co. Ltd. (2 years)	1025, West 52nd Avenue, Vancouver, 14, British Columbia.	Further graduate studies at University of British Columbia.
1958 Group				
CRITCHLEY, R. F.	Mechanical	Mechanical engineering - Vickers-Armstrongs Ltd. (1 year)	1223, 15th St. West, Prince Albert, Saskatchewan.	Killed in accident 21.6.59
TILL, C. E.	Engineering Physics	Nuclear physics - Imperial College of Science and Technology. (2 years)	Box 921, Nipawin, Saskatchewan.	
1959 Group				
MENELEY, D. A.	Civil	Nuclear power - Imperial College of Science and Technology. (2 years)	2300, Athol Street, Regina, Saskatchewan.	Still in U.K. - present address - 63, Ansell Road, London, S.W.17.
SERDULA, K. J.	Engineering Physics	Nuclear power - University of Birmingham. (2 years)	Esterhazy, Saskatchewan.	Still in U.K. - present address - 72, Park Hill, Moseley, Birmingham, 13.
TROFIMENKOFF, F. N.	Engineering Physics	Telecommunications and electronics - Imperial College of Science and Technology. (2 years)	1232 - 14th Street East, Saskatoon, Saskatchewan.	Still in U.K. - present address - 113, Hopton Road, London, S.W.16.
1960 Group				
BARBER, H. D.	Electrical	Semi-conductors - Imperial College of Science and Technology. (2 years)	Box 321, Strasbourg, Saskatchewan.	Still in U.K. - present address - Flat D, 45, Cromwell Road, London, S.W.7.

NILSON, J. A.	Engineering Physics	Electron physics - Imperial College of Science and Technology. (2 years)	209 - 5th Avenue North, Saskatoon, Saskatchewan.	Still in U.K. - present address - 16, Bective Road, London, S.W.15.
UNIVERSITY OF SHERBROOKE				
1959 Group				
LUNEAU, J. D. G.	Electrical	Electronics - Imperial College of Science and Technology. (1 year) Business Administration - The London School of Economics. (1 year)	12, de Courval Street, Victoriaville, Province of Quebec.	Still in U.K. - present address - 109, Chalbert Court, St. John's Wood, London, N.W.8.
GRATTON, P. M.	Electrical	Automatic control systems - Imperial College of Science and Technology. (1 year) 2nd year to be arranged in industry.	Valcourt, Shefford, Province of Quebec.	Still in U.K. - present address - London House, Guilford Street, London, W.C.1.
UNIVERSITY OF TORONTO				
1951 Group				
ARMOUR, J. M.	Production	Production engineering and administration - Brockhouse Engineering (Southport) Ltd., Southport. (1 year) London School of Economics. (1 year)	Urwick, Currie Ltd., Suite 1903, 80, King Street W., Toronto 1, Ontario.	Urwick, Currie Ltd. - Canadian branch of the U.K. firm of Urwick, Orr and Partners.
FIRSTBROOK, W. A.	Metallurgy	Metallurgy of iron and steel, and administration - Royal Technical College, Glasgow. (1 year) London School of Economics. (1 year)	15, Second Street, Oakville, Ontario.	Metallurgical Engineer, Sales Division, International Nickel Co. of Canada Ltd., Toronto, Ontario.
KOSKI, J. T.	Electrical	Servomechanisms and remote control - Imperial College of Science and Technology. (1 year)	9, Governor's Road, Toronto 5, Ontario.	Dept. of Education for Ontario, Ryerson Institute of Technology, 50, Gould Street, Toronto.
LEAIST, G. T.	Chemical	Rubber technology and administration - National College of Rubber Technology, London, (1 year) London School of Economics. (1 year)	20, Faraday Crescent, Deep River, Ontario.	Assistant Research Officer in the Engineering Division of Atomic Energy of Canada Ltd.
LEICH, D. C.	Engineering Physics	Electronics - University of Cambridge. (2 years)		Assistant Professor of Mechanical Engineering, Princeton University, Princeton, New Jersey, U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1951 Group - continued				
MACDONALD, D. H.	Civil	Soil Mechanics and geology - structural and hydraulic engineering - Imperial College of Science and Technology. (2 years)	Apt. 3, 2024, Murray Street, Niagara Falls, Ontario.	Geotechnical Engineer in charge of Geotechnical Department, Hydraulics Division, H. G. Acres & Co. Ltd., Consulting Engineers, Niagara Falls, Ontario.
MATTHEWS, J. N.	Mechanical	The Machine Tool Industry - H. W. Ward & Co. Ltd., Birmingham. (6 months) Churchill Machine Tool Co. Ltd., Manchester. (6 months) George Richards & Co. Ltd., Broadheath. (2 months) Kendall & Gent Ltd., Manchester. (1 month) John Lang & Co. Ltd., Johnstone, Scotland. (1 month) William Asquith & Co., Halifax. (1 month) Production Engineering Research Association, Melton Mowbray. (9 months)	394, Elm Road, Toronto, 12, Ontario.	Field Engineer & Liaison on Industrial Research, Ontario Research Foundation, 43, Queen's Park Crescent, Toronto.
MOFFAT, T. L.	Mechanical	The Automobile Industry - The Rootes Group. (2 years)	1691, Bayview Avenue, R.R.#1, York Mills, Toronto, Ontario.	Canadian Kodak Co. Ltd., Mount Dennis, Ontario.
PRIOR, B. W.	Engineering Physics	Gas turbine technology - National Gas Turbine Establishment, Pyestock. (2 years)		National Research Council, Ottawa.
STEPHENSON, D. G.	Engineering Physics	Gas dynamics and aerodynamics - Imperial College of Science and Technology. (2 years)	25, Crownhill, Cardinal Heights, Ottawa, Ontario.	National Research Council, Ottawa.
1952 Group				
ADAMS, E. J.	Mechanical	Mechanical engineering - English Electric Co. Ltd., Rugby. (2 years)		
CHURCH, P. B.	Aeronautical	Aircraft construction - Fairey Aviation Co. Ltd., Hayes. (2 years)	79, Arlington Avenue, Toronto, Ontario.	John Inglis Co., Toronto, Ontario.
CROSS, D. H. E.	Physics	Gas turbine technology - Imperial College of Science and Technology. (1 year) Rolls-Royce Ltd., Derby. (1 year)	Apt. 401, 58, Ranleigh Avenue, Toronto 12, Ontario. 448, Piccadilly Avenue, Ottawa, Ontario.	Aerodynamicist, de Havilland Aircraft of Canada, Ltd. Supervisor Aerodynamics, Orenda Engines, Malton, Ontario.

DODD, W. B.	Mechanical	Fabrication and production - British Thomson-Houston Co. Ltd., Rugby. (2 years)	4943, West Hill Avenue, Montreal, 29, Province of Quebec.	Dominion Engineering Works Ltd., (Hydraulic Division), Lachine, Montreal 32, Province of Quebec.
RAYNER, W. M.	Mechanical	Manufacturing methods and processes - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (21 months)	41, Deyncourt Drive, Burlington, Ontario.	Turbine Division, Canadian Westinghouse Co. Ltd., Hamilton, Ontario.
WRIGHT, G. D. T.	Civil	Plastic analysis and design of structures - University of Cambridge. (2 years)	71, George Street, Waterloo, Ontario.	Professor of Civil Engineering, and Dean of the Faculty of Engineering, University of Waterloo, Ontario.
1953 Group				
DELORY, F. A.	Civil	Soil mechanics and concrete technology - Imperial College of Science and Technology. (2 years)	4201, Arnold Avenue, Pierrefonds, Province of Quebec.	Assistant Professor, Department of Civil Engineering, University of Toronto, 5, Ontario.
DOOLEY, J. E.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) D. Napier & Sons, Acton. (1 year)		Sales Development, Dupont Company of Canada Ltd., 1135, Beaver Hall Hill, Montreal, Province of Quebec.
FEE, E. W.	Mechanical	Nuclear power - English Electric Co. Ltd., Rugby and Atomic Energy Research Establishment, Harwell. (2 years)	Apt. 106, 276, St. Clair Street West, Toronto, Ontario.	
LAUBITZ, M. J.	Engineering Physics	Applied physics - University of Cambridge. (2 years)	100, Patterson Avenue, Ottawa, Ontario.	Research Physicist, National Research Council.
MOLOZZI, A. R.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	82, Stinson Avenue, Bells Corner, Ontario.	Scientific Service Officer Electronics Research - Defence Research Board, Ottawa, Ontario.
NEILL, M. T.	Mechanical	Mechanical engineering with special reference to Gas turbine locomotives - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Poole and Associates, Marple Bridge. (5 months)		Applications Engineer, Isotope Products Ltd., Oakville, Ontario.
WOOD, J. K.	Chemical	Mechanical engineering and instrumental control - College of Technology, Manchester. (1 year) Imperial Chemical Industries Ltd., (1 year)	Box 301, McMasterville, Quebec, Province of Quebec.	Explosives Division, Canadian Industries Ltd., McMasterville, Province of Quebec.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1954 Group				
BATE, D. S. L.	Engineering Physics	Nuclear power - C. A. Parsons & Co. Ltd., Newcastle and A. Reyrolle & Co. Ltd., Hebburn, Co. Durham. (2 years)	149, Glencairn Avenue, Toronto, Ontario.	Ontario Hydro, 620, University Avenue, Toronto, Ontario.
BRYCE, W. W.	Aeronautical	Aerodynamics - College of Aeronautics, Cranfield. (2 years)	6, Conrad Avenue, Toronto 10, Ontario.	Aeroelastics Group, Avro Aircraft, Toronto.
DOWLING, P. J.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year 10 months)	10735 - 54 Street, Edmonton, Alberta.	Manager for Alberta and Saskatchewan, Frankl of Canada Limited. Business address - 10032 - 105 Street, Edmonton, Alberta.
PETTIGREW, H. C.	Engineering Physics	Electronics and Remote controls - Imperial College of Science and Technology. (2 years)	Otterville, Ontario.	Industrial Department, Turinbity Gas Company.
RHODES, R. T.	Mechanical	Works experience in light engineering quantity production - The Rootes Group, Coventry, Luton, Maldstone and London. (2 years)	114, Winnipeg Avenue, Port Arthur, Ontario.	
SHAW, D. S.	Mechanical	Production techniques and management - General Electric Co. Ltd., Witton. (1 year) University of Birmingham. (1 year)	Victoria Street, Walkerton, Ontario.	Canadian Spool & Bobbin Co. Ltd. Colborne Street, Walkerton, Ontario.
1955 Group				
BURKE, P. D.	Electrical communications	Telecommunications - Standard Telephones and Cables Ltd., Woolwich & Woolwich Polytechnic. (2 years)	71, Bonstead Avenue, Toronto, Ontario.	Canadian National Telegraphs, 151, Front Street West, Toronto, Ontario.
FRENCH, J. B.	Chemical	Aircraft gasdynamics & thermo- dynamics - National Gas Turbine Establishment, Farnborough. (1 year) University of Birmingham. (1 year)	20, Cringate Drive, P.O. "S", Toronto 18. Ontario.	Institute of Aerophysics, University of Toronto.

HAM, R. K.	Engineering Physics	Physical metallurgy - University of Birmingham. (2 years)	R.R.2, Paris, Ontario.	
HANSON, J. V.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)	31, Cavotti Crescent, Downsview, Toronto, Ontario.	Merker Bros., 1016, Eglinton Avenue West, Toronto, Ontario.
HARRIS, S. G.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	Nakina, Ontario.	National Research Council, Ottawa, Ontario.
LOWE D. C.	Mechanical	Production engineering - Vauxhall Motors Ltd. (1 year) University of Birmingham. (1 year)	848, Park Lane Avenue, Oshawa, Ontario.	General Motors of Canada - Special Assignments (Manufacturing)
SIMPSON, R. W.	Aeronautical	Aircraft design and propulsion - College of Aeronautics, Cranfield. (2 years)	2247, Lillian Street, Windsor, Ontario.	Aerodynamicist, de Havilland Aircraft Co. Canada.
1956 Group				
ARMSTRONG, M. J.	Mechanical	Industrial engineering - The Brush Group Ltd., (1 year) University of Birmingham. (1 year)	Apt. 314, 161, Wilson Avenue West, Toronto, Ontario.	Industrial Engineer. Turnbull Elevator Company.
CRAWFORD, G. A.	Metallurgy	Extractive metallurgy - Imperial College of Science and Technology. (2 years)	49, Heddington Avenue, Toronto 12, Ontario.	Research Metallurgist, Falconbridge Nickel Mines Ltd., Richvale, Ontario.
HARRISON, M. A.	Engineering Physics	Business Administration - London School of Economics. (1 year) Production Planning - Elliot Bros., London. (1 year)	616, Westview Avenue, Ottawa, Ontario.	Supervisor, Corporate Industrial Relations Dept., Canadian Broadcasting Corporation, Ottawa, Ontario.
MORGENSTERN, N.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	76, Strathearn Road, Toronto, Ontario.	Still in U.K. - present address - Imperial College of Science and Technology, Department of Civil Engineering, London, S.W.7.
NETTLETON, T. R.	Aeronautical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	Apt. 204, Windsor Apartments, 186, Wilson Avenue, Toronto, Ontario.	Aerodynamicist, de Havilland Aircraft Company, Canada.
SWANSON, S. R.	Aeronautical	Aeronautical engineering - (Aircraft Design) - College of Aeronautics, Cranfield. (2 years)	Apt. 313, 470, Wilson Avenue, Downsview, Ontario.	Sponsored by De Havilland Aircraft Company of Canada as full time Ph.D. student at University of Toronto.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1956 Group - continued				
WALLACE, R. R.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) E. J. Cook & Co. (4 months)		Now in U.K.:- Present address - 101, Langthorne Street, London, S.W.6. Structural Engineer, Scott, Wilson, Partners, Kirkpatrick & Partners, 47, Victoria Street, London, S.W.1
WILENIUS, G. P. T.	Mechanical	Nuclear power - Imperial College of Science and Technology. (2 years)	2145, Avenue, L'Emerillon, Quebec City 3, Province of Quebec.	Defence Research Board of Canada, Valcartier, Province of Quebec.
1957 Group				
BROWN, L. M.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	2496, Chilver Road, Windsor, Ontario.	Still in U.K. - present address - University of Cambridge.
FOULDS, J. G.	Electrical	Electronic machinery control systems - Imperial College of Science & Technology. (2 years)	137, Glenaden Avenue East, Toronto, Ontario.	The Steel Company of Canada, Toronto.
KING, G. F.	Chemical	Chemical engineering - Imperial Chemical Industries Limited. (1 year) University of Birmingham (1 year)	R.R. #1, Nashville, Ontario.	
McLEAN, D. J.	Engineering Physics	Light electrical engineering - Imperial College of Science and Technology. (2 years)	Apt. 207, 1491, Wilson Avenue, Downsview, Ontario.	Still in U.K. - present address - 61, Chesterton Road, Cambridge.
REYNOLDS, A. J.	Aeronautical	Aeronautics - Imperial College of Science and Technology. (2 years)	45, Wineva Avenue, Toronto, Ontario.	
1958 Group				
BODROGHY, B. G.	Mechanical	Nuclear power - Imperial College of Science and Technology. (1 year) "Engineering" (1 year)	1638, Matthews Avenue, Vancouver, British Columbia.	Lecturer in Electrical Engineering, Waterloo University, Ontario.
ELLIS, J. B.	Electrical	Electrical engineering - Imperial College of Science and Technology. (2 years)	4, Bywood Drive, Toronto, 18, Ontario.	

HARDWICK, J. D.	Civil	Fluid mechanics and hydraulics - Imperial College of Science and Technology. (2 years)	Appleby College, Oakville, Ontario.	Still in U.K. - present address - London House, Guliford Street, London, W.C.1.
LONCAREVIC, B. D.	Engineering Physics	Geophysics - University of Cambridge. (2 years)	231, Macpherson Avenue, Toronto 7, Ontario.	Still in U.K. - present address - 18, de Freville Avenue, Cambridge.
MATTHEWS, A. E. P.	Mechanical	Mechanical engineering - Northern Aluminium Co. Ltd. (1 year) Business Administration - London School of Economics. (1 year)	36, Thorncliffe Park Drive, Apt. 508, Toronto, 17, Ontario.	Financial Analyst, Ford Motor Company of Canada Ltd.,
MERKLINGER, K. J.	Electrical	Electrical engineering - Imperial College of Science and Technology. (1 year) University of Cambridge. (1 year)	110, Gatewood Road, Kitchener, Ontario.	Still in U.K. - present address - Pembroke College, Cambridge.
SEACRAM, N. M.	Mechanical	Mechanical engineering - Rootes Group, Humber Ltd. (1 year) Production engineering - University of Birmingham. (1 year)	210, Inglewood Drive, Toronto, 7, Ontario.	Still in U.K. - present address - 17, Campden Hill Square, London, W.8.
1959 Group				
BONAR, L. G.	Metallurgy	Metallurgy - University of Cambridge. (2 years)	36, St. Hilda's Avenue, Toronto, Ontario.	Still in U.K. - present address - Pembroke College, Cambridge.
LALLY, J. S.	Engineering Physics	Metallurgy - University of Cambridge. (2 years)	69, Hudson Avenue, Montreal, Province of Quebec.	Still in U.K. - present address - 7, St. Barnabas Road, Cambridge.
SAINSBURY, J. D.	Mechanical	Nuclear power - University of Birmingham. (1 year) Business Administration - The London School of Economics (1 year)	227, Rosemount Avenue, Weston, Ontario.	Still in U.K. - present address - 13, Marlborough Crescent, Bedford Park, London, W.4.
STEWART, J. M.	Chemical Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	c/o Mr. Melville Stewart, Bondhead, Ontario.	Still in U.K. - present address - 38, Gravel Hill, Addington, Croydon, Surrey.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS IN CANADA	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1959 Group - continued				
TOPPER, T. H.	Civil	Structural engineering - University of Cambridge. (2 years)	3599, Cawthra Road, Cooksville, Ontario.	Still in U.K. - present address - 19A, High Street, Great Shelford, Cambridge.
1960 Group				
CHISHOLM, S. H.	Electrical	Research in micro-waves - University College London (2 years)	9B, Dorval Avenue, Dorval, Province of Quebec.	Still in U.K. - present address - 152 Bethune Road, London, N.16.
COLLINS, F. E.	Industrial	Operational research - University of Birmingham (1 year) 2nd year to be arranged with a firm of consultants.	449, Heath Street East, Toronto 17, Ontario.	Still in U.K. - present address - Chad Hill, 125, Harborne Road, Edgbaston, Birmingham, 15.
ROSS, R. B. L.	Engineering Physics	Production engineering - I.B.M. United Kingdom Ltd. (1 year) 2nd year to be arranged at a university.	45, Harcourt Drive, Guelph, Ontario.	Still in U.K. - present address - London House, Gullford Street, London, W.C.1.
TABOREK, R. J.	Engineering Physics	Aeronautics - Imperial College of Science and Technology. (1 year) 2nd year to be arranged.	169, Jameson Avenue, Toronto 3, Ontario.	Still in U.K. - present address - 3, Kylie Road, Battersea, London, S.W.11.
WOODSIDE, C. M.	Engineering Physics	Control systems - University of Cambridge. (2 years)	32, Wychwood Park, Toronto 10, Ontario.	Still in U.K. - present address - Pembroke College, Cambridge.
UNIVERSITY OF WESTERN ONTARIO				
1959 Group				
WHITCOMBE, R. M.	Mechanical	Business Administration - London School of Economics. (1 year) British transport Commission. (1 year)	246, Fincadilly Street, London, Ontario.	Still in U.K. - present address - 71, Cadogan Place, London, S.W.1.
1960 Group				
AZIZ, E. M.	Civil	Concrete technology and soil mechanics - Imperial College of Science and Technology. (2 years)	81, Upper Avenue, London, Ontario.	Still in U.K. - present address - 151, Queen's Road, London, S.W.19.

UNIVERSITY COLLEGE LONDON				
1957 Group				
LARKIN, B. S.	Mechanical	Mechanical engineering - Imperial College of Science and Technology. (2 years)	Staff Hotel, Deep River, Ontario.	Still in U.K. - present address - 33, Onslow Gardens London, S.W.7.
GEORGIA INSTITUTE OF TECHNOLOGY				
1960 Group				
BUTTON, H. F.	Electrical	Electrical engineering - Imperial College of Science and Technology (1 year) 2nd year with the Central Electricity Generating Board.	1328, Garnet Street, Regina, Saskatchewan.	Still in U.K. - Present address -

ATHLONE FELLOWSHIPS

NEWS LETTER No. 6

JANUARY 1962

THE ATHLONE FELLOWSHIPS

NEWS LETTER No. 6

January, 1962

With the compliments of the Secretary to the Managing Committee

Board of Trade,
Horse Guards Avenue,
Whitehall,
London, S.W. 1,

THE ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Sir Julian Pode, J.P. (Chairman)
Sir Douglas Logan, D.C.L., LL.D. (Vice Chairman)
G. S. Bosworth, Esq., M.A., A.M.I.Mech.E., A.M.I.E.E. (British Electrical & Allied
Manufacturers' Association)
R. Haslam, Esq. (Scottish Engineering Interests)
C. H. Howitz, Esq., M.Sc., A.M.I.C.E., A.M.I.Struct.E., M.I.Inst.H.E.
(Federation of Civil Engineering Contractors)
D. D. Walker, Esq., M.A., M.I.E.E. (British Engineers Association)
Professor H. E. M. Barlow, B.Sc., Ph.D., M.I.E.E., M.I.Mech.E., F.R.S.
(Pender Professor of Electrical Engineering, University College, London)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., M.I.E.E., F.R.S.E.
(Professor of Electrical Engineering, University of St. Andrews)
Professor S. C. Redshaw, D.Sc., Ph.D., M.I.C.E.
(Professor of Civil Engineering, University of Birmingham)
Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C.
(Professor of Chemical Technology, Imperial College of Science and Technology, London)
J. Young, Esq. (Trades Union Congress)
Captain B. E. W. Logan, R.N. (Retd.) (Federation of British Industries)
N. Sutcliffe, Esq. (The British Council)
V. I. Chapman, Esq. (Board of Trade)
Miss S. M. E. Goodfellow (Ministry of Education)
H. E. Davies, Esq. (Commonwealth Relations Office)
Dr. J. G. Strachan, H.M.I. (Scottish Education Department)
F. E. A. Manning, Esq., C.B.E., M.C., T.D., B.Sc.(Eng.) M.I.Mech.E., M.I.E.E. (Adviser)
J. F. Palmby, Esq. (Secretary)

The Athlone Fellowships News Letter No. 6

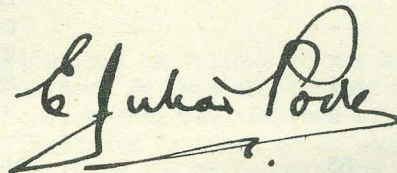
Foreword by Sir Julian Pöde, J.P. (Chairman of the Managing Committee in the United Kingdom)

For three years I have had the privilege of writing the foreword to this, the Athlone News Letter. In my letters of welcome to the 1961 Fellows I said that this year was somewhat of a milestone in the history of the Scheme inasmuch as we were now embarking on the second decade. In fact, 416 Fellowships have been awarded to date, which I think is unquestionably an indication of the success of the Scheme.

I have had the opportunity this particular year of seeing the 1959 Fellows through to the completion of their course. I have no doubt that these men will return to Canada to take up their various careers equipped with a knowledge of our people and habits, which is bound to foster a closer understanding between our two countries.

The need for men with high scientific, technical and managerial ability becomes increasingly urgent as the years go by and I am sure that a training scheme such as the Athlone Fellowships must of necessity continue to go from strength to strength. From what I have already seen of the 1961 entrants, they will not fail in this respect.

I would like to add a personal note on Dr. Monkhouse. He was appointed Advisor to the Scheme in 1958 and retired in September, 1961. During this period he did much travelling and I think will be well remembered in Canada. Mr. Manning has been appointed to succeed Dr. Monkhouse and I wish him every success.

A handwritten signature in dark ink, reading "Sir Julian Pöde". The signature is written in a cursive style with a large, stylized initial "S" and a long horizontal stroke at the end.

Note from the Managing Committee in the United Kingdom

The Managing Committee of the Athlone Fellowships Scheme have pleasure in issuing the 6th News Letter to Fellows past and present, and to others interested in the Scheme in the United Kingdom and in Canada.

Reports by Fellows and by their industrial supervisors and university tutors continue to indicate that the Scheme is working satisfactorily and that current Fellows are more than maintaining the high standard set by their predecessors. The universities and the increasing number of United Kingdom establishments which have accepted Fellows for training maintain their interest in the Scheme, and are giving it every assistance. To these friends the Managing Committee send their sincere thanks and appreciation.

The Managing Committee also wish to express gratitude to all friends in Canadian universities, engineering industries, and in the offices of the British High Commissioner and the Senior Trade Commissioner to whose continued enthusiasm and co-operation the Scheme is indebted.

Dr. A. C. Monkhouse, who had completed three years as Adviser to the Scheme, retired in September, 1961, and has been succeeded by Mr. F. E. A. Manning. Dr. Monkhouse's efforts on behalf of this Scheme and his readiness to do everything possible to meet the individual needs of Fellows have been fully appreciated by officials and Fellows alike and universal good wishes for his future happiness and well-being have been coupled with expressions of regret at his retirement from the Scheme.

In September, 1961, the 11th group of Athlone Fellows arrived in Great Britain bringing the total number of Fellowships to date to 416. The following table shows the relative distribution of training programmes since 1951 and may be of interest:

	<u>Two Years Industry or Industrial Consultants</u>	<u>Two Years University, College, or Research Establishment</u>	<u>Mixed Course</u>	<u>Total</u>
1951	8	21	9	38
1952	4	18	13	35
1953	16	11	10	37
1954	10	10	16	36
1955	8	12	17	37
1956	1	21	16	38
1957	2	28	6	36
1958	-	20	18	38
1959	-	27	14	41
1960	1	27	12	40
1961	3	20	17	40
	<u>53</u>	<u>215</u>	<u>148</u>	<u>416</u>

To date, Fellows have opted for training in the various branches of engineering in the United Kingdom as follows:

Mechanical (including production engineering and administration)	97	Metalliferous mining	2
Aeronautical	32	Petroleum technology	2
Electrical	95	Physical chemistry	4
Civil	86	Nuclear physics	6
Chemical	31	Nuclear chemistry	1
Physics	3	Nuclear power	26
Forestry	1	Environmental	1
Metallurgy	27	Geophysics	2

Of the 1959 Fellows who have completed the two years of their Fellowships and were due to return to Canada in 1961, 15 have remained in the United Kingdom to complete work for a higher degree.

Athlone Associations:

Because of the wide dispersal of returned Athlone Fellows, Quebec remains the only province which has formed an Association about which the Chairman, Jim Dooley, has kindly submitted a special report elsewhere in this issue. The British Trade Commissioners in the other areas maintain contact with returned Fellows in their territories and most of them hold re-unions in the form of informal social gatherings when the Selection Boards are touring; thus affording an annual opportunity of getting together and meeting the Adviser from the United Kingdom. Returned Athlone Fellows should therefore keep the nearest office of the British Trade Commissioner informed of their whereabouts so that they may be notified of such events.

SPECIAL NOTE. Since going to print, information has been received that an Athlone Fellows Association for Toronto has been formed. The Secretary is Mr. R. W. Missen (1953 Fellow from Queen's University) whose present address is: Department of Chemical Engineering, University of Toronto, Toronto, 5, Ontario.

Also, Mrs. Elizabeth Bate, wife of 1954 Fellow D. S. L. Bate of the University of Toronto, has very kindly offered to give advice on experience and conditions in the U.K., to wives of new Athlone Fellows prior to their departure from Canada. Her address is: 149, Glencairn Avenue, Toronto, Ontario; telephone HU.9 - 0256.

Athlone Tie:

The replies received in response to the questionnaire in the last issue of the News Letter indicated that there is no real demand for an Athlone tie. Only some 10 per cent of past and present Athlone Fellows expressed interest and it has therefore been decided not to pursue this matter.

The Managing Committee regret that contributions by Fellows to the News Letter remain limited and will welcome notes from past and present Fellows about their experiences in the United Kingdom and are particularly anxious to hear from past Fellows of their careers in Canada, progress in their employment and any incidents or items which would be of interest to other Fellows and recipients of the Letter both in the United Kingdom and Canada. They would also welcome contributions for the Letter from universities and employing organisations both in the United Kingdom and in Canada on any matter which would be of interest to persons connected with the Scheme, and particularly any constructive suggestions for its improvement.

The Managing Committee are also anxious to receive from all past Fellows, information to keep the records up-to-date. They will therefore be pleased if Fellows will complete the tear-off slip on page 25 and send it to the Secretary, Athlone Fellowships Managing Committee, Board of Trade, Horse Guards Avenue, Whitehall, London, S.W.1.

PAST FELLOWS MAY TELEPHONE CHANGES OF ADDRESS TO THE NEAREST OFFICE OF THE BRITISH TRADE COMMISSIONER IN CANADA.

Note by Dr. A. C. Monkhouse, C.B.E.

It is with regret that I write my final note for the News Letter. I have taken part in three selection tours which have enabled me to gain a wide knowledge of Canada and its problems. Coming from an older country it is refreshing to feel the enthusiasm that exists in Canada for its future prospects. One outstanding example is the growth in educational opportunities. It is encouraging to see the extensions of the older universities, and the development of new ones together with the special facilities given to the various branches of science and engineering. In Great Britain there is a large number of technical colleges, and these now include a number of colleges of advanced technology. There is in Canada scope for a similar development, running parallel with the universities. Latterly I have noticed in some of the provinces of Canada schemes to develop more technical colleges which I am convinced will be a useful adjunct to the educational scheme.

The Athlone Fellowships scheme continues to attract Canadian engineering graduates and the number of applicants in 1961 constituted a record. The opportunity to spend two years in the United Kingdom on post-graduate experience in industry or at the university is a valuable one, as it gives the engineer a wider vision of his profession. It also gives him the opportunity to live in another country with a somewhat different outlook and way of life. On the other hand the Canadian engineer can present a picture of modern Canada with its hopes and aspirations. There are still people who envisage Canada as a land of ice and snow or waving cornfields with Red Indians in the near background. The more the members of the Commonwealth appreciate each other's way of life and each other's problems the stronger will be the ties of the Commonwealth. This result can best be achieved by such methods as the Athlone Fellowships and Commonwealth Scholarships.

In the 1961 Selection Tour 16 universities were visited, an addition of two compared with the preceding year, viz. McMaster University at Hamilton, and Carleton University, Ottawa. From the point of view of allocation they were included in the recent group of three - Western Ontario, Sherbrooke and Ottawa Universities - so that 3 Fellowships were available among the 5. The number of awards available has been maintained at 41, 31 to those at Universities - 10 to those in industry. In view of the increasing number of universities coming forward with schools of engineering at graduate level it has been decided to hold the coming selection tour in November and December and to dispense with the special allocation to individual universities. Consideration will however be given to such factors as the size of the university engineering school, the province etc. but the system will avoid any promising young engineer being missed. The final selection of Group "A" candidates will thus be made at the end of the tour in a similar manner to that of Group "B" candidates.

One of the pleasing features of the tours has been the support and encouragement given by old Athlone Fellows who have been most helpful in giving advice and information to prospective candidates. In the Province of Quebec a live Athlone Association has been established and this may develop in other provinces. The quality of the "A" Candidates was high and many excellent candidates were interviewed. With respect to "B" candidates it would be an advantage if more were sponsored by their firms, although many do co-operate.

Of the Fellows chosen, electrical and civil engineers comprise the larger proportion - of the 40 Fellowships awarded, 20 Fellows opted to spend 2 years at the university, 17 to spend one year each in industry and university, and 3 to spend two years in industry.

The total number of engineering entrants at Canadian Universities is increasing but certain of the larger universities record a slight decrease. This is considered to be a temporary phase, due to the increasing number of new universities with schools of engineering.

One cannot express too highly the support given to Athlone Fellowships by Canadian Universities, by industry and by the Engineering Institute of Canada. This Institute has always been a staunch supporter of the scheme from its inception and its continued support is greatly appreciated.

It has been difficult in the past to keep contact with returned Athlone Fellows but with the help of the U.K. Trade Commissioners, the universities, the newly-formed Quebec Athlone Association and others a more comprehensive list of addresses and posts held by returned Fellows has been compiled for inclusion in the yearly News Letter. It is hoped that all Fellows will help to make this journal a live record not only of their experience in Great Britain but also of their subsequent activities.

The high reputation of the scheme both in Canada and Great Britain has justified the vision of the Founders of the scheme and it has provided a wide type of individual training within its framework, and a better understanding between the two countries.

I conclude with an expression of indebtedness to all those in official capacity, university, industry, Press and Radio who have helped me. I have a great admiration for Canada and its people and am convinced it has a growing part to play in the modern world.

A. C. M.

Note by F. E. A. Manning, C.B.E. (Athlone Fellowships Adviser)

I am glad to take this opportunity of saying how pleased I am to be appointed Adviser on the Athlone Fellowships although, like so very many others, I regret that the post has been vacated. It is an honour as well as a pleasure to be associated with this flourishing, well-run and worth-while scheme. Having taken over the helm from such a talented and universally popular Adviser as Dr. Monkhouse, I shall start off along the course he has so well charted and I do not expect that much, if any, deviation will be required.

I have not been in post very long, but I have already spoken to most of the Fellows of 1961 and to several of those who joined us in 1960. I am impressed by the ability and keenness of all I have met and I shall do my best to choose for future years their equals in all respects - I can hardly do better.

F.E.A.M.

TRIBUTES TO DR. A. C. MONKHOUSE, C.B.E., FORMER ADVISER,

FROM ATHLONE FELLOWS:

(1) - in London

'Let us, then, be up and doing,
With a heart for any fate;
Still achieving, still pursuing,
Learn to labour and to wait.'

Henry Wadsworth Longfellow.

This autumn the Athlone Fellowships scheme saw another phase come to an end. Dr. Monkhouse, the Fellowships Adviser, retired from his post. The transition from one adviser to another was up to the usual high standard of the Athlone Fellowships Committee; it was unnoticeable, without effects on any individual plans, without anything more apparent than a letter from Dr. Monkhouse stating his retirement. However, as we are the Athlones who have bridged this transitional period, it has a significance. Most of us could measure the time we have spent talking to Dr. Monkhouse in actual minutes, but even so, all of us know that in this time an endless impression has been left with us.

Our first introductions to Dr. Monkhouse were at interviews at various universities in Canada. The atmosphere at these interviews was all too typical. We met a group of men, some known to the interviewees, but many were complete strangers introduced to us in terms of their formal capacity. Their questioning, usually first, was also typical. The interviewee who realised that two years of his future plans hinged on this interview found little encouragement to relax in such an atmosphere. Fortunately, this atmosphere was altered when a distinguished-looking gentleman, previously introduced to us as Dr. Monkhouse, took over the interviewing. Within moments the interview was transformed from a court scene to an informal conversation. Frowns disappeared and smiles were abundant.

After a few minutes of conversation with Dr. Monkhouse, it was obvious to all of us that here was a man with an overwhelming personality, not only capable of setting the pace at an interview, but a person with exceptional sincerity and genuine interest in the student. We could not help walking out of the interview knowing that if we were successful candidates, our plans would be fulfilled, and that the efforts of Dr. Monkhouse on our behalves would not end at that interview.

Dr. Monkhouse's outstanding personality was undoubtedly our greatest source of confidence that the two-year period we would be spending in Britain would be extremely beneficial. We knew from our first meeting with Dr. Monkhouse that no arrangement would be too complex or unusual and that he would, to the last detail, make the necessary arrangements. Those of us who desired guidance in our plans certainly found this. Dr. Monkhouse was never too busy to discuss, suggest, and implement our plans and ideas.

Our next meetings with Dr. Monkhouse in London were more varied. Some were to discuss plans, others to make final arrangements, and for some these meetings were their second introduction. In all cases, his quality of interest for the student, so present at the initial interview, was still obvious.

Socially, many of us met Dr. Monkhouse again, some at functions organised for Athlones, some by chance meetings at dances, receptions, or even holidays. In such cases yet another aspect of Dr. Monkhouse's personality made our respect for him, already great, increase. His friendliness, informal yet sincere, undemanding yet constant, was ever present at such functions.

There is virtually no aspect of our dealings with Dr. Monkhouse that has left us with any impression other than that of great regard and respect for him. He was an adviser and friend, and is now a friend and an example, a person we all hope to meet again before leaving Britain to thank personally for what he has done. But in the meantime, we shall express a hearty 'thank you' to him and best wishes for a pleasant retirement - one which, especially after dealing with many students, will undoubtedly be summarized in the words of Robinson Jeffers:

'Praise youth's hot blood if you will, I think that happiness
Rather consists in having lived clear through
Youth and hot blood, on to the wintrier hemisphere
Where one has time to wait and to remember.'

(2) - in Birmingham

As most Athlone Fellows will recall, one's first vision of Dr. Monkhouse was that of a gentleman on the other side of a huge cold table, flanked by approximately five men on either side and asking searching questions at the selection interview in Canada.

Once having cracked this formidable barrier and found oneself in London for the initiation week, one realized quickly how smoothly Dr. Monkhouse maintained the proceedings while at the same time keeping his interest and willingness to help and advise each Fellow on his place of study or training in industry. His warm, friendly chats made us all feel comfortable and at home immediately.

Dr. Monkhouse was a gifted public speaker as demonstrated, firstly, at McGill University when he delivered a very informative talk on "Atmospheric Pollution in Britain". More recently he entertained the Chad Hill residents in Birmingham during our Annual Dinner when he related some delightful anecdotes of the ways of life of Canadians and Athlone Fellows in particular.

I am sure we all will remember Dr. Monkhouse as a dedicated Adviser; congenial, warm, and at all times prepared to help us with our problems.

Athlone Fellows everywhere join in wishing Dr. Monkhouse many years of happy retirement.

ANNUAL REPORT OF THE
QUEBEC ATHLONE FELLOWS ASSOCIATIONS

As was reported in the last issue of this News Letter, the returned Athlone Fellows in the Province of Quebec are endeavouring to maintain contact with one another through formation of the Quebec Athlone Fellows Association. The establishment of this group was greatly facilitated by the kindness and hospitality of Mr. David Guinnell and Mr. Roy Fox, the successive U.K. Trade Commissioners in Montreal.

One of our first official functions occurred last January when the Q.A.F.A., in conjunction with the U.K. Trade Commission, arranged to entertain Dr. Monkhouse and the Athlone selection committee at a cocktail party while they were in Montreal. Other guests included staff representatives from the four Quebec universities with engineering faculties, and distinguished representatives of top management from local industry. In all, almost one hundred people gathered together, meeting old friends and making new ones.

During the summer, Jim Dooley completed a card index listing the names and addresses of all known Athlone Fellows in the region along with their U.K. training and present positions. It is hoped to extend these records as more Fellows return, and so have an up to date, ready reference to all Fellows in the Province. Duplicate records will also be maintained at the Trade Commissioner's office. It is hoped that visiting Fellows will avail themselves of these records to contact old friends when in this area.

This season, the Q.A.F.A. committee plans to hold two main social events:

The first will be a cocktail party in late October, on the occasion of this year's visit by the Selection Committee. The arrangements will follow the precedent established by last year's successful party, and we all look forward to welcoming our friends once again.

Later in the year, plans are being made to get all the Fellows together for an informal reminiscent stag evening. Future policy and plans for the Q.A.F.A. will be formed during these meetings.

The Q.A.F.A. hopes that this association is only the first of many others all across the country.

J. E. Henderson

Treasurer

IN RETROSPECT

The question is often asked "How useful is the U.K. training to the fellows in their jobs in Canada?" This is a difficult question to answer in general terms because of the wide variety of different cases involved.

In an attempt to provide a partial answer to this question a few of the fellows were asked to write a brief paragraph stating how they have made use of their U.K. training since their return to Canada.

It was found almost without exception that the fellows, when asked for their comments, said something favourable about the general background training and something enthusiastic about the cultural experience. I might add that there were some very colourful comments on the subject of British landladies, plumbing, and heating. Each person appears to bring something different to Canada from the time spent in the U.K. and in so far as the total is the sum of its parts there is an enrichment of the Canadian way of life as a result. I am sure that the fellows are grateful to the U.K. providing the opportunity.

It would be unrealistic merely to praise the scheme without offering some constructive criticism. I believe that the major problem for those in industry is that the type of training frequently provided is designed to complete the British engineer's basic training and is not quite so appropriate for the Canadian post-graduate requirements. It is inevitable that there is some difficulty in fitting two halves of two different educational programs together. The British engineer requires an apprentice training to qualify for membership in the Institutes so is inclined to be more philosophical if he feels the time could be spent to better advantage. The Canadian engineer, in spite of the generosity of the U.K., is making a financial sacrifice to spend the time in the U.K. and doesn't require the apprenticeship to qualify as a Professional Engineer in Canada. Consequently, he is inclined to be more impatient and to want a more concentrated type of training.

These are merely a few comments that suggest an area of investigation that could possibly lead to an increase in the vitality of the industrial training.

The main purpose of this preamble is to introduce the paragraphs which the Fellows have very kindly prepared dealing with some specific aspect of their training and subsequent work. These comments follow with the writers name, the years spent in the U.K., and his present employer.

J. E. Dooley
Quebec Athlone Fellows Association

* * * * *

After several years, it is difficult to isolate specific parts of the training one received and to show just how it proved useful in one's later work. Apart from the advantage of a wider experience gained by spending two years at a British University, I think two aspects of my training proved of specific value to me. The first arose because of the research I did for my thesis, and the second out of the post-graduate courses I took at Imperial College. At that time (1952) the transistor was a relatively new device in the electronics industry and my thesis work was associated with the use of transistors in feedback amplifiers. The experience gained in this relatively new field was invaluable when I was given the opportunity of doing some research in transistor theory when I joined the company for which I now work. The Electrical Engineering Department of Imperial College offered a much wider range of graduate courses than was available at any Canadian University and I was able to attend courses in such subjects as Information Theory, Communication Theory, Statistics, and Servomechanisms given by recognized experts in their fields. These courses served as a good grounding in the field of Statistical Communications Theory which has been my major interest for the past three years.

John Almond

1952 - 1954

R.C.A. Victor

* * * * *

In order to spend two years in England on the Athlone Fellowship (1952-1954), leave of absence was granted by the C.N.R. Being involved in the field of railway signal engineering, the time in Britain permitted, in addition to one year post-graduate study at Imperial College, an opportunity to spend time with three main signal suppliers in England, also to observe signalling practices and equipment on the Midland Region of B.R.

This first-hand experience provided a worthwhile insight into production and application of railway signal devices in Britain and has been particularly useful since we have purchased a considerable amount of railway signal equipment from one of the English manufacturers during the past five years. Contacts made with railway and supply personnel while in Britain have made it possible to keep in close touch with their new developments in the signal engineering field, some of which may have application in future to our systems.

H. R. Beck

1952 - 1954

Canadian National Railways

* * * * *

From June 1951 to November 1953 I used my Athlone Fellowship to do post graduate work at the University of Birmingham for a Ph.D. degree in structural engineering. After returning to Canada I joined Dominion Bridge Company in their Structural Design Department. From 1956 to 1958 I was project engineer for the modification of the Jacques Cartier Bridge for the St. Lawrence Seaway. To complete this work Dominion Bridge Company had to purchase a large quantity of hydraulic jacking equipment with specially designed elaborate hydraulic controls. This equipment was purchased from Tange of Birmingham, a firm which I had visited while in England. My knowledge of British engineering was at times useful during these negotiations. Since 1958 I have been in charge of the Structural Design Department, Montreal Branch, and later in charge of Product development for the company. In both of these positions the technical training I received in England has been a distinct necessity.

R. E. CHAMBERLAIN

1951 - 1953

Dominion Bridge - Montreal

* * * * *

Looking back, I am asked in what manner has the Athlone Fellowship furthered my career. What relationship is there between my present employment and the experience gained through the Fellowship?

Both my years in Britain were spent academically at the University of Birmingham conducting research into the stress distribution within steel structures, particularly welded knee brackets having a curved inner flange. My present employment is in the design office of Dominion Bridge Co. Ltd. where I am concerned with the analysis and design of steel structures. There is certainly no doubt that the knowledge and training acquired under the Fellowship is of direct assistance in my daily work.

However, I am firmly of the opinion that even greater value results from the unique opportunity we had of experiencing life in Britain, of seeing the world of men and ideas from a different vantage point, and so of seeing our own North America from abroad.

The Athlone Fellowship has been invaluable in extending our qualification for practical living, but its greatest benefits affect the intangibles of life. A superlative institution.

Ted Henderson

1956 - 1958

Dominion Bridge

* * * * *

In 1952, I had the good fortune of being awarded an Athlone Fellowship to study at the Imperial College of Science and Technology in London. Two and a half years later, the College authorities decided that I was ripe for a Master Degree and for a trip back home.

This ended one of the most rewarding and intellectually challenging periods of my life. My only regret at the time, was that I could not remain longer to enjoy the "cradle to grave" care of the welfare minded British Government.

In looking back, I am still of the same opinion about my stay in England. The post-graduate course that I have followed in civil engineering and the industrial visits that I had the opportunity to make have certainly influenced my engineering conceptions and helped me in my work in the consulting engineering field.

There were many occasions to apply the prestressed concrete and plastic design theories learned in England. Also the research that I made under Professor A. A. L. Baker at the Imperial College on concrete mix and on stress-distribution in a concrete element subjected to bending, proved to be very useful in many circumstances. I still subscribe to many fine technical publications that I became familiar with in England, and in which can be found interesting solutions to all sorts of engineering problems.

Apart from the engineering field, I believe that one of the great advantages of a stay in England for a Canadian, is the opportunity to observe and appreciate some of the best aspects of the British philosophy of life. The truly democratic Government procedure, the kindness and politeness of the civil servants, the orderly way in which all activities are performed, are but a few of the intangible commodities which Great Britain should export to many parts of the world.

Although the Athlone Fellowship scheme is accomplishing most of the purposes for which it was established, it could possibly be improved in some aspects. From my experience abroad, and from discussions with other Athlone fellows, I would like to put forward the following ideas:-

1. The Athlone Fellowship should be preferably awarded to an engineer having two or to three years of practical experience. This would enable him to benefit to a greater extent from his sojourn in British Universities or Industries.
2. One of the present programmes which consist of two academic years in Universities could be completed with practical work in industries during the two summer vacations. Arrangements should be made with the appropriate industries to that effect by the Athlone Fellowship committee on behalf of the fellows.
3. A tour of Great Britain should be organised by the Athlone Fellowship Committee for all Athlone fellows during their stay.

4. Whenever possible, the Athlone Fellowship Selection Committee should have among its members, one or two Athlone fellows.

Some of these suggestions may already have been implemented, but I submit them in case they have been overlooked, as I feel they could perhaps improve an already very successful initiative of the British Government.

E. Lamarre

1952 - 1955

LALONDE & VALOIS

* * * * *

The committee of the Quebec Athlone Fellows Association is collecting a series of comments for the next News Letter, on "Benefits of the Athlone Fellowship". No doubt these benefits are expected to be technical, which rules out the obvious cultural benefits of the scheme.

It would be very nice to say "while in Britain I learnt so-and-so, and when I came back I applied it in this way". I was one of those who took the two year apprenticeship course that is offered to British graduates. The Athlone scheme began while I was in college, and providing such a course was advertised as its principal aim. I applied for a fellowship because I felt that I had missed, in my summer jobs, the practical training I wanted, and because I felt that Britain was a good place to get it. When I got the Athlone I got the training course I asked for.

In retrospect, because the course was designed for those who would be working for the company when they were finished, I would have had a broader idea of what British industry is like if I had taken one year in each two companies. If I had arranged my time the first year with the idea that at the end of one year I would be leaving, then after some time in Britain I could have made up my mind whether I wanted another year of the same thing somewhere else, or whether I wanted to try one of the one year post graduate courses offered by some British universities. (I have heard it said that these courses are not universally recognized in Canada, but surely a years study at a university of world-wide repute is an advance over the simple Bachelor's degree.)

Since returning to Canada I have worked five years for one company, doing both design and research work. I am sure I am a better engineer for having had two years in Britain. What I got on my Fellowship was a "feel" of Engineering, beginning in the foundry and the fitting floor and working up to the offices, and this practical experience has stood me in good stead. Whether, knowing what I now know, I could have got more out of a different program for my two years, is something I will probably never be sure about.

Robert Newey

1953 - 1955

Dominion Engineering

* * * * *

When I applied for an Athlone Fellowship in 1954, I had a definite program in mind and it was to get some technical experience with engine, steel and gas turbine manufacturing industries and also to attend specialized courses in mechanical vibration and lubrication in machinery.

At that time, I was employed by the Ecole Polytechnique of Montreal as assistant and I could get a leave of absence for only one year. Fortunately, I was granted an Athlone Fellowship for one year only. As far as my program was concerned, I worked for some companies of the Brush Group, i.e., Petters Co. at Staines, National Gas & Oil Co., at Ashton Under Lyne and Brush Electrical in Loughborough. I also spent some time at the University of Sheffield in their Post-Graduate School of Applied Mechanics for my courses in vibration and lubrication.

I enjoyed my stay quite a lot and I find that it was an interesting human experience to be able to travel and get to know people from a different country. Although it was not perfect, I was quite satisfied with the training and knowledge obtained during that year. It was also a great help later on for my work as a professor, because when I came back in 1955, I resumed my post at the Ecole Polytechnique where I am now employed in the capacity of Associate Professor in Mechanical Engineering.

Maurice Poupard

1954 - 1956

Ecole Polytechnique - Montreal

* * * * *

My post-graduate training under the Athlone Fellowship Scheme was in Industrial Engineering, specializing in materials handling, plant layout, cost control and administration. My two years programme in the U.K., 1955-57, was one year at Birmingham University and one year in industry. Since my return to Canada all my work has been in the industrial engineering field, and I can honestly say that my training in England has contributed greatly to my advancement in my Company. I doubt if I would have advanced as quickly without the benefit of my Athlone studies. My present position is Co-ordinator of Work Study, Great Lakes Region, Canadian National Railways.

J. P. Vilagos

1955 - 1957

Canadian National Railways

* * * * *

During the period in which I held an Athlone Fellowship, I studied at the City and Guilds College, London. At that time the field of semiconductors, and in particular transistors, was relatively new, and many new techniques were being developed for the manufacture of better and better solid state devices. My interest was in the more fundamental work on the solid state materials and fabrication processes, rather than working with the finished products. My particular work in England was a study of impurity diffusion techniques in Germanium. This work eventually led to the writing of a Thesis and acquiring an MSc degree.

Since returning from England I have been employed at the R.C.A. Victor Research Laboratories, and my work follows very closely on the work done in England, i.e. a study of techniques and processes for the fabrication of special semiconductor devices.

Thus, apart from the invaluable experience gained by doing two years of research, and of writing a thesis, the knowledge gained during that time has been of direct value to me in my new work.

Paul Webb

1955 - 1957

R. C. A. Victor

* * * * *

THE 1960 IMPERIAL COLLEGE AFRICA AND AMERICAS EXPEDITION

by I. S. Gartshore

(Ian Stanley Gartshore is a 1957 Fellow from the University of British Columbia, Vancouver. He spent his two years on the M.Sc., course in aeronautical engineering at the Imperial College of Science & Technology and returned to Canada via Africa and the Americas as a Member of the Imperial College Africa and Americas Expedition. He is now with National Research Council of Canada).

SCARLET BEADS OR STOMACH ULCERS?

The Imperial College of Science and Technology, a part of London University, is located behind the famous Royal Albert Hall in London and has about 3,000 students. Every year from this college, about 10 student expeditions set out, each with official sponsorship from the Imperial College Exploration Board and each with a definite purpose: some to collect geological or botanical specimens some to survey formerly unmapped territory, some to study glaciers or ice fields, and others to combine several of these activities, often in areas that take them half way around the world. In mid-March of 1960, the Imperial College Africa and Americas Expedition left London to travel by road through Africa and South America in order to study light aircraft operations in the two continents. Eight months later, the team had travelled over 40,000 miles and had conducted over 150 personal interviews with relevant personnel along the way. The results from these interviews are being correlated and will be given to interested parties in the United Kingdom.

The Commonwealth crew of three, Dave Hyde an Englishman, Bill Melbourne, appropriately enough an Australian, and myself, a Canadian, met while doing post-graduate work in the Aeronautical Department of Imperial College. Although we financed part of the expedition ourselves, both the Society of British Aircraft Constructors (through the John de Havilland Award), and the Imperial College Exploration Board provided sponsorship, and most of the equipment was supplied by other generous organizations.

The African part of our trip took us from Gibraltar to Morocco, across the Sahara Desert to Nigeria, south and east through the Congo to East Africa and southward via the Central African Federation to Cape Town in South Africa. In all, we spent about three months travelling 15,000 miles along this general route.

The Sahara crossing was not extremely difficult, as most of the hazards involved are eliminated if the journey is made in a 4-wheel drive vehicle in good condition. Only if we had become lost or badly stuck or if the Land Rover had broken down would we have been in any danger. The worst effect of the high temperatures and low humidity was a thirst which drinking did not seem to quench, and it was not until we were able to soak in the tepid water of the Niger River that we again felt normal. Unfortunately this normality lasted only a short time, for the Niger water, as well as relieving our thirst, gave each of us a severe case of dysentery. Lesson number one: never believe a local when he tells you that the water is potable!

Continuing British influence can be seen throughout Nigeria, even though the climate there has been too unpleasant for large-scale white settlement. Tarred roads and small but busy hospitals and schools were quite frequent, as were the "mammy wagons" - trucks piled high with screaming native commuters. In contrast, roads and trucks were both very uncommon in Central Africa. Natives there, since they have never owned bicycles, much less trucks, see no reason to maintain roads; paths are certainly far more practical, although they make tourist travel rather difficult. They have no money and eat nothing grown out of their own district; they work very little and wear even less (standard dress for one group,

the "banana" tribe, is a demure necklace of scarlet beads!) It will be marvellous if these people can effectively be given a vote without first receiving some of the background on which democracy is based.

Our little portable radio, still bringing in the B.B.C. at irregular intervals, told us of trouble in the Congo, and so we requested permission in Stanleyville to camp behind a Roman Catholic school. Frere Charles, whom we met at the school, drove us into the city in the evening to hear the frightening sounds of an anti-Belgian riot, a result of Lumumba's recent election campaigning in the area. We often wonder where Frere Charles is now, for he planned to stay in his school regardless of the political situation.

From the clear, cool highlands of Kenya, now filled with bitter white settlers, the road drops slightly to Nairobi, the capital. In places the city looks like an English suburb, whereas other parts reflect the enormous influence of the many East Indians who live in East Africa. Leaving Nairobi, we skirted Kilimanjaro and drove southward through Tanganyika and into the Federation of Rhodesia and Nyasaland. Both Kariba dam and the "Smoke-That-Thunders", Victoria Falls, were very impressive. The falls, a mile of water plunging over a 320-foot cliff into a narrow gorge, deserve their reputation as one of the world's most spectacular sights.

In both Johannesburg and Cape Town, we stayed in university residences with little or no charge, as guests of the universities in these cities; such was the kindness of the South Africans whom we met. On July 5th our Land Rover was loaded on to a Dutch passenger ship in Cape Town, and later we watched Table Mountain recede slowly into the distance as we sailed "away to Rio".

Rio de Janeiro must certainly be one of the most beautiful cities in the world, and one of the most cosmopolitan. The banks and post-offices of South Africa, where whites and non-whites are separated by the laws of apartheid, seem quite ludicrous when viewed from within the multi-racial society of Brazil. There are so many races in the country, and people have inter-married so freely there, that race prejudice is difficult to practise. We picked up our car, which had been refused entry into Brazil, at Buenos Aires, and after spending several days in this sprawling metropolis, drove westward across the cattle-covered pampas of the Argentine towards the Andes.

The Mendoza Pass through which we had planned to drive was blocked with rock and snow, for we arrived there in August, the heart of the winter season. Several bottles of cognac were required to persuade the railway foreman that a flat car was available for our Land Rover's journey over the pass. With everything arranged, we boarded the guards' van, a sooty windowless box car with a smokey wood stove. During our 36-hour crossing our friendly Argentine engine driver stopped the train on several occasions for us to take his picture against some new background of rock and snow.

The Atacama Desert of northern Chile reminded us of our Sahara crossing completed four short months earlier. A series of flat tyres, caused by the nails remaining from deserted and rotting wooden shacks (relics of more prosperous days in the nitrate fields), made the corrugated roads in this area seem even less pleasant.

Lake Titicaca at 12,200 feet, was once a major centre of the Inca. To reach the vast altiplane on which the lake lies, we had once again to climb into the Andes, this time on a steep gravel road which wound past herds of llamas and through picturesque terraced villages. All native women in Bolivia wear bowler hats, a custom begun many years ago by an enterprising Italian hat maker. These hats, which may be of any colour or size - (the size is not necessarily related to the wearer's head dimension), together with the

brilliant colouring of the skirts and petticoats which the women wear, make them among the most attractive looking people in the world. Their markets, filled with bottles and a curious variety of foods and herbs, are particularly interesting. The bottles are bought to contain alcohol which is home-distilled for use on any of the 140 odd official holidays celebrated with great enthusiasm during the year.

Often travelling near old Inca roads, we motored northward into Peru at altitudes which varied, and the variation provided the difficulty, from six to fourteen thousand feet. From Cuzco, ancient Inca capital, the road drops down to Lima on the coast. Here the great influence of the United States was apparent from the vast supermarkets and the shouts of "Hi" and "O.K." even among the natives.

In Ecuador, that sleepy little country with atrocious roads, we broke our 12th and 13th rear spring leaves. Luckily we were never without spare springs, several of which we had borrowed from Land Rovers which had been misused and deserted by the police in North Africa. Here also we spent our first, and last, night in jail - for arriving between countries after the second border had officially closed. We will never forget Ecuador!

The Pan-American "highway" will someday run through Colombia and into Panama. As yet however, no connecting road exists between these two countries so that motorists must ship their vehicles by sea. Our Land Rover was shipped from Cartagena which we reached by road, while we ourselves had the luxury of a flight to the capital of Costa Rica, San Jose. Picking up the car, we pushed northward through Central America. Border posts between countries remained open officially for about five hours each day, and all formalities could be completed outside these hours (which were unpredictable) only with the assistance of apparently arbitrary amounts of U.S. dollars. On one occasion we camped for about 15 hours on a border, waiting for the time when the crossing could be completed without bribes. One must have patience in Latin America!

Mexico City, with its attention to music, art and drama, as well as to architecture, seems designed for the tourist. Since Mexico derives over one-quarter of its income from foreign visitors each year, it is just possible that this aspect is indeed emphasized. Their roads are wide, well paved and well maintained, and we lost no time in travelling north to the U.S. border at El Paso.

It was with sudden relief that we heard the slow drawl of the Texan customs officer, and realized that we could once again talk easily and be understood. The United States, with its lines of neon-lit motels, jumped abruptly out to greet us, - and our pocket-books. Now back in the hazards of high-speed freeways and blitzed by propaganda on radiation and nuclear war, we wondered whether the simple African native, sitting in the shade of his thatch shelter and doing absolutely nothing all his life, was so badly off after all.

I. S. G.

IMPRESSIONS FROM N.WALES

by R. P. D. Round

(Robin Peter Douglas Round is a 1960 Group "B" Fellow. He graduated at the University of British Columbia in 1957 and for the next three years was with the British Columbia Power Commission. The first year of his Fellowship was spent with Freeman Fox & Partners, Consulting Engineers, on a hydro-electric scheme in N. Wales. For his second year, he is taking the D.I.C. hydro-power course at the Imperial College of Science and Technology, London).

The town of Blaenau Ffestiniog could definitely not be referred to as the "Brightest Spot in Britain". In fact, after a most pleasant railway trip along the north coast of Wales, and then south along the winding and picturesque Corwin Valley, when the train entered a two mile tunnel and emerged at Blaenau, I wasn't really certain we weren't still in the tunnel. The mountains at Blaenau have been turned inside out by the slate miners of the past hundred years or more, giving an impressive but very bleak tone to the surrounding countryside. Photographs of the gray road, gray slate walls, gray slate houses, gray slate roofs, gray slate mountains with no sign of trees, and gray skies, are impossible to definitely identify as "Colour" or "Black and White".

I was actually quite relieved when the driver who met me at the station informed me I would be staying at a residence three miles south - a large Elizabethan manor in the Vale of Ffestiniog. Plas Dol-y-moch (Palace in the meadow of the hogs!) is set at the base of the Moelwyn Range of mountains, with a "Good Fishing" stream running through the front garden, and contains some 25 rooms including a lounge with TV, a games room, and electrically heated, thermostat-controlled bedrooms. The meals, prepared by a jovial Welsh housekeeper, were excellent.

There were five engineers in residence; an Englishman, an Irishman, a Ceylonese, an East Indian, and now a Canadian. However, we were all definitely foreigners in this part of the country, where English is spoken in the villages only as a last resort. School lessons and church services are all in Welsh, but I have discovered one church where the service is in English and the hymns are sung in Welsh and English simultaneously. After trying one verse in English I found that competing with the Hi Fi, Stereophonic resonant voices of the Welsh singing in their native tongue was rather futile, to say the least.

Working on the premise "If you can't fight 'em, join 'em", I began listening to the BBC lessons in Welsh and after six lessons, discovered that with a mouth full of marshmallows and a slight twitch, I would quite fluently master phrases such as "Mae'r yn ol ty ar dan" (the backhouse is on fire), but found great difficulty working them into a conversation!

Another relatively simple phrase that is a "must" is "Mae'n bwrw glaw", (It is raining) and this can be used any day, at any time of the day! The weather forecaster in Blaenau has been wrong only once while I was there. That day (in future, to be remembered in the annals of Blaenau history as the "Day of the Sun"), I set out on an attempt to scale a 2,500 foot "giant" in back of Dol-y-moch. Having been told, the "walk" should take about 3 hours, I left home about 2 p.m. hoping to be back before 5 p.m. and darkness. By 4 p.m. I had barely reached the base of the final assault, but with a gallant, super-human effort, spurred on by dreams of being knighted like Sir Edmund Hillary and planting the Canadian flag on the summit, on reaching said summit I discovered three Welsh nationalists, in the form of rather bored-looking sheep, had already claimed squatters' rights there.

Dejectedly but rather hastily, I set out for home, and before long came upon a river that definitely wasn't there on the way up. After a few moments of intense deliberation, I came to the shattering conclusions that (a) I didn't know where I was, and (b) it was dark. The eerie wail of a screech owl decided my next course of action, and at a Herb Elliot pace, I began thrashing and stumbling through the dark underbrush, guided by the "pleasant murmur of this lovely country stream." Four hours later I arrived home, soaked, scarred and swearing, in time to catch "Guides to Travelling in Wales" on the TV.

The Ffestiniog Pumped Storage Project (incidentally the largest of its kind in the world) is at a very interesting stage of construction. The project involves a buttress dam, two 600 foot shafts, four 3,800 foot tunnels, a lower gravity dam and a power station housing four 75,000 kv units and four 105,000 hp pumps. Working with Freeman, Fox and Partners, major consultants for the job, was most satisfactory.

R.P.D.R.

SLAVE MART

by C. M. Woodside

(Charles Murray Woodside is a 1960 Fellow from the University of Toronto. He is spending the two years of his Fellowship on research into automatic control systems at the University of Cambridge).

A scream eddies up and is lost in the shouting, and two dark, robed figures are hurrying a girl, a white girl, through the crowd, while a third tussles with a man obviously bent on rescue. The swirling crowd, taking no notice of the event, covers them from sight. Then the three sinister figures re-appear and are lost in the throng. The square is filled with shouting, music from native players in the opposite corner, peddlers, shouting their wares and accosting the knots of pleasure-seekers, everywhere beggars stopping the better-dressed, and sunlight, brightening the faces and the loud sounds.

Suddenly the crowd turns and surges to this side of the square, and more people come tumbling out of the dirty narrow streets, and all gather around a platform erected in front of the miserable building where sits the local government. A truly imposing fellow on this platform, tall, with a fierce look, a scarred chin, and a coiled whip in his right hand, comes to the front followed by two dirty-looking toughs bringing the girl I had seen earlier. Those in front shout out their appreciation while at the back necks are craned to see. Beside me I notice a pickpocket sidling up to his victim, but my eyes are drawn back to the lovely vision on the platform. What grace! What breeding! What a perfect example of English maidenhood in this hideous place! The Auction began.

"Look well, you men!" It was the devil with the whip talking. "It is a rare beauty! You there, what will you bid? and he pointed to the nearest onlooker with his whip. The first bid rang out, "Sixpence!" And the accent was Cambridge, the place was the market square, in front of the Guildhall, the Arabs were Christ's College men dressed in their bedsheets and window-curtains, and the occasion was Poppy Day, raising money by a hundred means and making a good carnival for all at the same time.

C.M.W.

ATHLONE FELLOWSHIPS

NEWS LETTER No. 7

JANUARY 1963

THE ATHLONE FELLOWSHIPS

NEWS LETTER No. 7

January 1963

With the compliments of the Secretary to the Managing Committee

Board of Trade
Horse Guards Avenue
Whitehall
LONDON S.W.1

THE ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Sir Julian Pote, J.P. (Chairman)
Sir Douglas Logan, D.C.L., LL.D. (Vice Chairman)
G. S. Bosworth, Esq., M.A., A.M.I.Mech.E., A.M.I.E.E.
(British Electrical & Allied Manufacturers' Association)
E. W. D. Negus, Esq. (Scottish Engineering Interests)
F. E. Prior, Esq., M.I.C.E. (Federation of Civil Engineering Contractors)
D. D. Walker, Esq., M.A., M.I.E.E. (British Engineers' Association)
Professor H. E. M. Barlow, B.Sc., Ph.D., M.I.E.E., M.I.Mech.E., F.R.S.
(Pender Professor of Electrical Engineering, University College, London)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., M.I.E.E., F.R.S.E.
(Professor of Electrical Engineering, University of St. Andrews)
Professor S. C. Redshaw, D.Sc., Ph.D., M.I.C.E.
(Professor of Civil Engineering, University of Birmingham)
Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C.
(Professor of Chemical Technology, Imperial College of Science & Technology, London)
(New nomination pending). (Trades Union Congress)
Captain B. E. W. Logan, R.N. (Retd.) (Federation of British Industries)
J. F. C. Springford, Esq. (The British Council)
P. E. Thornton, Esq. (Board of Trade)
Miss S. M. E. Goodfellow (Ministry of Education)
H. E. Davies, Esq. (Commonwealth Relations Office)
J. A. M. Mitchell, Esq., C.V.O., M.C. (Scottish Education Department)
F. E. A. Manning, Esq., C.B.E., M.C., T.D., B.Sc.(Eng.), M.I.Mech.E., M.I.E.E.,
M.I.Nuc.E. (Adviser)
J. F. Palmby, Esq. (Secretary)

The Athlone Fellowships News Letter No. 7

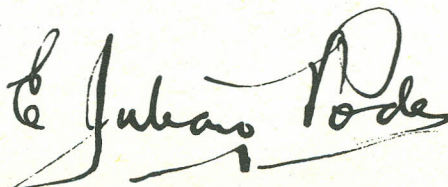
FOREWORD BY SIR JULIAN PODE, J.P. (Chairman of the Managing Committee in the United Kingdom)

It is a great privilege to me to be asked to contribute for the fourth successive year a foreword to the Athlone News Letter. As Chairman of the Managing Committee for these past years, I have watched with pride and admiration the progress of the Athlone Fellows and I believe that with each successive year the value of the scheme becomes of even greater significance.

At a time when there are factions in many parts of the world which are wont to criticise the very basis of our Commonwealth structure, I believe that the Athlone Fellows play an immensely important role in strengthening the ties between our two countries by being ambassadors of Canada when in the United Kingdom and invariably returning to Canada as ambassadors of Britain. The very quality of the Fellows whom I have met, and I believe I have now met all those here, convinces me that I am right in my judgement.

In March of this year, I attended the Conference for the 1961 and 1962 Fellows. This Conference was opened by the President of the Board of Trade and I should like to say how honoured we were that he was able to find the time to attend and to act as host at the cocktail party which terminated the proceedings.

This year has seen the beginning of a new selection system for Group A candidates for whom previously, selection was based on a university quota system. The new system, based on a national order of merit, ensures that candidates are selected on their own merit regardless of geographical location. I am sure this is a great improvement as it means a fairer selection which can only be to the benefit of the scheme as a whole, and to the individual personally.

A handwritten signature in dark ink, reading "Julian Pode". The signature is written in a cursive, flowing style with a large initial 'J' and a long, sweeping underline.

8th November 1962

NEWS LETTER NO. 7

The Managing Committee of the Athlone Fellowships Scheme have pleasure in issuing this News Letter to Fellows past and present, and to all those interested in the Scheme in the United Kingdom and in Canada.

Reports by Fellows and by their industrial supervisors and university tutors continue to indicate that the Scheme is working satisfactorily and that current Fellows are well maintaining the high standard set by their predecessors. The universities and the increasing number of United Kingdom establishments which have accepted Fellows for training maintain their interest in the Scheme and are giving it every assistance. To these the Managing Committee send their sincere thanks and appreciation.

The Managing Committee also wish to express gratitude to all friends in Canadian universities, engineering industries, and in the offices of the British High Commissioner and the Senior British Trade Commissioner to whose continued enthusiasm and co-operation the Scheme is indebted.

The 12th group of Fellows arrived on the 13th September 1962, bringing the total number of awards to date to 456. The following table shows the relative distribution of training programmes since the Scheme started in 1951:

	<u>Two years industry or industrial consultants</u>	<u>Two years university College or research establishment</u>	<u>Mixed Course</u>	<u>Total</u>
1951	8	21	9	38
1952	4	18	13	35
1953	16	11	10	37
1954	10	10	16	36
1955	8	12	17	37
1956	1	21	16	38
1957	2	28	6	36
1958	-	20	18	38
1959	-	27	14	41
1960	1	27	12	40
1961	1	29	10	40
1962	-	19	21	40
	<hr/> 51 <hr/>	<hr/> 243 <hr/>	<hr/> 162 <hr/>	<hr/> 456 <hr/>

So far, Fellows have chosen postgraduate work and practical experience in the United Kingdom in the following branches of engineering:

Mechanical	109	Metalliferous mining	2
Aeronautical	33	Petroleum technology	2
Electrical	105	Physical chemistry	4
Civil	93	Nuclear physics	7
Chemical	38	Nuclear chemistry	1
Physics	3	Nuclear power	26
Forestry	1	Environmental (development)	1
Metallurgy	29	Geophysics	2

Of the 1960 Fellows who have completed their Fellowships and were due to return to Canada in 1962, 15 have remained in the United Kingdom under other arrangements to complete work for a higher degree, and one to gain further experience with the firm of electrical engineers with which he was placed.

Athlone Fellowships Conference

The third biennial conference was held in London on the 22nd March 1962 for the 1960 and 1961 Fellows. It was opened by the Rt. Hon. Frederick Erroll, M.P., President of the Board of Trade; Sir Douglas Logan, vice-chairman of the Managing Committee, presiding.

In welcoming the Fellows, the President said he had no qualms in mentioning that the mere fact the Board of Trade were responsible for the Athlone Scheme suggested that the Fellowships were not entirely the outcome of philanthropy. It was hoped that Fellows would reach top places in Canadian engineering and if during their careers they occasionally remembered something of what they had seen of United Kingdom scientific and technical achievements, it would be considered that the Athlone Scheme was well worth while. The aim was to assist Fellows to prepare for their future careers and to see something of Britain and her engineering industries in the process. The object of the conference was to hear how the Fellowships worked out individually as a guide to the future running of the Scheme.

In his concluding remarks, the President welcomed the formation of Athlone Associations in Canada and hoped that future gatherings of top engineers in Canada would show a marked percentage of Athlone Fellows.

Fellows then dispersed into four separate groups under the chairmanship of officials from the Board of Trade, Ministry of Education, and the Commonwealth Relations Office to discuss the Athlone Fellowships in relation to the needs of Canadian industry, with particular reference to industrial, university and other experience in the United Kingdom, and the general conditions of the Awards.

The consolidated views of all four groups were presented at a final plenary session under the chairmanship of Sir Julian Pote, J.P., chairman of the Managing Committee; the group spokesmen being William R. Tucker (McGill), Roger N. Stone (British Columbia), Donald R. Woods (Queen's) and Seaforth M. Lyle (McGill). Many useful suggestions emerged, and it was considered by the Fellows, Government officials and members of the Managing Committee who had been in attendance that the conference had again been extremely worth while.

The proceedings of the day concluded with a cocktail party at which the Rt. Hon. Frederick Erroll, M.P., President of the Board of Trade, was the host.

Athlone Fellows Association

The Athlone Fellows Associations in Quebec and Ontario continue to flourish and it is hoped that as more Fellows return to the various Provinces it will be possible for additional Branches of the Association to be formed throughout Canada. The founder chairman of the Quebec Branch, Jim Dooley, has had to relinquish the post on moving to Toronto to undertake further work for a higher degree at the university there. The formation and running of the Quebec Branch were largely due to his enthusiasm and drive and his efforts are greatly appreciated by those concerned here and in Canada, all of whom join in wishing him every success in his new sphere. He has been succeeded as chairman by Real Arsenault, a 1953 Fellow from Ecole Polytechnique who is with Surveyor, Nenniger & Chenevert of Montreal. In order to foster the formation of a national association in Canada, it has been suggested that the style "Quebec Athlone Fellows Association" should be changed to "Athlone Fellows Association - Montreal Branch."

The Ontario Branch continues under the chairmanship of Dr. R. W. Missen, Associate Professor of Chemical Engineering at the University of Toronto, and who has kindly submitted a special report elsewhere in this issue. They held a re-union dinner on the occasion of the Adviser's visit to Toronto in November 1962 as part of his selection tour for the 1963 Awards and an account of this festive occasion also appears in the following pages.

The Managing Committee regret that contributions to the News Letter remain limited and will welcome notes from past and present Fellows about their experiences in the United Kingdom and are particularly anxious to hear from past Fellows of their careers in Canada, progress in their employment and any incidents or items which would be of interest to other Fellows and recipients of the Letter both in the United Kingdom and Canada. They would also welcome items for the Letter from universities and employing organisations both in the United Kingdom and in Canada on any matter which would be of interest to those connected with the Scheme, and particularly any constructive suggestions for its improvement.

The Managing Committee are also anxious to receive from all past Fellows, information to keep records up-to-date. They will therefore be pleased if Fellows will complete the tear-off slip on page 15 and send it to the Secretary, Athlone Fellowships Managing Committee, Board of Trade, Horse Guards Avenue, Whitehall, London S.W.1.

PAST FELLOWS MAY ALSO WRITE OR TELEPHONE CHANGES OF ADDRESS TO ANY OFFICE OF THE BRITISH TRADE COMMISSIONER IN CANADA, VIZ:

OTTAWA	56, Sparks Street. Central 34085
MONTREAL	635, Dorchester Boulevard West. University 6-3381
TORONTO	119, Adelaide Street West. Empire 2-1223
VANCOUVER	Bank of Nova Scotia Bldg., 602, W. Hastings Street. Vancouver 681-8381
WINNIPEG	4th Floor, 333, Broadway Avenue. WH. 23153-4
REGINA	Room 207, Derrick Bldg., 2431, 11th Avenue, Lakeside 7-6459
EDMONTON	Imperial Bank Building, Jasper Avenue. Garden 4-0481
ATLANTIC PROVINCES	5425, Spring Garden Road, Halifax, N.S. Halifax 2-7488

Selection Tour for the 1962 Awards

by F. E. A. Manning, C.B.E.
(Athlone Fellowships Adviser)

My first selection tour was made from October to December 1961 and it was my first visit to Canada. The opportunity of seeing so much of that vast country in a mere seven weeks must be available to few and I thoroughly enjoyed the trip. It was, however, no holiday journey, for there was an all-time record in the number of candidates seen - 127 for 31 awards in the A group and 59 for 10 awards in the B group, a total of 186 against the previous highest total of 141. Under a revised procedure the group A awards were not made on a university quota system, but by an overall selection at the end of the tour, as has always been done for group B. This necessitated maintenance of comprehensive notes and records throughout the tour in order to ensure not only consistent judgment over a long period but also scrupulous fairness at the selection stage. Awards went to candidates from 16 universities against 14 in 1961; graduates from McMaster and Waterloo being awarded Fellowships for the first time.

Thirty-nine 1962 Fellows arrived in England on 13th September and one is to come in January 1963, so that we are one short on our expected total. One group A candidate did not accept the offer made to him, but he was quickly replaced from our reserve list. Another in this group had to retire shortly before sailing because of illness and it was too late to replace him. A married group B successful candidate, had to withdraw at a very late date, but we were fortunately able to replace him also.

The spread of interests was as wide as ever. Taking the 80 Fellows in the 1961 and 1962 groups, we have 59 studying in 14 U.K. Universities and 21 in industry. Everyone is doing what he wants to do, and in most cases in the place first chosen by him. Three 1962 Fellows changed their intentions between interview and acceptance of the award, but it was possible to comply with their new wishes. In future, the letter of award will state the type of training for which the award is offered and this seems to me only fair, for in a national selection some account, even if only slight, must be taken of the suitability of the programme chosen.

I was disappointed at being taken ill just before the 1962 Fellows arrived and at being unable to see them all together during their time at the British Council. Some I have already met and I hope to see most of the others in 1963. I am always glad to see Fellows at the Board of Trade office but they should make an appointment to ensure that I am in when they call. I hope to be able to travel extensively in the New Year and to see many individuals in the provincial centres.

I was most impressed with Canada as a whole and it is clearly a land of great opportunity for engineers. The rapid development of the universities, particularly the new ones, filled me with wonder and with envy. To see four halls of residence, each for 250 students, being built simultaneously with several faculty buildings, as at Sherbrooke, is nothing short of miraculous to one interested in the universities of the United Kingdom. This type of expansion is going on all over Canada though, as in England, the newer and smaller universities seem to be getting more capital grants than the older and larger foundations. It was encouraging to find that all Engineering Departments in Canada seem to have one former Athlone Fellow or more on the staff, going as high as Dean of Engineering in one case. It was also delightful to see the enthusiasm for the Athlone Fellowship scheme shown by former Fellows at the re-unions arranged in all the towns I visited. I hope that more Athlone Fellows Associations will be formed to keep alive old friendships, to revive old memories, and in particular to offer advice and assistance to new Fellows and their wives before they leave Canada.

F. E. A. Manning

Ontario Athlone Association

An Association of Athlone Fellows living in Ontario has been formed during the past year. An organizing meeting was held in Toronto on February 24th following the dispatch of letters on January 18th to those Fellows believed to be in Ontario. Unfortunately a blizzard occurred on the morning of the meeting, preventing a number of people coming from out of town who had indicated they would be present. Only eleven local (Toronto) Fellows made it through the snow, but the organization proceeded and an executive was appointed consisting of:

Chairman	R. W. Missen, A53
Vice-Chairman	F. A. DeLory, A53
Social Convener	D. L. S. Bate, A54
Secretary-Treasurer	P. J. Waugh, A51

This executive has been presumptuous enough to act as a central organizing committee for the province as a whole, as well as a local committee for activities in the Toronto area. With regard to the former, one of the jobs is to contact Fellows throughout the province and maintain an up-to-date mailing list.

An information sheet was sent to each of about 100 Fellows on April 10th, and a follow-up request on July 31st to those who had not returned it by then. So far (October 31 1962) we have received 64 replies and have 50 paid-up members (\$2 annual (?) fee). We would be glad to hear from any Fellows in Ontario with whom we have not been in contact, particularly those who returned during 1962 and who will be returning in 1963 (contact R. W. Missen, Chem. Eng. Dep., University of Toronto, Toronto 5).

At present the Association has two purposes - (1) to provide occasional social contact among Fellows in Ontario and (2) to provide advice about the Fellowship and conditions in the United Kingdom to candidates for the Fellowship. The former will have to be conducted for the most part on a local level, but we have sent notices about the first dinner meeting in Toronto to all Fellows in the province, in the event that some of those outside the Toronto area will be able to come.

Activities during 1962

(1) Social - David Bate has been responsible for organizing two affairs viz. a cocktail party on March 30th for successful 1962 Fellows in the Toronto and Hamilton areas; 13 members (plus their wives) were present and four new Fellows; and a dinner at the Faculty Club on November 20th at which Mr. F. E. A. Manning, the present Adviser, was the main speaker.

(2) Service - Fred DeLory has compiled lists of Fellows in the various areas using the returned information sheets, and has sent these to the Deans of the Engineering Faculties in Ontario at which interviews will take place. We shall be interested to find out to what extent the Fellows are called upon to give advice.

(3) Financial - Peter Waugh reports as follows:

Total receipts	\$126.00
Expenses	51.61
	<hr/>
Balance (October 31 1962)	\$74.39

R. W. Missen,
Chairman

Ontario Athlone Association Dinner Meeting

The first annual dinner meeting was held on November 20th, 1962 at the Faculty Club of the University of Toronto. There were 26 Fellows present and 4 guests including the Adviser, Mr. F. E. A. Manning. As expected the Fellows present were mostly from Toronto, but there were 3 from Niagara Falls, Hamilton and Walkerton. Also present was Jim Dooley who organized the Association in Quebec, and who has recently come to Toronto. He gave a short account of the activities and organization in Montreal.

The main talk was given by Mr. Manning who reviewed the present status of the Scheme. Among other things, he pointed out the relatively large variation from year to year in the number of candidates at some of the centres. The prime example this year was at Queen's where only 2 candidates presented themselves, compared with about 10 last year; under the old quota system whereby Queen's had 3 places this would have presented a problem. He also mentioned the increase in the number of institutions participating; originally (1951) there were 11 but this year there are 18 and next year there will probably be 19. The total number of candidates is now about 180, and the cross-country interviewing takes 8 weeks. Although he had pointed out the yearly variation in numbers of candidates at some centres, he emphasized he was not complaining about the number of candidates in general. Over the years there had apparently been not much change in emphasis with regard to university vs industrial work, and he did not think this would pose any problems in the future. However, he thought that there had been too much emphasis on going to Imperial College, which is particularly evident at present because the College is undergoing a rebuilding programme which involves a temporary strain on facilities. He implied he would like to see a better distribution of Fellows among British Universities.

Discussion from the floor came mainly from newly returned Fellows and centred on the general lack of knowledge about the Athlone Fellowships on the part of the graduating classes. Steps will be taken to correct this next year at Toronto.

R. W. MISSEN, CHAIRMAN

POST-GRADUATE STUDY IN CANADA AND IN THE UNITED KINGDOM

by S. M. LYLE

(Seaforth MacCullum Lyle is a 1960 Group "A" Fellow from McGill University, Montreal. He spent his Fellowship on research into automatic controls at The Imperial College of Science & Technology where he became the first oversea student to be elected President of the College Union.)

One subject that often arose in conversations I had with other Canadians in England was the difference between post-graduate studies in Canada and the United Kingdom.

When Mr. Palmby suggested that this subject might make a worthwhile topic for this News Letter I immediately agreed. To acquire a general background, I approached Fellows and friends who have studied at different colleges and universities in both Canada and Great Britain.

It is well-known that the post-graduate systems of these two countries differ. The general Canadian scheme for a Master's Degree consists of a mixture of course and research work, whereas English universities require only the latter. A Ph. D. in Canada usually involves a student in language examinations and further technical courses after his Master's Degree; in England a more elaborate project is the essence of a Ph. D. The fact that course work is not part of a higher degree in England does not mean that courses are not given. To the contrary, they are, and usually with an air of confidence not found as often as it should in Canadian universities. Courses in English universities are administered differently in that there is no registration for a particular course and no examination. The attendance at these courses is usually fairly consistent and since the courses are not terminated by examinations, classes do not suffer from examination fall out and the resulting decrease in questions and discussions. So in general this part of the English research system is more advantageous than the Canadian because it allows the student to vary courses at his will. It is possible for him to go to a series of lectures at any time which will assist him on his project or fill in background he suddenly feels he requires. The fact that he does not have to worry about examinations permits this freedom of selection, and nearly all students take advantage of this arrangement. It also encourages students to attend or organise seminar sessions on a scale both in quality and quantity not usually attempted by Canadian university students, who are involved in completing their courses by examination.

Just as course arrangements are different, so is the approach to students' research projects. Research systems in English colleges and universities leave much to be desired. Naturally exceptions do exist, but in general the English system relies very heavily on personal relationships between students and research supervisors. There is very little chance that other members of staff will take an interest in students working in other sections of the same department, and other staff members do not encourage or assist students not assigned to them. Thus Departments tend to become sectionalized with very little communication, either academic or social, amongst their sections. If the professor or research supervisor of one of the sections is a very busy person, or possibly just hard to get along with, the students in that section have very little hope of receiving much assistance on their project from any source.

Dependency on close co-operation between the student and his supervisor is not as predominant in Canada due to, among other reasons, the standardizing influence of graduate faculties and better departmental communication. The English scheme usually does not embody such administrative arrangements so research can easily be hindered by poor student-supervisor relationships.

It is this tendency to sectionalization that the Canadian encounters to a marked degree in Great Britain. The individual Englishman seeks privacy in his everyday life and this, unfortunately, shows in university and college laboratories. Equipment which in some colleges is in limited supply at best is made more difficult to obtain because of the insistence of staffs to lock it away without distributing keys to post-graduate students. This fault is amplified by the tendency of students and colleges to make research just a 9 a.m. to 5 p.m. proposition and to operate other facilities in a manner that makes progress in a project unnecessarily slow.

Thus research work becomes only what a student can make of it. It can be excellent training for learning how to use one's own initiative but extremely frustrating when it is obvious that the irrational mannerisms of some staff members can greatly affect the rate of progress and usefulness of a project.

To discuss the many differences between post-graduate studies in Canada and Great Britain completely and to explain their resulting implications to the student would take many more pages than there is space for in this book. The comments above are of a general nature but I feel they summarize situations as they exist in universities and colleges in the two countries.

S. M. Lyle

STEREOTYPES AND IMPRESSIONS

by DIANE AND DONALD WOODS

(Donald Robert Woods is a 1961 Group A Fellow from Queen's University, Kingston, Ontario. He obtained his Doctorate in chemical engineering at the University of Wisconsin in 1961. He is spending the first 16 months of his Fellowship with Distillers, Ltd., on petrochemicals in Hull and plastics in Barry, South Wales. The final 8 months will be spent on chemical processes with Unilever, Ltd., at Port Sunlight. His wife, Diane, is a graduate of the University of California, 1959 and obtained her Master's degree in foods and nutrition from the University of Wisconsin. She held a teaching post in Hull and has an office appointment with Distillers, Ltd., in South Wales)

As newcomers to a strange country, we had many stereotypes and preconceived notions of what we would find in Great Britain. Here are some of them together with the impressions we have after living here for a year.

An Englishman was a chap with a bowler, umbrella, vest (waistcoat) and all; his vocabulary included "chaps", "pip pip" and "bloody". He was impeccably dressed and aloof, was never excited and was an example of politeness. We found that the man from The City dressed this way, but the language usage was out of character. "Bloody" is not used in polite, genteel company. We've not seen a bowler worn outside of London. The standard of attire, nevertheless, was high in England: white shirt and tie were worn when we would have thought sport shirt and slacks appropriate; suitcoats, when windbreakers would have been the Canadian attire. Paradoxically, there was no uniformity of dress among the members of a touring symphony orchestra as we would expect to see at home. The people of South Wales, whom we have met, are more casual in their dress than the English seem to be.

On the subject of speech, three things caught our attention: the wide variety of accent that varies from region to region, the preciseness of word usage and the quiet tones in which people converse. An Englishman rarely rambles and shuns hackneyed expressions and meaningless cliches. The North American chatters loudly compared to a Britisher. For example, we noticed, while waiting for a parade in London, that although all of the gathered people were talking nothing more than a whisper reached us.

Did the English match the stereotype we had of politeness? Yes and no. It was common for a man to get up from the table in a restaurant, head for the door and leave his wife to fend for herself.

We heard before we came of the conservative, not easily excited people. We heard of tradition, pride and efficiency. We heard of a country that was "between 5 and 10 years behind the times": no refrigerators, no central heating since the Romans, gas lights, etc. The image of the aloof, reserved Englishman was modified to include the excited crowd watching a Wigan - Hull Kingston Rovers rugby match or some most memorable evenings playing party games and singing. The overt expressions of love that are such a common sight along the streets or in the parks do not convey a consistent picture of conservative aloof young people. Tradition and behind the times? The stone, hundredweight and long ton seem confusing carry overs from an era past, yet, paradoxically, the British thermal unit has given way to the centigrade pound unit, and degrees Fahrenheit to degrees centigrade. The carpenter-undertaker combination of occupations and the hand rung church bells would point to bygone years. Few refrigerators, the luxury of central heating and of owning a car might further point to a nation that is "behind the times". Some of these things can be explained. It was not until we sampled the weather that we saw that it was just cold enough to wish we had central heating to take the edge off but not really cold enough to justify it. It was just cool enough in the summer to get by without the expense of refrigeration. Night city driving with only parking lights appeared old fashioned, but

night lights on parked cars are of great help in thick peasoup fog. While there may be a strong hesitancy to accept the latest gimmicks, the impression that the nation is "5 to 10 years behind the times" does not seem to be correct.

The weather was wetter than we expected: so variable in a very short period of time, with damp and frequent drizzles. The moderateness of the climate temperature-wise helped to clarify the lack of central heating, of refrigerators, and the schoolboys in short pants the year round. While we missed hot summers and zero Canadian winters, there was the redeeming feature of year round greenness of the country, the lush gardens, the November roses.

We had forgotten how much Britain suffered during the war. The bomb rubble in London, Hull, Coventry or Exeter; the concrete tank traps and block houses along the coast; the stories of air raids and of the complete removal of every signpost or means of identification across the country were grim reminders.

Concerning the country itself, we expected, of course, the scale to be smaller than in Canada. However, the smaller scale was deceiving for although there were short distances between populated areas, the country seems larger than we expected because of the difficulty in driving 250 miles in one day as compared with the 500 miles we could cover in Canada. We were pleasantly surprised by the variety of countryside there is in these compact Islands. This compactness of the country did show itself through the utilization of every piece of land, the wise specification of green belt areas, the search for privacy using high walls and hedges.

The general pace of life is slightly more leisurely than we had imagined. Beginning the work day at 9 a.m., fewer stores and shops open in the evening or on Sunday, few lorries on the road at night, the inability to get away from a hotel in the morning much before 8.30 because breakfast is not served until 8 - many small things gave us an impression of a more relaxed way of life than in Canada.

Three strong images of England were implanted in us: "bobbies", pubs and the Englishman and his dog. How did these three images compare with experience? The "bobbies" were well-informed gentlemen, held in high esteem by young and old alike and able to carry out their assignments unarmed. The pubs play an important part in the community life. A night out at the pub for you and the Mrs. is not only respectable, but it is quite the thing to do. The pub atmosphere cannot be adequately described because each is a world unto itself. Animals play a much more important part in the Englishman's life than we found in Canada. The dog, especially, is in many cases part of the family. We saw him, for example, riding in the front seat of the car while the women were relegated to the back seat. Besides the dog, other animals and sports are close to the hearts of many that we met: beagling, horse racing and greyhound racing, horseback riding, and point to point racing.

Concerning education we expected to find an excellent training in fundamentals given to well-behaved, polite students. While the fundamentals are stressed, the mastery of them did not live up to expectation. The polite well-behaved students presented discipline problems comparable to what one would expect in Canada. Nevertheless, full use was made of available facilities. School organized trips took children travelling where they might not have gone if they had to depend upon the family. Oftentimes we shared a museum showcase with a little boy with a questionnaire in his hand. High calibre educational books for children are available at pittances compared to their North American counterparts, and first rate magazines come monthly or weekly. High schools students often make field trips to special camps for a fortnight of intensive study of a subject such as botany or geography.

We had heard before we came that the general populace was well up on things, and that one could have a stimulating discussion with the dustman. While we have not talked to many dustmen, we did find that the general populace was knowledgeable on a wide variety of topics. This might account for our discovery that the art of conversation certainly is not lost here. At many of the parties we attended anticipating an evening of dancing, we found small groups would form and the evening was dominated by conversation.

Our stereotype of the British newspapers was incorrect. We expected quality with extensive coverage of Commonwealth and Canadian news. While there were about a half dozen high quality papers, the coverage of Commonwealth activities fell below anticipation. The BBC radio programs were much better than we had imagined: the wide variety from Network Three to the Light, the Promenade Concerts, the "Brush Up" or "Teach Yourself" Courses, the plays and discussions. Amazed and disappointed were we at the number and quality of the North American TV programmes that find their way over here. We expected something other than "Bonanza" and "Hawaiian Eye".

In the nationalization of telephones, railways and health service we found both advantages and disadvantages. The corporation owned telephones of Hull operated at one half the cost of the national system and offered such extras as a direct line to Father Christmas in the festive season and homemaking advice. The reluctance of British Railway clerks to give us the cost of rail shipment, the rudeness of a London ticket clerk, the shocking condition of a wooden crate when it arrived in Hull, - all gave us the impression that the BR do not care if the customer is satisfied or not. Nevertheless, the transportation system is extensive, runs fairly smoothly and on time. The National Health Service had its moments of greatness and mostly its periods of rejection in our minds. Great is the advantage of no direct charge for medical services, the amazingly low costs of dentists and opticians, the minimal cost of prescriptions to say nothing of the hospitalization savings. But how can one adjust to the "so you're sick, what's new?" attitude prevalent in one hospital we saw? The attitude of some of the doctors and the sisters, the lack of ward discipline and the lack of what we sometimes jokingly refer to as "tender loving care" were a shock to us and made us hope that what we saw was not prevalent in other hospitals.

The quality and efficiency of the civil service officials with whom we have come in contact has been very high and made us hope that Canada is as fortunate in this respect.

The stereotypes that we found the British people had of North America were very dominated by TV and movies. Most shocking was the conviction that everyone at home either lives in the cocktail-party-new-flashy-car whirlwind or else may be roaming the range. There is the definite opinion that North American cars fall apart after one year of service. This feeling of poor quality of automobiles has been applied to many other products. A concern that women's fashions are not as up to date here as in North America was often voiced. Time and time again reference was made to the fast pace of life that exists there- ulcers, doing business over sandwich lunches in offices, etc.

In retrospect, our present opinions and impressions of Britain are for the most part different from those that we held before we came. While these impressions are strongly influenced by the areas seen and the people we met, nevertheless, they come from having lived in the country. This has enabled us in some small way to look at life through British eyes instead of as hurried tourists who usually return home with their preconceived stereotypes substantiated. Living here has helped us to establish the sources of our stereotypes and those held by the British, and it has brought home to us the important part which radio, movies, newspaper advertisements and television play in establishing stereotypes of foreign peoples and lands.

D. & D. WOODS.

ATHLONE FELLOWSHIPS

NEWS LETTER No. 8

JANUARY 1964

THE ATHLONE FELLOWSHIPS

NEWS LETTER No. 8

January 1964

With the compliments of the Secretary to the Managing Committee

Board of Trade
Horse Guards Avenue
Whitehall
London S.W.1

N.B. The Board of Trade will be moving to their new offices at
1 Victoria Street, London, S.W.1 (near Westminster Abbey)
by the end of January, 1964.

THE ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Sir Julian Pode, J.P. (Chairman)
Sir Douglas Logan, D.C.L., LL.D. (Vice Chairman)
G. S. Bosworth, Esq., M.A., M.I.Mech.E., M.I.E.E.
(British Electrical & Allied Manufacturers' Association)
E. W. D. Negus, Esq. (Scottish Engineering Interests)
F. E. Prior, Esq., M.I.C.E. (Federation of Civil Engineering Contractors)
D. D. Walker, Esq., M.A., M.I.E.E. (British Engineers' Association)
Professor H. E. M. Barlow, B.Sc., Ph.D., M.I.E.E., M.I.Mech.Ed., F.R.S.
(Pender Professor of Electrical Engineering, University College, London)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., M.I.E.E., F.R.S.E.
(Professor of Electrical Engineering, University of St. Andrews)
Professor S. C. Redshaw, D.Sc., Ph.D., M.I.C.E.
(Professor of Civil Engineering, University of Birmingham)
Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C.
(Professor of Chemical Technology, Imperial College of Science & Technology, London)
G. H. Doughty, Esq. (Trades Union Congress)
Captain B. E. W. Logan, R.N. (Retd.) (Federation of British Industries)
J. F. C. Springford, Esq. (The British Council)
H. F. Heinemann, Esq. (Board of Trade)
Miss S. M. E. Goodfellow (Ministry of Education)
A. H. Reed, Esq. (Commonwealth Relations Office)
J. A. M. Mitchell, Esq., C.V.O., M.C. (Scottish Education Department)
F. E. A. Manning, Esq., C.B.E., M.C., T.D., B.Sc. (Eng.), M.I.Mech.E., M.I.E.E.,
M.I.Nuc.E. (Adviser)
J. F. Palmby, Esq. (Secretary)

The Athlone Fellowships News Letter No. 8

FOREWORD BY SIR JULIAN PODE, J.P. (Chairman of the Managing Committee in the United Kingdom)

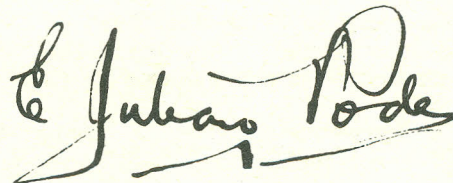
For the fifth successive year, I deem it a privilege and a pleasure to contribute this foreword to the Athlone News Letter.

The past year has seen an easing of international tension. As fear recedes, mankind must look anew at the natural resources at his disposal in the light of scientific discoveries to ensure that they are utilised towards the elimination of want, hunger, and other sources of strife between the nations of the world. In all this, engineering in its many forms can, if rightly used, play a major role in the furtherance of world peace. I like to think that, in providing wider experience for engineers, the Athlone Fellowship scheme is also making some contribution towards this objective.

Since I have been Chairman of the Managing Committee, I have seen three separate groups (1959, 1960 and 1961) through to the end of their Fellowships. Not only have I watched their progress in industry and at universities with pride and admiration, but from my personal contacts with them I am convinced that they have returned to Canada with a feeling that their lives have been considerably enriched by their experiences here and with greater understanding of, and closer ties with, Britain.

The abolition of the old quota system and the awarding of Fellowships on a national order of merit to candidates from eighteen different Canadian universities has made competition substantially keener and I know that successful candidates enjoy an even greater sense of justifiable pride.

I look forward to renewing contact with the 1962 and 1963 Fellows at the next biennial conference which is to be held in London on the 24th March, 1964.

A handwritten signature in black ink, reading "Julian Pode". The signature is written in a cursive style with a large, stylized initial "J" and a long horizontal stroke extending to the right.

Dr. WILLIAM ABBOTT, C.M.G., O.B.E.

It is with deep regret that we report the death of Dr. William Abbott, C.M.G., O.B.E., on 19th October, 1963, at the age of 72.

Dr. Abbott was the original Athlone Fellowships Adviser from 1951 to 1954 and Fellows of that period will recall his profound interest and energy in getting the Scheme off to a good start. To the excellent foundations which he initiated in the early years, the Scheme owes much of its subsequent and current success.

NEWS LETTER NO. 8

The Managing Committee of the Athlone Fellowships Scheme have pleasure in issuing this News Letter to Fellows past and present, and to all those interested in the Scheme in the United Kingdom and in Canada.

Reports by Fellows and by industrial supervisors and university tutors continue to show that current Fellows are well maintaining the high standard set by their predecessors. The universities and the increasing number of United Kingdom establishments which have accepted Fellows for training maintain their interest in the Scheme and are giving it every assistance. To these the Managing Committee send their sincere thanks and appreciation.

The Managing Committee also wish to express gratitude to all friends in Canadian universities, engineering industries, and in the offices of the British High Commissioner and the Senior British Trade Commissioner to whose continued enthusiasm and co-operation the Scheme is greatly indebted.

The 13th group of Fellows arrived on the 13th September 1963, bringing the total number of awards to date to 498. The following table shows the relative distribution of training programmes since the scheme started in 1951:

	<u>Two years industry or industrial consultants</u>	<u>Two years university college or research establishment</u>	<u>Mixed Course</u>	<u>One year only</u>	<u>Total</u>
1951	8	21	9		38
1952	4	18	13		35
1953	16	11	10		37
1954	10	10	16		36
1955	8	12	17		37
1956	1	21	16		38
1957	2	28	6		36
1958	-	20	18		38
1959	-	27	14		41
1960	1	27	12		40
1961	1	29	10		40
1962	-	21	18	1 U	40
1963	2	18	21	1 U	42
	<u>53</u>	<u>263</u>	<u>180</u>	<u>2</u>	<u>498</u>

Of the 1961 Fellows who have completed their Fellowships and were due to return to Canada in 1963, 17 have remained in the United Kingdom under other arrangements to complete work for a higher degree. During recent years, an increasing number of Athlone Fellows have remained in Britain after the termination of their Fellowships in order to take higher degrees. The National Research Council of Canada have given generous financial support in the past to enable this to be done; so much so in fact, that such support has come to be regarded as more or less automatic by Athlone Fellows. The National Research Council have now warned that they are adopting a more stringent policy under which it may be more difficult for Athlones to obtain N.R.C. scholarships at the end of their Fellowships. Of the seventeen 1961 Fellows in this category, ten obtained N.R.C. scholarships.

Athlone Fellowships Conference

The 4th biennial conference, for the 1962 and 1963 Fellows, will be held in London on Tuesday, the 24th March 1964 when it is hoped that the occasion will prove as stimulating and valuable as were the three previous conferences.

Current conditions in Britain

1961 Fellow, Donald Woods and his wife Diane, who returned to Canada in November 1963, have kindly offered to advise new Fellows and/or their wives about current conditions in Britain. They had a wide experience here, having been located in Yorkshire, South Wales and Lancashire; he with chemical engineering firms for the whole of his Fellowship and his wife in teaching and commercial work during that time. His work brought him into contact with a number of universities and technical colleges and he attended several technical conferences sponsored by the Institution of Chemical Engineers. They also travelled extensively and thus have had first-hand experience of many areas of Britain. They may be contacted at 6, Shirley Street, Dundas, Ontario, or:

Dr. & Mrs. D. R. Woods,
c/o Department of Chemical Engineering,
McMaster University,
Hamilton,
Ontario,

where he has been appointed an Assistant Professor.

Mrs. T. A. Nordstrom, who returned to Canada in November, 1961, has also very kindly offered to give wives of successful candidates the benefit of her experience in Britain where she lived in Birmingham and London, her husband having been engaged on a mixed industrial/university programme in electrical engineering. Her address is:

Mrs. T. A. Nordstrom,
557, West 17th Avenue,
Vancouver 9. Telephone - TR4-2462.

Athlone Fellows Association

The Athlone Fellows Associations in Montreal and Ontario continue to flourish and a third branch has been founded in Manitoba where, during a recent reception, generously sponsored by the British Trade Commission in Winnipeg, the Athlone Fellows present decided to form a rather informal association. One of the main functions of the group is to provide information and assistance to any Athlone Fellow before departing for Great Britain, or about to return home. Another objective is to hold more frequent social functions and thus strengthen the bonds of friendship developed in the past. Rudolf H. Schilling volunteered

to act as the co-ordinator for the first year, his address being Ste 15, 1234, Pembina Highway, Winnipeg, 19. He may also be contacted at the Department of Mechanical Engineering at the University of Manitoba.

Plans were under way to hold either a golf tournament or a duck shoot during the fall.

The Ontario branch continued under the chairmanship of Dr. R. W. Missen, Associate Professor of Chemical Engineering at the University of Toronto, who has again kindly submitted a report on the branch's current activities elsewhere in this issue.

The chairman of the Montreal branch is Réal Arsenault, who is with Surveyor, Nenninger and Chenevert of Montreal. They held their annual general meeting and social evening in November during the Adviser's visit to Montreal as part of his selection tour for the 1964 awards.

The Managing Committee are grateful for the current contributions to the News Letter but would like to see more notes from present Fellows about their experiences in the United Kingdom. They are also particularly anxious to hear from past Fellows about their careers in Canada, progress in their employment and any incidents or items which would be of interest to other Fellows and recipients of the Letter, both in the United Kingdom and in Canada. In addition, they would welcome items for the Letter from universities and employing organisations both in the United Kingdom and in Canada on any matter which would be of interest to those connected with the Scheme, and particularly for any constructive suggestions for its improvement.

The Managing Committee are also anxious to receive from all past Fellows, information to keep records up to date. They will therefore be pleased if Fellows who have any change to report will complete the tear-off slip on page 21 and send it to the Secretary, Athlone Fellowships Managing Committee, Board of Trade, 1 Victoria Street, London, S.W.1.

PAST FELLOWS MAY ALSO WRITE OR TELEPHONE CHANGES OF ADDRESS TO ANY OFFICE OF THE BRITISH TRADE COMMISSIONER IN CANADA, VIZ:

OTTAWA	56, Sparks Street. Central 34085
MONTREAL	635, Dorchester Boulevard West. 866-5863
TORONTO	119, Adelaide Street West. Empire 2-1223
VANCOUVER	Bank of Nova Scotia Bldg., 602, W. Hastings Street. Vancouver 681-8381
WINNIPEG	4th Floor, 333, Broadway Avenue. WH. 23153-4
REGINA	Room 207, Derrick Bldg., 2431, 11th Avenue, Lakeside 7-6459
EDMONTON	Suite 600, Bank of Montreal Building, Jasper Avenue. 424-0481
ATLANTIC PROVINCES	5425, Spring Garden Road, Halifax, N.S. Halifax 422-7488-9

-----000-----

SPECIAL NOTE

As readers will probably know, the new Ministry of Defence is due to occupy the Horse Guards Avenue building early in 1964 and the Board of Trade will accordingly be moving to new headquarters at 1, Victoria Street, London, S.W.1 (Telephone Abbey 7877) by the end of January, 1964, from where the Athlone Fellowships will be administered in future.

Selection Tour for the 1963 Awards

by F. E. A. Manning, C.B.E.
(Athlone Fellowships Adviser)

Each year sees an increase in the number of Canadian Universities wishing to participate in the Athlone Fellowship Scheme and in 1962 there were Interview Boards at 18 Universities or Colleges, the newcomer being the Royal Military College where 5 candidates were seen. A visit was paid to Essex College of Assumption University, Windsor, in anticipation of candidates presenting themselves from the University of Windsor, as it is now called. My tour was, as ever, most enjoyable and lasted just eight weeks, so I had time to look around and see developments in universities and also to visit some interesting firms and other establishments. Absorbing the general atmosphere and getting to know the minds of people in many different parts of the country is extremely valuable to the Adviser in his task of comparing candidates on a country-wide basis.

This was the second tour since the quota system had been abolished for Group A candidates and now the candidates considered best qualified in the country as a whole are selected, just as has always been the practice with Group B candidates. The number interviewed in 1962 was 150, made up of 113 in Group A and 37 in Group B. This was an appreciable decrease on the previous tour when 186 candidates were seen, 127 A and 59 B, but I was not at all disappointed, for a certain amount of elimination had taken place and a high proportion of the candidates seen were well in the running for a place. I hope the process of pre-elimination will be adopted as standard practice generally for the attributes that make up a good Athlone Fellow are now very widely known and would-be applicants who have no chance of a place can be readily identified.

Owing to a withdrawal at the last minute, only 40 Fellows arrived in September 1962 and so we were able to offer 42 places this year, all of which are filled. I was pleased to be able to meet the party on its arrival at Waterloo Station and found them in very good heart and pretty well indistinguishable from previous batches, even to the extent of the usual couple of Fellows who had brought wives with them after avowing with a confident smile at their interview in 1962 that they would certainly be single on arriving in England!

The programmes chosen were much the same as the general run, 2 choosing two years in industry, 18 two years at a university and 21 a mixture of university and industry. The first Athlone Fellow to choose a 1 year Fellowship makes up the total, and he is spending his year at a university. This year, 13 universities or colleges in Great Britain have Athlone Fellows, which is to me a very gratifying spread.

After two years in post, I have found there are certain points of general interest that are not so well known in Canada as they should be. There are still far too many Fellows who want to take a Master's degree in one year purely by course work. This procedure is not available in Great Britain. Most universities, including London and Cambridge, still only give a Master's degree in engineering by research and this takes two years. Aberdeen, Birmingham and Swansea offer a 12-month programme in certain fields, but all require work on a project even if part of the time is taken up by courses. Some other universities, such as St. Andrews, Manchester and Sheffield, say that a Master's degree can be obtained in twelve months or thereabouts provided that the first degree was of good Honours standard, but these are all degrees by research work. A Ph.D. degree takes 3 years, unless the Fellow has a Master's degree before coming to England, in which case the time could be shortened. In this connexion, I must point out that Athlone Fellowships are for two years only and there is just no possibility of extending the Fellowship for a third year. Moreover, the National Research Council of Canada have warned us that Athlone Fellows must not expect their third year to be financed by a N.R.C. grant as a matter of course. 17 Fellows

applied for N.R.C. assistance this year, but only 10 were successful, and we can expect no better results in future years.

The main advantages of Athlone Fellowships over most other awards seem to me to be firstly, the possibility of having some industrial training and some academic training, and secondly, the freedom of choice both of general programme and of a particular college that is available so far as is practicable and in a Fellow's own best interests. It has been found by many Athlone Fellows that a year in industry followed by a year at a university giving a Master's degree in that time is extremely useful, but the Scheme is very flexible. Unfortunately, there are factors operating against getting all Fellows into the precise industrial enterprise they put down as their first choice, but quite a number are so placed and others are fixed up in a way suitable to them.

It is not always understood that Athlone Fellowships are engineering awards for further engineering training or experience in the United Kingdom. Programmes based on pure science, or on economics, or on industrial administration are no doubt very worthy, but are just not acceptable Athlone programmes, with the solitary exception of Sir Arnold Plant's special Diploma course in Business Administration, which may only be taken in the second year of a Fellowship.

Now a word about wives. It is clearly laid down that there is no marriage allowance, but even so each year some of the married Fellows, particularly when dependents are involved, have not made quite sure that they have adequate funds to support their families.

To sum up, the Athlone Fellowships have certain special advantages and certain disadvantages which should be weighed up before an application is made. Competition is now very keen and the Fellowships will go to those most nearly matching up to the ideas and ideals of the Scheme. These points are, of course, generally known throughout the Canadian Universities concerned, but Athlone Fellows Associations and others who are asked for advice from a prospective candidate may be able to say whether the Athlone Scheme is the best one for him. The Athlone Fellows Associations are already doing good work in giving advice to those newly awarded Fellowships - and their wives - before they leave for the United Kingdom, and I hope this work will continue. I hope, too, that they will extend the field to giving advice to prospective applicants and, to this end, will keep in close touch with the Department of Engineering at their local university and offer to give such advice.

I thought that the kindness I met with on my first Selection Tour in 1961 might have been partly stimulated by a desire to ease the path of a raw novice and that a certain toughness might be evinced on my second trip. On the contrary, the welcome, the hospitality and the friendliness on all sides, whether from old friends or from new contacts was overwhelming.

I write this within a few hours of leaving for the 1963 tour and I am looking forward to it more keenly than ever. I am immensely grateful to all who befriended me last year, many of whom will read this, and I am proud to be playing a substantial part in this valuable scheme which has forged and continues to forge links of lasting friendship between engineers of our two countries.

F.E.A.M.

Ontario Athlone Association

This is the second report of the activities of the Association. During the past year the affairs have been carried on by the original executive consisting of R. W. Missen, Chairman, F. A. DeLory, Vice-Chairman, P. J. Waugh, Secretary-Treasurer, and D.L.S. Bate, Social Convener. However, some changes will be made at the annual dinner as noted below.

Activities During 1963

1. Social:

A reception was held on April 6th at the home of the Principal British Trade Commissioner and Mrs. J. R. W. Wilby in honour of the newly appointed Athlone Fellows. There were 8 new Fellows present from the Toronto and Kitchener areas, two others from Hamilton being prevented by examinations from attending. In addition, there were about 25 Fellows and wives. All in all, over 70 people were present, including the British High Commissioner, Lord Amory. We are grateful to Mr. and Mrs. Wilby for their hospitality.

The second annual dinner of the Association will take place on November 7th in the Wardroom of H.M.C.S. York. This will be at the time of interviews for the next crop of Fellows, and the Adviser, Mr. Manning, will be a guest. A talk will be given by Mr. Wilby on the work of his staff in the Trade Commissioner's Office.

2. Service:

The lists of Fellows in the various areas sent to the Deans of Universities in Ontario were not revised this year because of lack of information about changes. A meeting was held at the University of Toronto on October 1st to acquaint prospective candidates with the nature of the scheme. We were surprised that only six students turned up, and this is apparently indicative that there will not be many candidates at Toronto this year.

3. Financial and Membership:

After the initial organizing efforts of last year, there has been a very slow growth in membership, with only a few additional information sheets being returned. Since the expenses have not been great, the initial fees subscribed by most of those returning information sheets have provided enough money. The financial report is as follows:

Credit:	Bank balance, October 31, 1962:	\$ 74.39
	receipts - dinner:	134.60
	- bank interest:	0.59
		<hr/> 209.58
Debit:	Dinner expenses:	<hr/> 157.80
	Bank balance and cash on hand, October 1, 1963:	<hr/> \$ 51.78

Executive Changes

At the dinner meeting on November 7th, the following executive will be proposed:

Chairman:	D. L. S. Bate, A54
Vice-Chairman:	F. A. DeLory, A53
Secretary-Treasurer:	T. R. Nettleton, A56
Social Convener:	F. E. Collins, A60

Appeal for Information

In order that our task of keeping track of Athlone Fellows in Ontario may be lightened, we would appreciate hearing about changes of address of our present members. We would also like to hear from those Fellows who have recently moved into Ontario and those who have recently returned from the United Kingdom. Address your letters to -

T. R. Nettleton,
31, Paxtonia Blvd.,
Downsview, Ontario.

R. W. Missen,
Chairman

Names in the News - from the Athlone Fellows Association in Ontario

D. A. Markle (Athlone '58)

of de Havilland Aircraft of Canada Ltd. presented a paper "Infrared Transmission through the Atmosphere" at the 1963 Canadian Electronics Conference held in Toronto Sept. 30 - Oct. 2. The paper described two instruments designed to measure attenuation of solar energy in the upper atmosphere.

P. J. Fulford (Athlone '57)

presented a paper "Performance of Mechanical Seals for Primary Coolant Pumps" at the Canadian Nuclear Association International Conference held in Montreal in May 1963.

R. W. Missen (Athlone '53 and Chairman of the Ontario Association)

a Professor in the Chemical Engineering Department of the University of Toronto, has been awarded the Plummer Medal by the Engineering Institute of Canada for a paper presented in Sarnia in 1962.

W. M. Rayner (Athlone '52)

has been appointed Graduate Training Coordinator, Switchgear Devices, with Canadian Westinghouse Co.

D. L. S. Bate (Athlone '54)

of Ontario Hydro and A.E.C.L. presented a paper "Civil Design and Layout Features of the Douglas Point Nuclear Power Project" to the ninth AECL Industrial Symposium held in Toronto in Sept. 1963. He is the Senior Design Engineer - Design Coordination with the Nuclear Power Plant Division of Atomic Energy of Canada, who are designing and building the Douglas Point Nuclear Power Station on Lake Huron about 135 miles west of Toronto. The civil work is just about complete and mechanical installation is well along, with a "critical" date of next September for the reactor, and a "commercial operation" date of early 1965 for the station getting rapidly closer. The 220 MW turbine-generator is coming from A.E.I. in the U.K., with delivery expected late 1963. A.E.I. have subcontracted a good deal of the generator fabrication to General Electric of Canada in Peterborough, Ontario. Two circulating water pumps have been supplied by Vickers-Armstrongs and these are already installed. They are each rated 87,500 g.p.m. at 17.5 ft. head. Other equipment purchased in the U.K. mostly under sub-contracts,

includes two 1000 H.P. diesel engines (Mirrlees) for standby power supplies, valves from Hopkinsons for the heavy water coolant system, two boiler feed pumps (Harland Engineering), and ion chambers and associated amplifiers from Twentieth Century Electronics and Elliott Nucleonics respectively. The total U.K. portion of the plant comes to some 17% of total expenditure to date on materials and equipment. This compares with 12% U.S. content (excluding heavy water).

Jim Fulford (Athlone '57) is doing associated work on advanced projects, also with the Nuclear Power Plant Division. In fact the nuclear field seems to have captured quite a few Athlones. Gord Leaist (Athlone '51) and at least half-a-dozen others are engaged in research and development work at Chalk River.

Other ex-Athlones who have shared in the design of this plant are Earl Fee (Athlone '53) who is now at McGill getting his Master's Degree, and Jerry Sovka (Athlone '58) who is doing a Ph.D. project at M.I.T.

"F I T B A"
(Glasgow style!)

by W. Robert Tucker

(William Robert Tucker is a 1960 Group "A" Fellow from McGill University, Montreal. He spent his first year at the D.S.I.R. National Engineering Laboratory, East Kilbride, Glasgow and the second at the University of Glasgow where he obtained his Master's degree.)

They had managed to do it - I had been talked out of my Saturday game of golf! Where was I going? For anyone in and around Glasgow that was a silly question. Naturally, I was off to witness the great Glasgow spectacle - a clash between the two football (pardon) soccer giants of the Scottish First Division: Glasgow Rangers of Ibrox versus their Parkhead rivals, the Glasgow Celtic.

"You're no neutral! You're supporting the boys in blue!" my friends insisted. Obviously my may-the-best-team-win approach to the game had not gone over too well! Didn't really matter anyway - the Glasgow crowd had me categorized. The fact that I wasn't an R.C. and also didn't happen to own a "stitch" of green clothing automatically "chalked me up" as a supporter of the Ibrox club.

We were away! Storming out of East Kilbride in a blue (what other colour is there?) van, we hastened to the rendez-vous point - a small pub on the outskirts of Glasgow. Here the group assembled; all sporting the same - coloured scarves and sounding the same verbal "praise" of the rival team and its supporters. (And how a few pints of "heavy" helped to confirm the "unbiased" predictions of the final score!)

But no time to waste! It wasn't long before the twelve "follow-follow" boys,¹ each with his "carry-oot"² were tucked safely into the van and to the accompaniment of a riotous chorus, we again rejoined the 85,000 fanatics converging on Ibrox stadium.

To enter the stadium to many was a relief: and as I rolled up my trousers and walked gingerly to higher ground, I got my first look at the teams who, that day, were to battle for supremacy. In contrast to our sport spectacles, there are few reserved places, and the majority of the crowd stand throughout the game.

Well established in the Ranger enclosure, I watched the game with interest - while at the same time "absorbed" all that took place around me. As the game progressed, and the "carry-oots" dwindled, the underlying rivalry between the opposing supporters was felt to increase: "border" disputes were common, verbal disputes frequent and unflattering, fists and beer-cans flew with little provocation! I had the feeling of a visitor to a munitions factory where all the employees were chain-smokers!

The final whistle blew - the game was over, and an excellent game of football it had been. But alas - it had ended in a draw! Supremacy had not been established on the field, biased predictions had proved inaccurate on both sides, the "carry-oots" were finished - NOBODY seemed satisfied with the outcome!

As we left the stadium to the tune of wind-blown beer-cans, it was obvious that the afternoon's entertainment was far from over. Before arriving back to the van, we had seen three good fights, a bottle being hurled from a third-floor tenement window at a pair of drunken Celtic supporters, and I had, as I now realize, the somewhat dubious honour of being saluted by a group of Celtic supporters with a strange "V" (for victory) sign. At the time, it did seem odd - I was certain the game had ended in a draw!

As my Ranger friends and I headed for East Kilbride, I couldn't help feeling that the day had been a tremendous experience - an enjoyable, yet risky one at that!

However, it wasn't until I was on my way back to Canada on the "Sylvania" that I truly appreciated my experience. Following the "Gala" Dinner on board, at which we had received cardboard party hats, I met a Glaswegian sitting in the lounge with a bottle of beer planted solidly in his well-shattered hat!

"Coming from Glasgow, you'll appreciate this," he said pointing to the hat. "I've just come home from a Rangers-Celtic match!" He couldn't have greeted me more warmly!

W.R.T.

1. Ardent fans who follow their team everywhere.
2. Hip bottles.

REFLECTIONS ON THE ATHLONE FELLOWSHIP SCHEME

by F. E. Collins

(Frank Edward Collins is a 1960 Group "A" Fellow from the University of Toronto. He spent his first year on Operational Research at the University of Birmingham, where he obtained his Master's degree, and the second on the Business Administration Course at the London School of Economics.)

When I submitted the final report in connection with my Fellowship last year, I had in mind writing further at some future date regarding my impressions of the Athlone Fellowships Scheme.* I felt then that the passage of a little time might serve to temper some of the ideas so fresh in my mind of the two year period of training which I was just completing.

A short time ago I was prompted to think of these things when I attended a reception given for the Athlone Fellows in Ontario by Mr. Wilby, Principal British Trade Commissioner in Toronto. This was an entirely pleasant occasion, affording an opportunity for reunion of old friends, and of meeting the new Athlone Fellows.

When I recall my own stay in England, which ended less than a year ago, I do so with the deep satisfaction that comes from having participated in a postgraduate training system which is second to none. I feel that the excellence of my particular programme contributed in a major fashion to the success of my Fellowship. This programme comprised the M.Sc. Operational Research course at the University of Birmingham, the latter involving several months of project work at the Steel Company of Wales Limited, and finally a year at the London School of Economics under Professor Sir Arnold Plant. Both academic sessions were valuable to me, though in different ways. The work at Birmingham was highly rigorous, and comprehensive in the speciality of Operational Research. The work at L.S.E., was broader in scope, and though somewhat less demanding in academic discipline, it afforded time for deeper thought on some of the more important issues underlying the economics of business enterprise. These two academic undertakings complemented each other in a manner which was most satisfactory at the time, and very useful now in my present position with K.C.S. Limited, a firm of Management and Technical Consultants.

Recently I have been giving thought to some aspects of the Fellowship Scheme which seem to me to be of importance in ensuring that the tenure of a Fellowship be of maximum value to both the recipient and the Board of Trade as the donor. First, I feel that preference should be given to candidates who can state, in fairly certain terms, what programme they wish to follow, and who can support their choice with facts and explanations. Furthermore, perhaps more emphasis could be placed in choosing candidates who show the most promise of being prepared to fulfil the objectives of the scheme after returning to Canada.

Once the candidate has been accepted as a Fellow, the Board of Trade seem to be most effective in instituting the programmes selected by the Fellows. This latter service is important and well appreciated. In this connection, candidates should be made aware of programmes which would be unacceptable to the Athlone Fellowships Committee, so that once arriving in England, a Fellow will cause as little trouble as possible in taking up his work.

Finally, the opportunities open to Athlone Fellows for travel, both in the United Kingdom and on the Continent of Europe, constitute a valuable consideration to a young man from North America. I myself was fortunate enough to make many trips within the United Kingdom, together with five trips to the Continent. Of the latter, the last and longest was made after the tenure of my Fellowship was completed, and included a visit to Russia and other countries in the Soviet bloc. The prerogative of this type of travel I think is important, and one which should be preserved in the scheme.

One final aspect of the Athlone Fellowships system which impresses me as being particularly important is the opportunity for participating in British life in general. Living in Britain among British people is a unique and enlightening experience for a North American, and a valuable one. One way of enjoying this experience to the full is to participate in British sports. I myself was fortunate in being able to row with the L.S.E., eight oared crew. This was an experience which I look back upon with the greatest satisfaction, and perhaps as the highlight of my stay in England. In my mind no sportsmanship in the world excels that of the British, and in this regard no sport compares with the discipline of rowing. I would highly recommend all Athlone Fellows to take up some British sport, and particularly rowing.

In concluding, I extend to the Athlone Fellowships Managing Committee, the Board of Trade, and to the British people at large my deep gratitude for my two years in England and what they have brought to me. I can hardly say how much all these things mean to me.

F.E.C.

A MEDICAL SCHEME - LUCKY FELLOW!

by R. N. Stone

(Roger Stone is a 1961 Group "A" Fellow from the University of British Columbia. He spent his Fellowship at Imperial College on automatic control systems and electronic instrumentation.)

In the hope that it will be of interest to present and prospective future Fellows, I should like to describe in this article the way, which I believe is fairly unique, in which I have found myself spending the two years of my Athlone Fellowship in the U.K. I shall try to show that, from the points of view both of the Fellow and of the Board of Trade, the type of programme involved is very worthwhile.

I was one of the 1961 group, with an Electrical Engineering degree from U.B.C. My original programme called for a year at Imperial College and a year in industry. I therefore found myself at Imperial College in the autumn of 1961, and gravitated to Dr. Sayers' Instrumentation laboratory, this being my main subject of interest.

Around the same time, Dr. Dennis Hill, Senior Lecturer in Physics at the Royal College of Surgeons of England, applied successfully to the Royal Society of London for a grant from their Paul Instrument Fund, to finance an investigation of the possibility of applying modern optical and electronic techniques to the problem of fast non-destructive gas analysis by the infra-red absorption method. Such analysis is required in research on anaesthetics and respiratory physiology.

Around Christmas time, Dr. Hill applied, again successfully, to Professor Tustin of Imperial College for a graduate student of instrumentation to come and work with him, this work to be the subject of the student's M.Sc.(Eng) Thesis. The project and I seemed to suit each other, and so it came about that I found myself spending a portion of my time at the Royal College of Surgeons.

The technique of quick-response quantitative gas analysis by monitoring of the absorption of infra-red radiation in the waveband characteristic of the gas concerned, has long been tied to the device which first made the method practicable, namely the Luft detector. This device was invented in Germany during the last war. While its optical and electrical properties are fairly satisfactory for the purpose, the Luft detector is by its nature a vibration pickup. Hence an instrument built around one is useless for field studies, such as are of interest to the R.A.F. who have had pilots black out due (it is suspected) to hyperventilation, and to the R.N. who would like to do respiratory studies on divers. The Luft detector has other drawbacks. Hence the desirability of using some of the devices upon which much research and development has been conducted in recent years for military applications (particularly heat-seeking missilery) such as the indium antimonide photo-conductive cell, the multi-layer optical interference filter, and for that matter the transistor, which is still in process of introduction into medical instrumentation.

Looking at the project from the other end, some interesting problems were posed by the operational requirements for a gas analyser which would be ideal for the applications envisaged. These are that it should be explosion-proof, for operation in the presence of explosive anaesthetic agents; interference-proof, for operation near diathermy and other equipment; layman-proof, for operation by users who know no electronics and have no time to read instruction books; self-compensating for as many as possible of the phenomena which could cause artifacts in the output, such as the very large thermal drift of detector sensitivity; and so on.

While it is not relevant here to comment upon the success or failure of this particular project, it should be said that it proved to be a highly interesting one, providing quite diversified experience of some of the concepts, problems etc. of electronic instrumentation, and in particular of the fascinating task of trying to find the most compatible form of combination of electronics with optics and mechanics to give all the required features, with reliability and at reasonable cost. For the project as a whole was not merely an academic exercise, but an attempt to show that the devices and techniques could yield an analyser which could be produced and sold.

However, the feature of this programme which I believe to be fairly unique was the amount and breadth of contact, both by correspondence and personal visits, with manufacturers (and mainly with their technical departments) as well as Government, military and academic establishments. The same contact (and personal contacts, for that matter) could probably be made in no better way, even under the Athlone scheme. For, if one is with a commercial organisation, clearly there is little question of getting a guided tour of competitors' development laboratories; and for a graduate student at a university, outside visits when they are available tend to be in the nature of general-interest tours of which, in my experience, very little is remembered afterwards. The medical application is probably the telling factor. The name of (for example) the Royal College of Surgeons is a key which opens many doors which might otherwise be politely but firmly closed, (or perhaps in some cases just closed).

There are of course many attractions in bio-medical instrumentation as a field of permanent employment. Working with medical research people is stimulating and absorbing, and their appreciation for the solution to the simplest of measurement problems is really quite gratifying. Some of the measurement and data reduction problems are in fact challenging and very interesting. Further, I can report from first-hand observation that there is a crying need, at least in England, for engineering contributions and cooperation at a professional level in this field.

In this field, one need not be concerned solely with research. An increasing number of instrument and computer companies in the U.K. are taking an interest in medical applications, and opening new medical departments. Partly as a result of the gas analyser project, two firms whose production of detectors and filters respectively has hitherto been earmarked solely for military purposes, have considered offering their items commercially. My own programme has led directly to a short term of employment with Messrs. Grubb Parsons Ltd. of Newcastle-upon-Tyne. This, I hope, will provide a bit of first hand industrial experience to round off what has been a truly educational programme.

In conclusion, then, let me point out how the interests of everyone involved in this type of programme are well looked after. The Fellow sees and learns somewhat (perhaps a great deal) more than he otherwise might; the Board of Trade sees the Fellow becoming reasonably acquainted with a wide range of British companies, some of them competitors of each other; and the medical people have, without the expense of his salary, the services of a graduate engineer, albeit an inexperienced one but possessed perhaps of more originality of approach than many older men, who can apply his brand new knowledge to one or two of the many fascinating problems of medical instrumentation.

R.N.S.

SCOTLAND AT LEISURE

by R. G. P. Tischuk

(Roy Tischuk is a 1962 Group "A" Fellow from the University of New Brunswick. He spent his first year on fluid mechanics at the D.S.I.R. National Engineering Laboratory, East Kilbride, Glasgow, and is currently taking the thermodynamics course at the University of Birmingham).

Four out of forty Athlones in 1962 went to Scotland under the Fellowship scheme. Only some 23 out of 456 Fellows have studied or worked in Scotland since the scheme was originated in 1951. It would be unwise to take these figures as a conclusive guide to what this "wee" country has to offer. Academic standards and university courses may be easily obtained from published literature, but this article attempts to show the brighter side of bonnie Scotland - at leisure.

There were no wall-sized billboards imploring me to come skiing in the Highlands. In fact, no concrete evidence that snow even existed up there. Just a certain week in January when a few friends dropped the subject of football and began planning ski-weekends. In need of skis, I joined the Lab. Ski-Club and found myself with the duty of patching up some very dilapidated equipment with questionable enthusiasm. But true enough, "Ye canny have everything for five bob!" So was the start of a hilarious, diversified ski season which took us throughout the West and Central Highlands in sun, rain, and blizzards.

A Scot is always optimistic about this fickle weather, probably because it is only a secondary item on his agenda. One Saturday when Glasgow was drizzly and overcast, the Campsie Fells just eight miles north were sunny and blanketed with beautiful snow. The opposite of this was nonetheless very common. Sometimes the snow seemed to vanish as we approached the ski-slopes. Whatever the outcome, it was always very amazing to discover how much could be gotten from so little when nothing was expected.

Booking in advance is a necessity and usually means that you must set off on an excursion regardless of conditions, merely hoping for the best. On one occasion, heavy snow-drifts had blocked the direct 150-mile route to a northern resort in the Grampians and so we decided to try our luck on a detour route up the West Coast, adding 80 miles to the journey. During the twelve hours in transit we encountered howling drifts on the Rannoch Moors, lashing rain in Glencoe, a green sunny valley completely void of snow around Loch Leven, and finally some fine winter weather in an area strongly resembling the Laurentians. If you have ever been baffled by distances, you can then try to imagine this 400-mile circular tour during which the famous Ben Nevis (4400 ft) would be continually in view on a clear day.

The hardships are all forgotten when the primary object is finally achieved. You forget there was no accommodation left in the small ski village and that you've had to sleep in a moth-eaten tent on the back steps of a hotel. You forget the gruesome daily climb from the car park to the bottom of the ski-lifts where a half-mile queue has already beaten you to it. And at the end of it all, you wonder how you possibly survived on a week of canned mince and pints of bitter. There is one consolation however - that knowing grin from your mates which means you've come one step closer to being a hardy Scot!

Now for the summer sport. Is there much water-skiing in Scotland and is it necessary to wear a rubber suit? Well, yes and no. Within a 30-mile radius of Glasgow alone there are no less than two dozen boat anchorages on numerous 'lochs'. The sport is enjoyed mostly by clubs whose members have pooled their resources to provide equipment. Any of these clubs will readily welcome you if you display a keen interest. As for wearing a rubber suit, I need only say - it helps.

It is no exaggeration when they say Scotland is the home of boating and golf. The climate on the West Coast allows you to golf the year round amid scenery which some of us are lucky to see during a fortnight's holiday. An hour's drive will find you in Ayrshire, the stonping grounds of Robbie Burns; or in a quaint fishing village on either coast; or in the Trossachs whose verdure is mingled with purple and white heather; or the Clyde shipyards where some of the biggest ships and most beautiful small craft have been built. It's all on your doorstep if you care to see it, and you should. Some of the scenery is sometimes over-rated but a Scot's pride is not to be ignored. He'll miss no opportunity to impress you with the countryside and in more precise terms than you could describe your own back garden.

"Ca' canny, but ca' awa' ". Very good advice, for it means that one should proceed but with a cautious step. Countless other expressions like this one reflect the nature of bonnie Scotland. If Scotland's greatest export is people, she has a splendid way of sending them off, for as you drive out across the border several roadsigns invite you to "Have a whisky afore ye go!" and "Haste ye back." I for one certainly will.

R. G. P. T.

ATHLONE FELLOWSHIPS

NEWS LETTER No. 9

JANUARY 1965

THE ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Mr Julian Pode, J.P. (Chairman)
Mr Douglas Logan, D.C.L., LL.D. (Vice Chairman)
Mr G. S. Bosworth, M.A., M.I.Mech.E., M.I.E.E.
(British Electrical & Allied Manufacturers' Association)
Mr J. H. Lawrence, F.C.A. (Scottish Engineering Interests)
Mr F. E. Prior, M.I.C.E. (Federation of Civil Engineering Contractors)
Mr D. D. Walker, M.A., M.I.E.E. (British Engineers' Association)
Professor H. E. M. Barlow, B.Sc., Ph.D., M.I.E.E., M.I.Mech.E., F.R.S.
(Pender Professor of Electrical Engineering, University College, London)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., M.I.E.E., F.R.S.E.
(Professor of Electrical Engineering, University of St. Andrews)
Professor S. C. Redshaw, D.Sc., Ph.D., M.I.C.E., M.I.Struct.E., F.R.Ae.A.
(Professor of Civil Engineering, University of Birmingham)
Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C.
(Professor of Chemical Technology, Imperial College of Science & Technology, London)
Mr G. H. Doughty (Trades Union Congress)
Captain B. E. W. Logan, R.N. (Retd.) (Federation of British Industries)
Mr J. F. C. Springford (The British Council)
Mr H. F. Heinemann (Board of Trade)
Mr C. Freedman (Department of Education & Science)
Mr J. T. Hughes, O.B.E. (Commonwealth Relations Office)
Mr J. A. M. Mitchell, C.V.O., M.C. (Scottish Education Department)
Mr F. E. A. Manning, C.B.E., M.C., T.D., B.Sc.(Eng.), M.I.Mech.E., M.I.E.E.,
M.I.Nuc.E. (Adviser)
Mr T. W. Turner (Secretary)

The Athlone Fellowships News Letter No. 9

FOREWORD BY SIR JULIAN PODE, J.P. (Chairman of the Managing Committee in the United Kingdom)

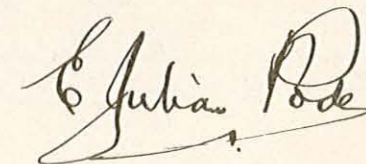
For the sixth successive year I am happy to contribute this foreword to the Athlone News Letter.

In the exciting times in which we live, the fields of science, technology and higher education are changing and there exists an ever present challenge to the young graduate engineer to develop a resourceful approach to the new problems which present themselves. It is my belief that the Athlone Fellowships Scheme provides an excellent opportunity for the young Canadian graduate engineer to continue his training and further his experience. By providing this opportunity, the Scheme must surely be making a worthwhile contribution to good Anglo-Canadian relations.

In March 1964 I attended the Biennial Conference of the 1962 and 1963 Fellows held at the Board of Trade's new office in Victoria Street, London, S.W.1. The conference was a great success and provided, as on previous occasions, an unfettered opportunity for the Fellows to give us their views during the day - and to meet each other at a cocktail party in the evening. We are grateful to Mr. Edward D. L. du Cann, M.P. (at that time Minister of State), for opening the Conference, and to Sir Richard Powell, Permanent Secretary to the Board of Trade, for acting as host during the evening.

The Athlone Fellowships Managing Committee has experienced some changes. Three stalwarts, Miss S. M. E. Goodfellow, Mr. E. W. D. Negus and Mr. J. F. Palmby (Secretary of the Committee) all of whom have done excellent work on behalf of the Scheme, have been replaced by Mr. C. Freedman, Mr. J. H. Lawrence and Mr. T. W. Turner respectively. Mr. Palmby has been widely known for his sympathetic approach to the problems of the Fellows, and I have no doubt that his methods will be continued in the future.

As Chairman of the Committee I should like to add that it gives me great pleasure to be associated with what I consider to be a very worthwhile enterprise and one which I know has a high reputation in Canada and in the United Kingdom.



NEWS LETTER NO. 9

The Managing Committee of the Athlone Fellowships Scheme have pleasure in issuing this News Letter to Fellows past and present and to all those interested in the Scheme in the United Kingdom and Canada.

Reports by Fellows and by their industrial supervisors and university tutors continue to show that current Fellows are maintaining the high standard set by their predecessors. The universities and the United Kingdom establishments which have accepted Fellows for training maintain their interest in the Scheme and continue to give it every assistance. To these the Managing Committee express their sincere thanks and appreciation.

The Managing Committee also wish to express gratitude to all those in Canadian universities, engineering industries and in offices of the British High Commissioner and the Senior British Trade Commissioner to whose continued enthusiasm and co-operation the Scheme is greatly indebted.

The 14th group of Fellows arrived on the 17th September, 1964, bringing the total number of awards to date to 540. The following table shows the relative distribution of training programmes since the Scheme started in 1951:

	<u>Two years industry or industrial consultants</u>	<u>Two years university college or research establishment</u>	<u>Mixed Course</u>	<u>One year only</u>	<u>Total</u>
1951	8	21	9		38
1952	4	18	13		35
1953	16	11	10		37
1954	10	10	16		36
1955	8	12	17		37
1956	1	21	16		38
1957	2	28	6		36
1958	-	20	18		38
1959	-	27	14		41
1960	1	27	12		40
1961	1	29	10		40
1962	-	21	18	1 U	40
1963	2	18	21	1 U	42
1964	1	22	17	2 U	42
	<u>54</u>	<u>285</u>	<u>197</u>	<u>4</u>	<u>540</u>

Of the 1962 Fellows who completed their Fellowships in 1964 and were scheduled to return to Canada, 15 have remained in Britain under other arrangements to work for a higher degree. The National Research Council of Canada have given financial support in many cases. Of the fifteen 1962 Fellows in this category, eight obtained N.R.C. scholarships.

Athlone Fellowships Conference

The fourth biennial conference was held in London on 24th March, 1964 for the 1962 and 1963 Fellows. It was opened by Mr. Edward du Cann, M.P., at that time Minister of State, Board of Trade; Sir Julian Pote, J.P., Chairman of the Managing Committee resided.

In welcoming the Fellows, the Minister mentioned that the underlying objective of the Fellowships Scheme was to assist in the development of Britain's trade with Canada. Two-way trade would not thrive, however, if it did not rest on the solid foundation of understanding and goodwill between suppliers and customers. There was sufficient evidence to show that these Fellowships helped to develop that understanding and goodwill and if this continued we should be well content.

The Minister said he hoped that Fellows were enjoying their stay in Britain and that they were finding it possible to see something of the scenery, historic treasures and culture which gave life here its characteristic flavour. He reminded those who were nearing the end of their awards that we did not lose interest in them after they had returned home. We sent them a regular News Letter and our Trade Commissioners in Canada were always pleased to see them. The Minister recommended that Fellows should join one of the Athlone Fellows Associations which had been formed in Canada (Quebec, Ontario and Manitoba).

The Minister concluded by saying that we had been greatly encouraged to learn of the pride felt by former Fellows in having the Award. This was a good advertisement for the Scheme but we did not intend to rest on our laurels and we were always looking for ways of making improvements.

Fellows then dispersed into four groups under the Chairmanship of officials from the Board of Trade, Department of Education and Science, Commonwealth Relations Office and the British Council, to discuss the Athlone Fellowships Scheme and how it works in relation to the needs of Canadian industry.

The consolidated views of the four groups were presented later in the day when all the Fellows reassembled. Spokesmen were: John A. MacKenzie (Nova Scotia Technical College); Irving M. Nitkin (McGill); Jean L. Normand (Laval) and Anthony S. Maxwell (McGill).

The 1964 Group

On the 17th September, 1964, the "Empress of England" discharged its passengers at Liverpool among whom were the 1964 Athlone Fellows. Included in this group was Miss Hermine Borduas from Ecole Polytechnique who is studying mechanical engineering at Imperial College in her first year. She is our first woman Athlone.

Of the new intake of 42 Fellows, two are one-year awards. Twenty two of the total are programmed for two years at university whilst the bulk of the remainder are scheduled for mixed industry/university courses.

Athlone Fellows Associations

The Athlone Fellows Associations in the Provinces of Quebec, Ontario and Manitoba continue to flourish. Reports from Montreal and Toronto will be found elsewhere in this issue.

The Officers of the three branches are:

- Quebec: Réal A. J. Arsenault, (Chairman)
439, St. Thomas Street, Longueuil, P.Q.
- Bob Newey, (Secretary)
c/o Shawinigan Engineering Co. Ltd.,
620, Dorchester Boulevard West,
Montreal 2, P.Q.
- Pierre Bourassa, (Treasurer)
c/o Banque d'Expansion Industrielle,
901, Victoria Square,
Montreal, P.Q.
- Ontario: Dr. R. W. Missen, (Chairman)
Associate Professor of Chemical Engineering,
University of Toronto.
- T. R. Nettleton, (Secretary and Treasurer)
61, Belgrave Avenue,
Toronto 12, Ontario.
- Manitoba: Rudolf H. Schilling, (Secretary)
Ste. 1-S, 1234, Pembina Highway,
Winnipeg 19, Manitoba.
(Also: Department of Mechanical Engineering,
University of Manitoba)

The Managing Committee would like to thank those who have contributed to the present issue of the News Letter. They would also like to remind all past and present Fellows that contributions for the next issue are most welcome. It would be helpful, too, if Fellows would assist the Secretary keep his records up-to-date by notifying changes of address etc. A tear-off slip on page 15 of this issue is provided. Please send it to the Secretary, Athlone Fellowships Managing Committee, Board of Trade, 1, Victoria Street, London, S.W.1.

Fellows in Canada may write or telephone changes of address to any of the following British Trade Commission offices:

- | | | |
|--------------------|---|------------|
| OTTAWA | 80, Elgin Street. | 237-1530 |
| MONTREAL | 635, Dorchester Boulevard West. | 866-5863 |
| TORONTO | 200, University Avenue. | 362-1223 |
| VANCOUVER | Bank of Nova Scotia Bldg., 602, W. Hastings Street. | 681-8381 |
| WINNIPEG | 4th Floor, 333, Broadway Avenue. | 942-3153 |
| REGINA | Room 207, Derrick Bldg., 2431, 11th Avenue. | 517-6459 |
| EDMONTON | Suite 600, Bank of Montreal Bldg., Jasper Avenue. | 424-0481 |
| ATLANTIC PROVINCES | 5425, Spring Garden Road, Halifax, N.S. | 422-7488-9 |

Selection Tour for the 1964 Awards,
with Sundry Reflections on the Athlone Scheme

by F. E. A. Manning, C.B.E.
(Athlone Fellowships Adviser)

Literally on the eve of leaving for Canada for another round of Interview Boards, I am writing about my 1963 Tour. This has some advantages, for I have been able to welcome the 1964 Fellows and to see them settled in before writing about them. Moreover, another biennial Conference has taken place and I can add some thoughts inspired by it.

The most memorable feature of this tour was the award of a Fellowship to a lady - Miss Hermine Borduas from Ecole Polytechnique. She was not the first applicant of her sex, for one at least was interviewed in the very early years of the Scheme, but she is now here and so she is in a unique position and has made Athlone history. The first candidate from Windsor University was also successful. Dalhousie University was admitted as a participating University for Engineering Physics only and I was sorry that their first candidate, an excellent fellow, could not be given a Fellowship because of the lack of engineering content of his programme and future career. So twenty Canadian Universities are now participating and a very fine cross-section of Canadian graduates come forward each year.

Considerable local sifting of prospective applicants took place so that only 121 candidates were interviewed. 42 awards were made to 34 "A" and 8 "B" Fellows, two of the latter being for one year only. All the successful applicants duly arrived in England in very good heart, 19 married instead of the 12 that expected to be. The distribution between interests is much the same as usual and of the 83 Fellows in the 1963 and 1964 groups, 68 are in 15 British Universities and 15 are in industry.

More British Universities are now offering facilities for obtaining a Master's degree in one year, and this trend is likely to continue. For many Athlone Fellows a Master's degree is adequate and one year of the Fellowship becomes available for gaining experience in industry. At the Conference and in their periodic Reports many Fellows stressed the advantage of this and two went so far as to say that Fellows should be directed into industry for a part of their two years. We would not, of course, "direct" anyone to any particular place, but the advantage of the Athlone Scheme in permitting some time in industry as well as giving an opportunity to gain a Master's degree is obvious and cannot be over-stressed. On the other hand, a Ph.D. degree takes at least three years in practically all cases, and the Athlone Scheme is not geared to this. Only half of the applicants for N.R.C. awards were successful this year and it is most important that no one should start a Ph.D. programme without a very clear idea of how he will pay his way after his Athlone Fellowship ends.

Many Fellows have recently commented about the advantages of going to the provinces rather than to London. That to do so is cheaper, especially for married Fellows; that London is not representative of English life; that more contact is made with the people of the United Kingdom; and that more supervision and personal attention are given; these are some of the points made. Other points have been made about Cambridge; that it is excellent for the academic and theoretical side but industrial engineers should be dissuaded from going there; that it is not representative of British life; and that it is not very suitable for married Fellows. But the choice under the

Athlone Scheme is quite open and we want Fellows to make full enquiries in their Canadian Universities before coming to a final decision. The different Branches of the Athlone Fellows Associations can be of great help, starting with prospective applicants and ending with advice to young wives of successful candidates. For my part, I am here to advise, and am always ready to give this service to Fellows. Applicants and prospective applicants, however, should get in touch with the Deans of their Universities; I am afraid I cannot correspond direct with them until they are accepted for Fellowships.

Montreal Branch - Athlone Fellows Association

The Montreal Branch of the Athlone Fellows Association is planning to conduct a survey of Athlone Fellows in the Montreal, Quebec, Sherbrooke and Ottawa regions. The results are intended for publication in the 1966 News Letter. The following subjects will be investigated:

1. Influence of the Fellowships on subsequent career.
 2. Utilization of knowledge gained during the Fellowship period.
 3. Methods for deriving maximum benefit from a Fellowship (for the guidance of present and future Fellows).
 4. Possible improvements in the Fellowship program.
-

A woman has joined our ranks! Miss Hermine Borduas is the first French speaking woman to accomplish such a feat. She comes from Ecole Polytechnique of Montreal. We wish her the very best in her post-graduate studies.

La section de Montréal de l' "Athlone Fellows Association" présentera en 1966 les résultats d'une enquête poursuivie parmi les boursiers demeurant à Montréal, Québec, Sherbrooke et Ottawa. Cette enquête portera sur les sujets suivants:

1. L'influence de la bourse d'études sur votre présente profession.
 2. L'utilisation des connaissances post-universitaires dans l'application de vos fonctions actuelles.
 3. Les méthodes suggérées pour l'usage maximum de votre spécialisation (guide pour les boursiers présents et futurs).
 4. Les améliorations qui pourraient être utiles pour les futurs boursiers.
-

Une femme dont la langue est le français fait maintenant partie de nos rangs. C'est la première femme qui accomplisse un tel exploit! Nous adressons à Mademoiselle Hermine Borduas, de l'Ecole Polytechnique de Montréal, nos sincères félicitations et nos meilleurs vœux sa réussite dans ses études.

Ontario Branch - Athlone Fellows Association 1964 Report

Executive Committee

At the 1963 Annual Dinner, held in the Wardroom at HMCS York, Toronto, the following fellows were elected to the executive committee:

Chairman	D. L. S. Bate	'54
Vice Chairman	F. A. DeLory	'53
Secretary-Treasurer	T. R. Nettleton	'56
Social Convener	F. E. Collins	'60

The following members were elected for the 1965 Committee at the 1964 Annual Dinner, at November, 1964:

Chairman	D. L. S. Bate	'54
Vice Chairman	T. R. Nettleton	'56
Secretary-Treasurer	R. J. Taborek	'60
Social Convener	J. W. Smith	'57

Membership

A province-wide survey was made to confirm existing address records and to locate newly arrived Fellows. The results indicated numerous changes of address. Of ninety-six inquiries sent out in August, sixty-five replies were received at the time going to press. Included in these were twenty-five changes of address, and information which introduced ten additional Fellows. Forty-nine Fellows have paid their 1964 membership fee.

Social Activities

The Principal British Trade Commissioner and Mrs. Wilby were again hosts in their home to a reception held in honour of the newly appointed Fellows on 4th April, 1964. The most enjoyable evening was had by everyone.

The members of the Ontario Branch wish the Wilbys every success on their new posting to Seattle, Washington.

The third Annual Dinner was held on Saturday, 21st November, 1964 at the Royal York Hotel in Toronto. At the request of many members, the ladies were invited. This was the most popular function to date with Fellows coming from as far as Kirkland Lake, London and Sarnia.

The guests included Mr. F. E. A. Manning, who was on his annual selection tour; Mr. and Mrs. Geoffrey Jackson; and Mr. and Mrs. C. Blackman. Mr. Jackson, the recently appointed Principal British Trade Commissioner, was the guest speaker.

Service

One of the objectives of the Ontario Branch of the Athlone Association is to provide assistance to selection boards and the Adviser, through the counselling of prospective candidates by graduate Fellows. Many graduate Fellows are keen to help. However, it appears that this service is being used very sparingly. All comments and suggestions regarding this matter are welcome.

T. R. Nettleton, P.Eng.
Secretary-Treasurer

A WIFE'S TALE

by Betty C. Nitkin

(Betty Nitkin is the wife of Irving M. Nitkin - a 1962 Group Fellow from McGill University. He spent his Fellowship at the University of Cambridge on Structures.)

It is not often that we wives are asked for our opinions, especially here in male-dominated Cambridge. Therefore when I was offered this opportunity to say anything I wanted to without interruption, I naturally agreed at once. Perhaps the best thing I could do would be to describe some of my experiences here, especially as a newcomer.

Like most newlyweds, I had decided to work to help meet expenses while my husband studied. So shortly after settling in to our new home, I began to look for a job. My first attempts ended up with my learning a basic economic axiom - the law of supply and demand. I had been contemplating teaching for a time, and thought since I had a degree in one of the sciences, I would like to do sciences in a secondary school. "The education office will embrace me with open arms", I thought. "After all, a graduate.....". Well, they didn't, because there are two things that Cambridge has in abnormal abundance - pubs and research students' wives with degrees (most of whom have teaching qualifications as well, which I don't). I was in supply, but not in demand!

Short of moving to Manchester, the next thing I tried was biological research in which I did have experience - over a year of it. The names, which I had been given by my boss in Canada proved unprofitable. But, upon looking in the local newspaper one evening I noticed one offered which might suit me. Accordingly I wrote to the address and shortly afterwards received a note asking me to come for an interview. This job was for a laboratory technician in virology. The interview went as follows, after the appropriate introductions to Dr. B.

Dr. B. "I understand you have a degree in Biochemistry, also that you have worked in research recently".

Me "That's correct. But I have had little experience in virology itself, although I have taken a half year's course in it".

Dr. B. "Yes. Well I am doing the following here,..... And the equipment is ... There are some very eminent people such as Is there anything else you would like to know?"

Me "Who would I be working for specifically and what would be the pay?"

Dr. B. "You would work for me only and the pay must be arranged through the superintendent according to university scales. I'll have a word with him now".

All this had already taken three-quarters of an hour during which he had done most of the talking. What a change! from a little cog to a big wheel in one revolution!

When Dr. B. returned he told me I was being offered 1/- a week more than usual because of my degree. I promised to give him an answer after the week-end when I had had a chance to think it over. On the way out Dr. B. said "Um er, uh do you have a family?" "No", I said. "Nor one in the next year I hope?" asked Dr. B. "No" I said again, explaining our reasons. "Right!" he said (a little doubtfully I thought). "I hope your answer will be favourable on Monday".

I accepted this post because it did sound interesting and was quite different to anything I had ever done. A few days later I found myself a new member of the laboratory. During the first hours Dr. B. took me around introducing me to people and things. And then we began the first experiment. At one point I was asked to go get a tin of sterilised "bungs". Now I ask you, what in heaven's name is a "bung"? It's a rubber stopper! Imagine my embarrassment in not knowing a very essential piece of scientific equipment.

In the next few minutes I found myself blushing. Do you know what a "teat" is? Well it is not what you are thinking. A teat was a rubber bulb commonly used in a medicine bottle. But still, think if you had been told (very calmly) "Please hand me the teat". My first thought was "So this is why he wanted to know if I had a family?"

As you can well imagine there were yet a few more such embarrassingly confusing incidents. But gradually I began to find my way around and we soon straightened out the "language" problem.

When one first starts on any new job there is always a certain amount of paper work to be done. It was the same here as well. But what a surprise it was to me to be called to the phone one day to explain the whereabouts of my National Insurance card. At that time I had been working three months. "What", I asked "is a National Insurance card?" The answer was "Get down to the local bureau of the Ministry of Pensions and National Insurance". This I did that afternoon. I was told that I should have had a card from the time I started work but that they would fix it up now. I was then asked what plan I wanted to go under as a married woman! Finally after much discussion and seeing several people I discovered that if I did not want a special pension after retirement age and if I did not want certain benefits if I became "in a family sort of way" (that question again), I could pay a low rate. But for this I would have to produce my marriage certificate which was in Canada. Well, to make a long painful story short, I received my card and paid the low rate but not before there had been many nasty and angry telephone conversations between myself and the university office which wanted my card.

But as a warning to anyone else, beware of such details - I was never able to recover the money I had paid up to then at the higher rate, despite many attempts.

And so time has passed. It is now almost two years since the last episode. In the meantime I have left this job and am teaching swimming privately. Why? Well, it's all tied up with a quality of the English character which can be its most frustrating and also its most lovable. This is the "cult of amateurism", the dogged determination not to encourage anyone to make a living at what he does best. This is, of course, completely alien to the North American mind, which boggles at the thought of making a retired Admiral the head of a municipal housing authority. (A newspaper reader asked if the logical next step was the appointment of an estate agent as Admiral of the Fleet). On the other hand, it fosters a climate of "trying anything once", and is responsible for the adventurous spirit which has built the Empire (now Commonwealth). Successive generations of amateurs have felt themselves compelled to "do their bit overseas", and if they have at times appeared somewhat muddled, the Commonwealth is nonetheless richer for their efforts.

What has all this to do with me and swimming? In my lab. job, I was a professional - doing the job I had been trained for and knew best. Therefore, I was considered slightly inferior to what I am now - still a professional, but in an amateur field, that of sport. This is still not completely acceptable, but you would be amazed (as I was) at the difference in attitude toward my work now and before. Even the pay is better!

And now if I was asked for my advice, which is quite unlikely, this is what I would answer:

- (1) have an open mind
- (2) look before you leap (especially concerning jobs)
- (3) be prepared to be always called "Mrs. - ", no matter how much you beg to be addressed by your first name.
- (4) have a British-Canadian dictionary.

Just to keep the facts straight, there still is no family!

Life in the Provinces

by C. B. Chapman

is Chapman is a 1962 Fellow from the University of Toronto. He spent his first year on application of computers to management problems at Ferranti Limited. For his second year he studied business economics in operational research at the University of Birmingham).

"Cambridge or Oxford?" the inevitable question when friends and acquaintances learned I was going to study in Britain. The consistency with which their eyes misted with sympathy or boggled with surprise when I replied "Birmingham" was alarming. I hereby testify that I survived, still have my health and sanity - and spent one of the most rewarding and enjoyable years of my life in good old Birmingham.

My reason for choosing the University of Birmingham was the course offered - and I was disappointed. The purpose of this effort is to dispel any anxiety in those who made a similar decision, and to provide a few comments on living in Britain.

The important thing is the people and not the place - a well worn phrase - but one to be in big letters above your shaving mirror when you arrive. Not that Birmingham is a desert - but the comforts of home may be somewhat evasive. Cold flats are a remarkable stimulus for socialising. Taken advantage of one can really enjoy discussions over a pint of beer or a cup of coffee, but being on your own can be a bit discouraging. Hence, if you haven't got a wife to keep you company, sharing a flat is a sound idea. Not only does it provide company and good times - it is a good way to obtain reasonable facilities economically. While it seems foolish on the surface to live with Canadians while in Britain, there are many advantages. Apart from sharing the same interests and outlook, the trip itself provides an ideal time to make friends with the other Athlones and form a group interested in sharing a flat, or a house if there are enough. If you get a place slightly bigger for the group you can get others to join you once you get sorted out and make some friends. Not only is Britain home for the British - you will have the opportunity to meet people from all over the world living in Britain.

Mobility is a considerable asset when living abroad, and if it can be managed, a car is invaluable, no matter how old and bruised. Even one car shared among friends is better than nothing. It is important not just for the convenience, but because you are usually inclined to go further afield, see more, and meet more people.

Holidays should be carefully taken advantage of. Not only do you have easy access to the Continent, there are many enjoyable spots in Britain. Scotland is good for skiing in the winter, particularly around Easter, and provides a well spent week socially well. The Lake District is good for a long weekend, with small keel boats for rent on Lake Windermere very reasonably, and riding nearby. A great week or weekend can be spent on the Thames in a hired cabin cruiser - not too expensive if you get enough friends to share.

You should never regret your decision to come to Britain. I hope you enjoy it as much as I have.

Appendix I

ATHLONE FELLOWS 1951-1964

NAME	YEAR OF FELLOWSHIP	UNIVERSITY	GROUP
Abbott, J. A. R.	1960	McGill	B
Adams, E. J.	1952	Toronto	B
Affleck, R. R.	1955	British Columbia	A
Aker, D. L.	1953	Manitoba	B
Allen, L. D.	1953	Alberta	A
Almond, J.	1952	Saskatchewan	A
Amyot, L.	1955	Ecole Polytechnique	A
Aplevich, J. D.	1964	Saskatchewan	A
Archibald, J. A.	1962	Nova Scotia Technical College	B
Ares, R.	1963	Ecole Polytechnique	A
Armour, J. M.	1951	Toronto	A
Armstrong, M. J.	1956	Toronto	A
Arnold, J. R.	1953	British Columbia	A
Arsenault, R. A. J.	1953	Ecole Polytechnique	A
Atkins, W. R.	1957	Alberta	B
Auld, E. G.	1961	British Columbia	A
Aziz, E. M.	1960	Western Ontario	A
Bach, G. G.	1952	Alberta	A
Bachovzeff, C.	1951	McGill	A
Bailey, C. M.	1963	McGill	A
Bailey, K. A.	1959	Manitoba	A
Ballance, R. C.	1954	New Brunswick	A
Barber, H. D.	1960	Saskatchewan	A
Barnard, P. R.	1960	Queen's	A
Barry, A. L.	1958	Queen's	B
Basso, G. L.	1958	Nova Scotia Technical College	A
Bate, D. L. S.	1954	Toronto	B
Bazergui, A.	1963	Ecole Polytechnique	A
Beck, H. R.	1952	Manitoba	B
Bedard, M. R.	1953	Laval	A
Belrose, J. S.	1953	British Columbia	B
Beneteau, P. J.	1953	Queen's	A
Bennett, R. A.	1955	Nova Scotia Technical College	A
Bessette, H.	1952	Ecole Polytechnique	B
Bigham, C. B.	1952	Queen's	A
Birdsall, D. L.	1962	British Columbia	A
Bjornsson, A. B.	1955	Manitoba	B
Blachford, C. W.	1953	Saskatchewan	A
* Bodroghy, B. G.	1958	Toronto	B
Boivin, F.	1951	Ecole Polytechnique	A
Bonar, L. G.	1959	Toronto	A
Borduas, Miss H. F. F. G.	1964	Ecole Polytechnique	A
Borenstein, S. R.	1958	McGill	A
Bouchard, L. H.	1964	Ecole Polytechnique	A
Bourassa, P.	1951	Ecole Polytechnique	A
Brabant, C. E.	1954	McGill	A
Bragg, G. M.	1962	Toronto	A

ATHLONE FELLOWSHIPS

NEWS LETTER No. 10

JANUARY 1966

THE ATHLONE FELLOWSHIPS SCHEME

Managing Committee in the United Kingdom

Julian Pode, J.P. (Chairman)
Douglas Logan, D.C.L., LL.D. (Vice Chairman)
G. S. Bosworth, M.A., M.I.Mech.E., M.I.E.E.
(British Electrical & Allied Manufacturers' Association)
J. H. Lawrence, F.C.A. (Scottish Engineering Interests)
F. E. Prior, M.I.C.E. (Federation of Civil Engineering Contractors)
D. D. Walker, M.A., M.I.E.E. (British Engineers' Association)
Professor H. E. M. Barlow, B.Sc., Ph.D., M.I.E.E., M.I.Mech.E., F.R.S.
(Senior Professor of Electrical Engineering, University College, London)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., M.I.E.E., F.R.S.E.
(Professor of Electrical Engineering, University of St. Andrews)
Professor S. C. Redshaw, D.Sc., Ph.D., M.I.C.E., M.I.Struct.E., F.R.Ae.A.
(Professor of Civil Engineering, University of Birmingham)
Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C.
(Professor of Chemical Technology, Imperial College of Science & Technology, London)
G. H. Doughty (Trades Union Congress)
Sir A. B. E. W. Logan, R.N. (Retd.) (Federation of British Industries)
J. F. C. Springford (The British Council)
H. F. Heinemann (Board of Trade)
C. Freedman (Department of Education & Science)
J. T. Hughes, O.B.E. (Commonwealth Relations Office)
T. H. McLean (Scottish Education Department)
F. E. A. Manning, C.B.E., M.C., T.D., B.Sc.(Eng.), M.I.Mech.E., M.I.E.E.,
I.Nuc.E. (Adviser)
T. W. Turner (Secretary)

THE ATHLONE FELLOWSHIPS NEWS LETTER NO. 10

FOREWORD BY SIR JULIAN PODE, J.P. (Chairman of the Managing Committee)

I am very glad to be able to introduce the News Letter for the seventh consecutive year.

Since the last News Letter, the Scheme has continued to operate as smoothly and successfully as ever. The 1965 group of Fellows duly arrived in September. There were forty-four of them this time, twenty-five of whom were accompanied by their wives. This brings the grand total of people who have won the award since it was instituted in 1951 to 584.

With 500 past Fellows now on our books, the Scheme has reached a stage when there is a substantial body of trained engineers in Canada who have spent some time with us through winning one of these awards. I am particularly glad to know that the Branch Associations in Canada are thriving. I see that the Ontario Branch has well over 100 Fellows living near enough to take part in its activities, and that several Fellows can now be employed by the same company. It must give a considerable feeling of community to a Fellow when he comes across a colleague who, like himself, has studied or worked on the other side of the Atlantic under the Scheme.

1966 is a year in which we hold the biennial Conference. I hope to be present, together with members of the Managing Committee and the officials who administer the Scheme.

It gives me great pleasure to be associated with the Athlone Fellowships. As the years go by I become more than ever convinced that it is fostering understanding between Britain and Canada in a way that benefits not only Britain's exports to Canada (though we are glad of that), but also reinforces the whole basis of the industrial and commercial relations between our two countries.

Julian Pode

NEWS LETTER NO. 10

The Managing Committee of the Athlone Fellowships Scheme have pleasure in presenting this News Letter to Fellows past and present and to all those interested in the Scheme in Britain and Canada.

The final reports submitted in 1965 by the 1963 Group of Fellows were particularly satisfactory.

To all the universities, firms and other establishments in Britain who maintain their interest in the Scheme by accepting Athlone Fellows, we express our sincere thanks and appreciation. To The British Council we owe a debt of gratitude for their services to the Fellows, not only at the time of their arrival but throughout their stay in Britain.

The Managing Committee also wish to record their gratitude to all those in Canada, the universities and in the engineering industries, who are contributing to the successful operation of the Scheme.

The 15th Group of Athlone Fellows arrived on 23rd September 1965, bringing the total number of awards to 584. The following table shows the relative distribution of training programmes since the Scheme started in 1951:-

	<u>Two years industry or industrial consultants</u>	<u>Two years university college or research establishment</u>	<u>Mixed Course</u>	<u>One year only * = univ. † = industry</u>	<u>Total</u>
1	8	21	9		38
2	4	18	13		35
3	16	11	10		37
4	10	10	16		36
5	8	12	17		37
6	1	21	16		38
7	2	28	6		36
8	-	20	18		38
9	-	27	14		41
10	1	27	12		40
11	1	29	10		40
12	-	21	18	1 *	40
13	2	18	21	1 *	42
14	1	24	13	4 *	42
15	-	14	26	4(3*, 1†)	44
	<u>54</u>	<u>301</u>	<u>219</u>	<u>10</u>	<u>584</u>

Of the 1963 Fellows who completed their Fellowships in 1965 and were scheduled to return to Canada, eighteen have remained in Britain under other arrangements to continue their work. The National Research Council of Canada have given financial support to many of these.

Athlone Fellowships Conference

The fifth Biennial Conference will be held in London in March 1966. Details will be circulated in good time to all those Fellows in Britain holding current Awards.

The 1965 Group

Of the new intake of 44 Fellows, four are one-year Awards. Fourteen of the total are programmed for two years at university and most of the remainder are scheduled for mixed courses at industry and university.

Athlone Fellows Associations

The officers of the three branches are:

Quebec: Réal A. J. Arsenault, (Adviser)
c/o Surveyer, Nenniger and Chenevert,
14420, St. Catherine West, Montreal. (Tel: 868-1731).

Bob Newey, (Secretary)
c/o Shawinigan Engineering Co. Ltd.,
620, Dorchester Boulevard West,
Montreal 2, P.Q. (Tel: 878-9311, Ext. 317).

Pierre Bourassa, (Treasurer)
c/o Banque d'Expansion Industrielle,
901, Victoria Square,
Montreal, P.Q. (Tel: 866-2701).

Claude Richard, (Chairman)
c/o Research Laboratories,
R.C.A. Victor Co. Ltd.,
Montreal. (Tel: 933-7551, Ext. 242).

Ontario: Dr. R. W. Missen, (Chairman)
Associate Professor of Chemical Engineering,
University of Toronto.

Ronald Taborek, (Secretary)
151, Jeffcoat Drive,
Rexdale, Ontario.

Manitoba: Rudolf H. Schilling, (Secretary)
Ste. 1-S, 1234, Pembina Highway,
Winnipeg 19, Manitoba.
(Also: Department of Mechanical Engineering,
University of Manitoba).

The Managing Committee would like to thank those who have contributed to this issue of the News Letter, and they would like to remind all past and present Fellows that contributions for the next issue are most welcome.

So that the Secretary can keep his records up-to-date, it would be helpful if ex-Athlones would notify changes of address for which a tear-off page is provided in this issue. Please send it to The Secretary, Athlone Fellowships, Board of Trade, 1, Victoria Street, London, S.W.1, England.

Fellows in Canada may instead write or telephone changes of address to any of the following British Government Offices:-

OTTAWA	80, Elgin Street.	237-1530
MONTREAL	635, Dorchester Boulevard West.	866-5863
TORONTO	200, University Avenue.	362-1223
VANCOUVER	Bank of Nova Scotia Building, 602, W. Hastings Street.	683-4421
WINNIPEG	4th Floor, 333, Broadway Avenue.	942-3153
REGINA	Room 207, Derrick Building, 2431, 11th Avenue.	517-6459
EDMONTON	Suite 600 Bank of Montreal Building, Jasper Avenue.	424-0481
ATLANTIC	5425, Spring Garden Road. Halifax. Nova Scotia.	422-7488

SELECTION TOUR FOR THE 1965 AWARDS

by F. E. A. Manning, C.B.E., M.C., C.Eng.
(Athlone Fellowships Adviser)

This time last year I did not expect to continue as Adviser beyond September 1965, I am very happy to be still doing that important work. I am therefore on the eve of another selection tour when writing these lines. I am looking forward with intense pleasure to meeting many who are by now great friends of several years standing and to attending the Board meetings when many fine young Canadian Engineers will be interviewed.

Those selected in 1964 for the 1965 Fellowships were well up to the high standard of most Fellows in recent years. All the twenty participating Universities presented candidates for "A" group Fellowships, and 32 of these were awarded, distributed among 14 Universities. One of these was not taken up by the applicant selected, but his decision to go to Australia instead of to Cambridge reached us in time for a reserve, and another Canadian University to accept. There were 12 awards to the "B" group of applicants, 8 for two years and 4 for one year. In all, a total of 44 Fellows from 14 Universities arrived in this country in September 1965, the highest number to arrive in any single year so far.

Of the 42 Fellows who came here in 1964, one returned home shortly after arrival, making it possible for 32 "A" awards to be made in 1965 instead of the 31 normally available. Two other "A" Fellows returned to Canada after taking their M.Sc. degree in one year, but we did not know of their intention in time to enable us to increase the number of "A" awards for the 1965 group. Two one-year "B" Fellows also left us in the final course, leaving 37 of the 42 '1964' group still in this country. There is now a total of 81 present holders of the Award in Britain. Sixty eight of these are in 14 British universities and 13 are in industry. The spread throughout Britain is reasonably good except that slightly more than usual, many of them married, have come to London, in spite of my warning words in last year's News Letter. For most Athlone Fellows, more personal supervision and excellent tuition and facilities will be found in London; also the cost of living for married Fellows is extremely high in London.

The number of wives, 25, who arrived in 1965 is the greatest in any year so far. The British Council took extra care to make them welcome. An indoctrination hour with some ladies from The British Council and some wives of '1964' Fellows proved immensely popular and will certainly be repeated for the next arrivals, probably with the time allotted to it.

I should perhaps mention here that where wives are envisaging working in Britain in professional capacity, e.g. as teachers or nurses, they should make application in good time, notifying their qualifications, so that they will know in advance what their position will be. Teachers should apply to the Department of Education and Science, Teachers Qualifications Branch, Government Buildings, Honeypot Lane, Stanmore, Middlesex, England; nurses to The General Nursing Council, 23 Portland Place, London, W.1., England, stating the name of the hospital where they did their training.

The booklets about the Athlone Fellowships have been revised to include those small changes that take place from time to time in the light of experience. To make sure you have read the latest issue, see that each of the two booklets has "Revised 1965" on the front cover. The larger booklet "The Athlone Fellowships - Experience in Britain" (Canadian Engineers) is known as the Red Book from its cover. It has a new set of photographs, in one of which an Athlone Fellow appears; and a new and much fuller list of one-year M.Sc. and Diploma courses notified to us by the leading U.K. universities

about the Athlone Fellowships, to give the up-to-date picture of the scheme as it now is, and of the opportunities available. It will be noticed that the engineering essence of the Fellowships is given slightly more emphasis. The smaller booklet, giving the conditions of the award and general information, has a bright yellow cover. It is intended only for those who succeed in getting a Fellowship and the book has not required the major re-writing carried out in the Red Book. The welcome news that the maintenance allowance has been given a modest increase was received while the Yellow Book was in proof stage and the new figure of £678 a year is therefore shown in the book. General Condition (11) concerning return to Canada on the expiration of the Award has been unchanged certainly for 9 years, and it also appears in very general terms on page 3 of the Red Book. It is, of course, a point of honour that such a Condition should not be broken and cases have been very rare indeed. It is a matter of real regret to me that two of the very few cases known have come to light in the last two months, and in one of them, a Fellow chosen during my tenure of the post of Adviser, was concerned.

ONTARIO BRANCH - ATHLONE FELLOWS ASSOCIATION

As this News Letter goes to print the Ontario Branch is in the midst of preparations for their Annual Fall Dinner timed to coincide with the visit of Mr. Manning the Athlone Fellowships Adviser. If the previous year's dinner is any criterion, the dinner can be expected to be a success with Fellows and their ladies coming from some of the remotest corners of the Province.

The Secretary of the Ontario Branch (Ron Taborek) reports that the Branch is showing signs of a healthy growth in numbers. They now have records of 123 Fellows in Ontario and 63 of these are close enough to Toronto to take an active interest in Branch activities.

In February 1965 the Athlone Fellows and their wives were the guests of Colonel and Mrs. I. C. Edwards of British Information Services at a cocktail party held in honour of the newest Fellows and from all reports it was a record turn-out.

The Branch Secretary reports that several Fellows employed by Atomic Energy of Canada Ltd. have recently moved from Deep River to Toronto to work on an advanced boiling, light water reactor. This reactor will power a 250 megawatt power station for Quebec Hydro, and promises to be even more efficient than the present series of reactors which culminated in the construction at Pickering, Ontario, of one of the world's largest nuclear generating stations. Fellows who have moved to Toronto for this project are Dave Smythe (1960), Ken Smith (1956) and John Sainsbury (1959).

De Havilland Aircraft of Canada employ several Athlones. These include Paul Church (1952) who was recently appointed Assistant to the Vice President of Research and Development; Roy Swanson (1956) who was put in charge of Structural Research; Ron Taborek (1960) who is Head of Operations Analysis and Tom Nettleton (1956) who is on long leave of absence for a Ph.D. from the University of Toronto, Institute of Astrophysics. It is pleasing to report that in the Fall of last year Tom delivered a paper at a joint meeting of the Canadian and American Aeronautical Institutes in Montreal.

Other snippets of news from the Branch show that J. L. Seychuk (1954) has been appointed a principal of H. Q. Golder & Associates Ltd. and L. R. Turner (1954) has joined T. D. S. Ltd. of Oakville to work on major contracts for various process industries.

The following officers have been proposed for 1965/66:-

Chairman	-	T. R. Nettleton
Vice Chairman	-	J. N. Smith
Secretary/Treasurer	-	R. J. Taborek
Social Convener	-	P. Church

REFLECTIONS ON THE NORTH OF ENGLAND

by Mr. J. L. Crosthwaite

(John Crosthwaite is a 1962 Fellow from the University of Manitoba. He spent the first year of his award on "Steam Turbines" at C. A. Parsons & Co. Ltd. The second year was spent at the University of Birmingham doing Thermodynamics)

"Newcastle-on-Tyne". What did that conjure up in one's mind? Immediately the expression "like taking coals to Newcastle", and so, with mixed feelings we arrived in "Geordie-Town" after our week of introduction in London. The Flying Scotsman from London to Edinburgh makes Newcastle its only stop before reaching Scotland and completes this first leg of 272 miles in exactly four hours. At times, speeds of close to 100 m.p.h. are hit and one literally has to hang on to one's seat in the swaying carriages.

A product of The Industrial Revolution, the vigorous rebuilding programme has now dispelled most of the truths or half-truths that still make the "Ignorant Southerners" shudder at the thought of this once-great coal mining centre. Much of the great coal mining is gone now, but the resourceful "Geordies" have turned their skills to some of the finest engineering in the world as we were soon to discover.

A Geordie is a Newcastler - for him there is no other definition, the word "Englishman" being inadequate, "Scotsman" an affront. He speaks a lingo that is unique and beautiful. A sing-song dialect that no Cockney can rival, it can roughly be described as half-and-half on the Scottish-English accent scale, (but don't tell a Geordie *that!*). A common sparrow becomes a "spuggy"; "Way aye man" denotes affirmation; "Ah diven' nah" is "I don't know". "Had away man!" means you're talking rubbish, and you can run, "tappey lappey doon the hill".

History leaps at you from all around Newcastle. The Romans were here, and left a great monument to their skills as engineers: Hadrian's Wall still crawls up and down the hills, zigzagging for more than 80 miles from the Solway Firth to Wallsend on the North Sea. You can go to Corstopitum and see the remains of a Roman bath-house or walk for miles along The Wall and look out, as no doubt many a Roman sentry did, upon the bleak Northumberland moors - beautiful in autumn under a cloak of purple heather. The Scots came once too often for the Romans, finally smashing through and inflicting a bloody massacre on them at Housesteads-on-the-Wall.

Centuries later, the Vikings came and they too left their mark to this day. Many towns have names ending in ..wyck or ..thwaite, Viking names, and if you take a bus ride to the beautiful Lake District you can go to the village of Crosthwaite, near Keswick, which is the only area in which I've never had to spell out for people all eleven letters in my name.

There are a thousand places to see; Flodden Field, where the English finally got lucky and beat the Scots; Bamburgh Castle - dramatic in its setting on the Northumberland coast; or Holy Island where St. Columba introduced Christianity to England and where they still brew authentic English mead from honey, a welcome pick-me-up after the hike of a mile across the sand to reach the island by foot when the tide goes out.

There is more, much more, and the north of England in its long and turbulent history has much to offer. It was a most wonderful year which inevitably drew to a close before all of it could be seen or appreciated.

ON A BICYCLE BUILT FOR TWO

by W. R. Tyson and his wife

W. R. Tyson is a 1961 Fellow from the University of Toronto. He spent his Fellowship at Cambridge University reading Metallurgy and stayed on until 1965 to take a Ph.D.)

"See sunny England!". No doubt some of us wince at the memory of a few days (or a few weeks?) of "cloudy with rain or scattered showers" weather. But the climate isn't *really* that bad, and this summer my wife and I decided that, instead of joining an annual trek south of the channel in search of sunshine, we'd poke about the pretty little villages, awe-inspiring cathedrals and lonely coasts of "this scepter'd isle". What's the best way to do that? Why, on a bicycle, of course!

So, one sunny morning in August we set off on our vintage tandem (one can be found sitting in a corner of almost any barn in Cambridgeshire). Our resolve: Canterbury or Cornwall or bust.

The country roads of England are ideal for cycling: paved, quiet and picturesque. Unfortunately, the motorists prefer the smoky traffic jams of the A roads and so we had to make do with the delights of the B roads to ourselves. We thought Kent particularly lovely, the hedges along the roadside draped with morning glories, the grain golden in the August sun and around each bend always another hop field (Vive la biere anglaise!).

In Canterbury we were impressed by the cathedral, of course, but the city had a delightful surprise in store for us in the little Saxon church of St. Martin. Augustine worshipped there, and the church boasts the longest continuous history of worship in Christendom. It's a pretty little church, and from the churchyard the view of the cathedral at sunset is magnificent.

On our way to Brighton we stopped at the parish church of Etchingham to indulge in our favourite hobby of ours: brass rubbing. It required a peculiar brand of fanaticism to actually enjoy spending two hours crouched on a cold cement floor scribbling away at a piece of paper, after cycling forty miles. However, we have a grand souvenir for our efforts!

We discovered on our bike that the Sussex Downs actually consist almost entirely of grassy ups. So we were ready for a rest when we arrived at Brighton, where a friend had invited us to stay for a few days.

The next bit of our route was very carefully planned: Chichester, Winchester and Salisbury were our stopping points - that way we managed to spend every evening in the shadow of a cathedral. En route to Chichester I found a marked increase in the power output of the back engine; we were forced to travel on a major road and the roar of motorbikes flying past frightened my wife into pumping furiously, just to get off the road as fast as possible! Conversely, cycling past the beautiful scenery elsewhere had the opposite effect: the back half enjoyed herself so immensely that she entirely forgot she was supposed to be working.

From Salisbury we made an evening excursion to Stonehenge, which we found very impressive in the steady drizzle that had developed by the time we got there. We decided, afterwards, that the sight was worth the soaking, but it would've been hard to convince us at the time!

We had gorgeous weather at the start of our trip, but, unfortunately after

refuge on a British Railways baggage car for some stretches of the route. At Plymouth we were drenched merely crossing the harbour; we returned without even leaving the ferry, resigned to taking the train again.

Undaunted, although a little wet, we intrepid travellers finally arrived one evening in Penzance. From there we made an excursion to the north coast and the tip of Cornwall, stopping at Land's End to clamber on the rocks and gaze pensively at Longships Lighthouse. We'd had a thoroughly enjoyable ten days touring in the open air through some of the most beautiful countryside in the world. We'll always remember the friendly pubs, the ancient parish churches, the winding, flower-lined roads and the magnificent cathedrals from Chichester's stocky Norman strength to Salisbury's soaring Gothic beauty.

But, when people cheer us on as we cycle by, we just wish they'd chant something a little more original than "Daisy, Daisy".

ATHLONE FELLOWSHIPS

NEWS LETTER No. 11

JANUARY 1967

THE ATHLONE FELLOWSHIPS NEWS LETTER No. 11

FOREWORD BY HIS EXCELLENCY THE HIGH COMMISSIONER FOR CANADA IN THE UNITED KINGDOM, THE HON. LIONEL CHEVRIER, Q.C.

I am very pleased to have this opportunity to contribute a preface to the Athlone Fellowships News Letter for 1967 because the year marks a most significant stage in the growth of our country.

One hundred years ago there was but a small collection of British colonies on the Atlantic coast of Canada. In 1867 four of them, Nova Scotia, New Brunswick, Ontario and Quebec combined to form a Confederation of the Dominion of Canada, and in 1967 we celebrate the Centennial of that occasion.

Canadians everywhere will find new pride in the Centennial, not so much because it marks a birthday in a mature nation, but because it provides an opportunity to look back, by examining the past, plan the future better.

Athlone Fellows, (past, present and those to follow) have a special part to play in the development of this great country of ours, for it is upon men like you with high technical, academic and managerial skills that Canada will depend for her prosperity and progress. The Athlone Fellowship scheme which, since its inauguration in 1951, has brought more than 600 Canadian engineers to Britain for post-graduate studies or practical experience, and returned them to Canada to follow their chosen careers, provides these technical and cultural links between Canada and the United Kingdom. These links, I am sure, consolidate the goodwill and understanding that have for so long existed between the two countries.

The generations that have gone before have left the Canadian people a great heritage and it is up to those of us who follow to match their spirit of faith, optimism and confidence.

Lionel Chevrier

LETTRE CIRCULAIRE DES BOURSES ATHLONE, 1967

AVANT-PROPOS PAR SON EXCELLENCE LE HAUT-COMMISSAIRE DU CANADA AU ROYAUME-UNI, L'HONORABLE LIONEL CHEVRIER, C.P., C.R.

1967 représente une étape importante dans le progrès qu'a réalisé notre pays. C'est pourquoi je suis heureux de l'opportunité qui m'est donnée de présenter la lettre circulaire des bourses Athlone pour l'année 1967.

Il y a 100 ans, il n'y avait qu'un petit groupe de colonies britanniques sur la côte Atlantique du Canada. En 1867, quatre d'entre elles, la Nouvelle-Ecosse, le Nouveau-Brunswick, l'Ontario et le Québec, se sont réunies pour former la Confédération du Dominion du Canada, et en 1967 nous célébrons le centenaire de cette confédération.

Les Canadiens de par le monde vont trouver une nouvelle fierté en ce centenaire, non pas tellement parce qu'il marque l'anniversaire d'une nation qui est arrivée à un âge adulte mais parce que ce centenaire nous fournit l'occasion de regarder en arrière et en tirant leçon du passé, il nous aide à préparer l'avenir.

Les boursiers Athlone (tant présents que passés et à venir) ont un rôle tout particulier à jouer dans le développement de ce grand pays qui est le nôtre. La prospérité et le progrès du Canada dépendent d'hommes comme vous, dotés de grandes connaissances techniques, universitaires et administratives. Depuis que les bourses Athlone ont été fondées en 1951, plus de 600 ingénieurs canadiens ont fait des études postuniversitaires ou des stages en Grande-Bretagne. Ceux-ci sont retournés au Canada et contribuent par leur travail à des relations étroites entre le Canada et le Royaume-Uni. Je suis convaincu que ces relations contribuent à la bonne volonté comme aux relations étroites qui existent depuis si longtemps entre nos deux pays.

Les générations qui sont venues au Canada ont laissé au peuple canadien un grand héritage, et c'est à ceux qui les suivent d'être à la hauteur de leur esprit de foi, d'optimisme et de confiance.

Lionel Chevrier

Sir Julian Pote, J.P., Chairman of the Athlone Fellowships Managing Committee retired from the Chairmanship after serving for seven years. During this period as seen nearly 300 Athlone Fellows come to Britain under the scheme and has displayed vely interest in their welfare and progress. The Board of Trade are most grateful ir Julian for the time and energy which he has given to the scheme. Sir Julian's essor will be announced later.

To all the universities, firms and other establishments in Britain who maintain r interest in the scheme by accepting Athlone Fellows, we express our sincere thanks appreciation. To the British Council we owe a debt of gratitude for their continued ices to the Fellows, not only at the time of their arrival but throughout their stay ritain.

The Managing Committee also wish to record their thanks to all those in Canada, in universities, the engineering industries and in the British Government Offices, who contributing to the successful operation of the scheme.

The 16th group of Athlone Fellows arrived on 24th September, 1966 bringing the total er of awards to 628. The following table shows the relative distribution of train-programmes since the scheme started in 1951:

	<u>Two years industry or industrial consultants</u>	<u>Two years university college or research establishment</u>	<u>Mixed Course</u>	<u>One year only * = univ. † = industry</u>	<u>Total</u>
51	8	21	9		38
52	4	18	13		35
53	16	11	10		37
54	10	10	16		36
55	8	12	17		37
56	1	21	16		38
57	2	28	6		36
58	-	20	18		38
59	-	27	14		41
60	1	27	12		40
61	1	29	10		40
62	-	21	18	1 *	40
63	2	18	21	1 *	42
64	1	24	13	4 *	42
65	-	23	12	9(8*, 1†)	44
66	1	23	18	2 *	44
	<u>55</u>	<u>333</u>	<u>223</u>	<u>17</u>	<u>628</u>

Of the 1964 group who completed their Fellowships in 1966 and were scheduled to rn to Canada, eighteen have remained in Britain under other arrangements to continue r work. The National Research Council of Canada have given financial support to r of these.

1966 Group

Of the new intake of 44 Fellows, two are one-year Awards. Twenty three of the 1 are programmed for two years at university and most of the remainder are scheduled mixed courses at industry and university.

Athlone Fellows Associations

The Officers of the three branches are:

Quebec: Claude Richard (Chairman)
c/o Research Laboratories,
R.C.A. Victor Co. Ltd.,
Montreal. (Tel: 933-7551)

Bob Newey (Secretary)
c/o Shawinigan Engineering Co. Ltd.,
620, Dorchester Boulevard West,
Montreal 2. (Tel: 878-9311)

Pierre Bourassa (Treasurer)
c/o Banque d'Expansion Industrielle,
901, Victoria Square,
Montreal. (Tel: 866-2701)

Réal A.J. Arsenault (Adviser)
c/o Surveyer, Nenniger and Chenevert,
14420, St. Catherine West,
Montreal. (Tel: 868-1731)

Ontario: Jim Smith (Chairman)
Assistant Professor,
University of Toronto.

Ron J. Taborek (Vice Chairman)
151, Jeffcoat Drive,
Rexdale, Ontario.

Al M. Drummond (Secretary/Treasurer)
Apt. 102, 80, Grandravine Drive,
Downsview, Ontario.

Paul B. Church (Social)
de Havilland Aircraft of Canada Ltd.,
Downsview, Ontario.

Manitoba: Rudolf H. Schilling (Secretary)
1199, McMillan Avenue,
Winnipeg 9.
(Also: Department of Mechanical Engineering,
University of Manitoba)

So that records can be kept up-to-date, it would be helpful if ex-Athlones would notify changes of address for which a tear-off page is provided in this issue. Please send it to The Secretary, Athlone Fellowships, Board of Trade, 1, Victoria Street, London, S.W.1., England.

Fellows in Canada may instead write or telephone changes of address to any of the following British Government Offices:

OTTAWA	80, Elgin Street.	237-1530
MONTREAL	635, Dorchester Boulevard West.	866-5863
QUEBEC CITY	100, D'Youville Square.	525-5187
TORONTO	200, University Avenue.	362-1223
VANCOUVER	Bank of Nova Scotia Bldg., 602, West Hastings Street.	183-4421
WINNIPEG	333, Broadway Building.	942-3151
REGINA	Derrick Building, 2431, 11th Avenue.	527-8459
EDMONTON	Bank of Montreal Bldg., Jasper Avenue.	424-0481
ATLANTIC PROVINCES	Centennial Bldg., 1645, Granville Street, Halifax, Nova Scotia.	422-7488

SELECTION TOUR FOR THE 1966 AWARDS

by F. E. A. Manning, C.B.E., M.C., C.Eng.
(Athlone Fellowships Adviser)

Owing to the premature departure of five of the 1965 Year Fellows being notified to in good time, we were able to award a total of 44 Fellowships for 1966 without over-riding. The Interview Boards which met in the fall of 1965 were held in 18 participating Universities. These Universities presented a total of 96 "A" group candidates and eventually 36 of these Fellowships were awarded, distributed among 14 Canadian Universities. There were 34 applicants for "B" awards, but not so many as had reached the standard of the "A" applicants. Since 3 "B" Candidates declined offers, only 8 awards were finally made in this group, 2 being for one-year Fellowships.

Three of the "A" candidates in the first list of awards also declined and so did 2 of the reserves when their turns came. Usually none or only one of the reserves secures a Fellowship, but this year every reserve had an offer. This does not mean any lowering of our standards, for we always have several more excellent candidates than we have places to offer. One of our applicants to whom we offered a Fellowship was also offered and decided to accept a Commonwealth Scholarship, which award pleased me as an indication that Athlone applicants are no longer at a disadvantage when they apply for Commonwealth Scholarships. In spite of some disappointment at so many refusals of Fellowships from those on the first list, I was glad that replies with only one exception, were prompt and so we were able to make offers to reserves fairly quickly. Nevertheless, some difficulty was experienced in fixing the desired programmes and, in fact, one was only settled just a week before the Fellow arrived in this country. Correspondence MUST be by Air Mail!

A total of 44 Fellows arrived in September 1966. There are 38 from the 1965 intake still in this country, so the total number of Athlone Fellowship holders in the United Kingdom for the year 1966-1967 is 79. Of these, 62 are in 15 different Universities or Colleges and 17 are gaining experience in industry. I have already mentioned that five of the 1965 year Fellows departed prematurely: that is to say, after completing a 12 month University programme. Two of these were "B" Fellows with children, who might have opted for a one-year Fellowship in the first place. One of the "A" Fellows has gone to France for a business course and the others have jobs to go to in Canada. The other Fellows at this year's biennial conference gave those who had accepted a two-year Fellowship and proposed to abandon it after one year a hot and strong verbal castigation for dishonouring their obligations and I believe that this lashing played some part in a change of heart of yet another "A" Fellow who withdrew his written decision to go home after one year and will now stay to complete work for a Ph.D. degree.

I am glad to record that we have a Fellow at Cranfield again after a lapse of seven years. The (sadly misnamed) College of Aeronautics at Cranfield used to be popular with Athlone Fellows but it is not yet a degree-giving college, though it may well be one in the future, and so has declined in attractiveness for Athlone Fellows, who now want to obtain at least a Master's degree out of their graduate studies. Several Colleges of Advanced Technology have become Universities in the last 12 months, and I am particularly glad that five Athlone Fellows have just started at The City University, for this is the status of my own old College, previously known as the Northampton College of Advanced Technology London, one of the finest institutions of its kind in the United Kingdom. I would urge new Fellows to study carefully Appendix No. 1 (September 1966) to the Red Book "Experience in Britain for Canadian Engineers", which gives as much information as could be collected in time about 12 month opportunities in the new Universities, as well as

some added opportunities in the old ones. The new Universities have also Research facilities for 2-year (or longer) periods leading to higher degrees by Research. I am very willing to give advice on places offering special facilities when I know in some detail what Fellows really want. I also intend to give advice against the Fellows' choice if experience has shown that alternatives available are more suited to Athlone Fellows.

I visited Calgary, Loyola and Sir George Williams Universities and the Athlone Fellowships Managing Committee have decided to add the names of Calgary and Sir George Williams to the list of participating Canadian Universities. I shall visit other Universities during my 1966 travels and in future years, but no more are expected to seek recognition for Athlone Fellowship purposes during 1967.

ONTARIO BRANCH - ATHLONE FELLOWS ASSOCIATION

The Secretary reports that the Ontario Branch is still on the increase with 147 members on record. Toronto is the main centre of activity but occasionally members participate in a social event from as far away as Kirkland Lake (about 400 miles) and Port Elgin (150 miles). Ottawa and its vicinity draws together a second group of Athlones, mainly employed at the National Research Council and the Atomic Energy of Canada, Limited.

The members enjoyed two social events for the year. In May, Mr. & Mrs. J. B. Whittington of the British Trade Commission held a cocktail party in honour of the New Fellows. The fine spring weather allowed the guests to enjoy the garden and terrace as well as the hospitality of the Whittington's home. The evening was a remarkable success with 110 attending.

Mr. Manning's visit to Toronto on November 12 was again the occasion of the Branch annual dinner and in contrast to past dinners, it was planned as a "Stag Night". The guest speaker was Mr. N. E. Rowe, Vice-President of Engineering at de Havilland Aircraft, who spoke on "Air Safety of Scheduled Air Transport". Those Fellows who studied water at the University of London, may be interested to know that Mr. Rowe did graduate study in that course in 1924. Since then he has had a distinguished career in the British and Canadian Aircraft Industries.

It would seem that interest in the Fellowship is mounting from the increasing number of queries that the older Fellows are receiving from prospective applicants. Editor: I am glad to see it). This always leads to a bit of nostalgia when one recounts adventures in Britain.

The following Officers have been proposed for 1966/67:

Chairman	-	Jim Smith
Vice-Chairman	-	Ron Taborek
Secretary/Treasurer	-	Al Drummond
Social Convener	-	Paul Church

MISCELLANY

1. Athlone Fellow, Ronald D. Weir (1963 Fellow from the University of New Brunswick) was awarded the Rudolf Lessing Medal in 1966 while working on his Ph.D. at Imperial College. The Medal is awarded to a postgraduate student for original work of exceptional merit in the field of Chemical Engineering. An article by Mr. Weir appears elsewhere in this edition.

2. Athlone Fellows newly arriving in Britain continue to say that the cost of living in London, particularly, is much higher than they expected. It is stated that London is as expensive as Toronto.

3. A great proportion of the wives of Athlone Fellows are either nurses or teachers. Any wives who intend to follow these professions in Britain should get clearance from the proper authority here as soon as possible. Nurses should apply to The General Nursing Council, 23, Portland Place, London, W.1., England, stating the name and address of the hospital where they did their training; teachers should apply to the Department of Education and Science, Teachers Qualifications Branch, Government Buildings, Honeypot Lane, Stanmore, Middlesex, England.

4. Seventeen of the 1964 year Fellows applied to the National Research Council of Canada for assistance to stay in the U.K. after the completion of their two-year Athlone Fellowship and 14 were granted awards. It is advisable for any Fellow who thinks he will stay in Britain for further study after the expiry of his Fellowship to get in touch with Dr. J. Bruce Marshall, the Awards Secretary of the N.R.C. in Ottawa before he leaves Canada.

5. Our indefatigable Adviser has recently analysed our records of the first 584 Athlone Fellows and some figures may be interesting. We do not know what 76 (13%) are now doing because they have not kept in touch; we should welcome information. 254 (43.5% of the total) are in Canadian industry and 79 (13.5%) are teaching in Canada, all but one or two in Universities. Thirty-three (5.7%) are in Government service in Canada. The 103 (17.6%) known to be in the United Kingdom include, of course, the 81 holders of current Athlone Fellowships at the time of the analysis and nearly 20 still working for the Ph.D. degree, mostly on N.R.C. awards.

6. Appendix No. 1 (September, 1966) has been issued as a supplement to the Athlone Fellowships Red Book, "Experience in Britain for Canadian Engineers, revised 1965". This Appendix gives a list of many additional opportunities to obtain a Master's degree or a Diploma in 12 months, and is well worth careful study. In addition to one completely new university at Warwick (where Automobile Engineering is a speciality), there are eight former Colleges of Advanced Technology that have received their charters as universities in the last 12 months. One Royal College which will be a university within the next year is also listed. These are all of high standing and offer top-ranking opportunities in various fields of study away from the most expensive areas of London. They also have smaller graduate schools than some of the older universities and thus supervisors are more readily accessible.

7. Book Allowance. Hitherto it has been necessary for a Fellow to obtain the support of his supervisor when purchasing a book costing more than £5. This limit has now been raised to 7 guineas. The annual maxima of £28 for those in university and £14 for those in industry remain unchanged.

8. Mr. T. W. Turner, Secretary to the Athlone Fellowships Managing Committee was awarded the M.B.E. in the 1966 Birthday Honours.

NEW FELLOWS MIGHT FIND THIS USEFUL

by Mr. Ian H. Rowe

Mr. Rowe is a 1964 Fellow from the University of Toronto. He spent his Fellowship at Imperial College doing Automatic Control and is staying on for a Ph.D.)

British line voltage standards range from 220 to 250 volts. Most of London is standardized at 240 volts while some remaining areas at 230 volts are being converted to 240. The frequency is 50 cycles per second.

Canadian transformers, nominally 115/230 volt rating at 60 cycles, run somewhat warm at the higher voltage and lower frequency. Hence for continuous operation, e.g. electric blankets, the transformer rating should exceed the load rating.

I operate my electric shaver and electric blanket from a Hammond type 170B transformer, 200 VA rating. It can be ordered from any Canadian electronics supply house such as CESCO. Supplied without a base and outlet, it is cheaper than a conventional transformer.

As gas cooking facilities predominate in Britain, it is advisable to leave the electric kettle at home. It is cheaper and faster to heat with gas. Lamps should not be left at home. The sockets are different and the bulbs will not last at a transformed voltage probably in excess of 120 volts. I bought an adjustable desk lamp for £1.

For heavier appliances, (frying pans, irons, toasters), a 1.5 KVA unit is required. I bought a new step-up transformer at a surplus store in Toronto for \$9.00 which I am using backwards. That is, I connected the 220 volt secondary winding to the 240 volt plug.

Surplus stores in London occasionally carry step-down transformers (without Canadian sockets). Look in the advertising pages of radio magazines for shops in Mare Road or Tottenham Court Road, London. In the same area radio supply shops carry replacement idler wheels of the right diameter for converting Garrard or Collaro record players from 60 cps to 50 cps operation.

The electrical outlets in some older flats are rated at 5 amperes which is inadequate to run a 1500 watt appliance load. Dry cells are cheap here; a flashlight battery is about sixpence. Mercury cells for camera flash guns are not common and expensive.

BENIGHTED

by Mr. R.D. Weir, Ph.D.

(Ronald Weir is a 1963 Fellow from the University of New Brunswick. He spent the two years of his Fellowship at Imperial College on Chemical Engineering and with the help of a scholarship from the National Research Council of Canada, stayed on to take his Ph.D. Whilst at the College Mr. Weir was awarded the Rudolf Lessing Medal for 1966 for original postgraduate work of exceptional merit in the field of Chemical Engineering.)

I have been called demented and benighted. People have laughed at me for the many hours of queuing for tickets at the Royal Opera House. It has been said that some people will queue for anything. Maybe so, but the discomforts of the pouring rain have brought rewards of tickets to magnificently staged productions of both opera and ballet. When I came to London, I questioned the necessity of standing all night for tickets. I have since learned that for many productions, it is essential. One can always take a chance by postal booking but it is only a chance; the queue, sometimes unpleasant, is a certainty for good seats.

The longest during my time here was the four day and four night job for Miss Callas (Tosca). I understand that this is not a record. Since the war there has been a five day, five night marathon on two occasions - once for the tenor Gigli and once for the Bolshoi. This may stand as the record, for in the past year the police have advised that the line should not begin to form before midnight of the morning the box office opens. The warning has not deterred the maniacs. At the recent queue for the Kirov Ballet, bodies began congregating three days before. The resulting scuffle with the police from Bow Street station ended in a battle of wits. The frustrated police gave up. These performances in September, 1966, will be our last at Covent Garden for a while.

For those not familiar with the system, the queue is arranged by those queuing and not by the R.O.H. The first along places his name as number one on the "queue list". Those joining subsequently place their names on the list which is usually kept by number one. This numbered list retains your place in the queue since no one, not even the British, can be expected to stand in a rigid line for four days! Regular checks by number one prevent those slinky ones, who pop home to bed, from keeping their names on the list. Three queues are formed for the various parts of the house. There is one each for the Amphitheatre front and rear, accounting for some 800 seats, while the third is for the rest of the house, about 1,500 much more expensive seats.

Personally, I never queue without musing on the different types of persons who are there. There are the young, to whom it is a novel adventure, and the elderly, for whom it is a boring routine. One regular lady participant has seen nearly every ballet production since 1931, the Vic-Wells company as it then was. Even the stray American tourist wanders past enquiring in a voice that resounds to Leicester Square, "What cha all queuin' for". The reply, "For the box office which opens next week, mate" bewilders him and he staggers away muttering "Gee".

Having signed the list, many stake their claim in doorways along Floral Street and unload their paraphernalia which seems to include everything but a marquee. The bodies are littered everywhere and the heavy lorries from the Covent Garden market roll past only inches from the boots of those sleeping. During the shorter queuing sessions

olving only one night, I preferred not to sleep but to meander through the market area which springs to life after midnight and is busiest around 5 a.m. The aisles and aisles of flower displays are resplendent, so much so that on occasion, I have succumbed to buying four-foot potted lilies at 5.30 a.m. - bulk quantity since they're wholesale! The loading of the lorries with the fruit and veg. is an art. They are packed heavily and stacked high, but miraculously, they are rarely spilled.

By 7 a.m. the line is formed in accordance with the numbered queue list to await the appearance at 8.30 of an impressive moustached man from inside the R.O.H. with a stack of numbered cards, one of which is handed to each queuer. The numbered card states the time you are to return to the box office to purchase tickets. Beginning at 10 a.m. the box office deals with about 25 queue cards hourly and no person can purchase tickets without one. When all the queue cards have been processed, which often takes up the whole morning, booking is then opened to the general public.

Having returned to the box office for 10 a.m. the end is in sight. At last the queue is signed and the tickets handed over. With a final recheck of dates, I possessively clutch the yellow pieces of paper and head triumphantly home to a welcome shower.

HELLO, GOONHILLY

by Mr. Gerard Terreault

(Gerard Terreault is a 1964 Fellow from Ecole Polytechnique. He spent his first year at the University of Birmingham on the one-year M.Sc. course in Information Engineering. The second year was spent at the G.P.O. Research Station, Dollis Hill, London.)

After a year spent at the University of Birmingham, I went to the G.P.O. Research Station in North London for my second year. Following the steps of another Athlone Fellow, Tom Nickerson, I joined the Satellite Communication Group, not for the glamour of Space Research, but for some experience in microwaves.

Early Bird has brought us sound and pictures from all over the world. These satellites are however mainly used to provide international telephone circuits. For the time being, summer 1966, the satellites in use can link only two ground stations at a time such as Goonhilly in Cornwall and Mill Village, Nova Scotia. It would be useful to have a number of stations in different countries sharing the same satellite. For instance, a satellite "parked" over the Atlantic sees one third of the earth and could link Europe, Africa, North and South America. The satellites would then be fully used and therefore cheaper to operate.

The team I joined designed test equipment to measure the effect of transmitting a number of signals through the output amplifier of a satellite. The interaction between these signals in such a non-linear device appears as noise in the subscriber's set and is known as intermodulation. The level of this noise was measured under different conditions of loading to determine how many channels of telephone conversations, or colour television, could be relayed by the transponder with the noise level kept below an international standard.

I thought I had changed profession, lost as I was in the middle of that "Plumber's Delight" otherwise known as waveguides, cross-couplers, pads and bends.

Even when everything is reassembled, one is still not able to take measurements. Now the real problems are waving at you; you have to give life to your brainchild and he must be in perfect health. As soon as one bit is debugged, another one goes wrong. You wonder for hours why you have lost a signal; you twiddle knobs, read dials, poke your finger inside a black box, kick it - nothing happens. Finally after lengthy discussions you discover that you pulled out the mains plug in the morning.

One of the highlights of the year was the visit to Goonhilly Downs, at the tip of Cornwall, where the big dish, 85 feet across, is looking at the sky. One morning I left Paddington on the Cornish Riviera Express, and seven hours later Truro was welcoming me. From there I was driven to Goonhilly. It was already dark and hazy; the car was rushing at 30 m.p.h. on those winding highways, guided by the 6 feet high stone walls bordering the road.

Then the road widened and there it was; the aerial was glowing under the lights. It was still and quiet outside; the ear was listening to a new star, Early Bird. On the other hand the control room was busy; a large panel was covered with a rainbow of lamps, dials, and knobs. The 100 feet high steel and concrete structure was tamed by

e tiny transistors of the computer. The aerial being fully steerable can move swiftly track a low orbit satellite, or can be kept still, pointing at a synchronous satellite, either case with an accuracy better than a few minutes of arc.

After two days, the visit was over. Fortunately on that Saturday morning it was rm and sunny and turning my back on London, I headed towards Penzance rolling up and wn hills. But it couldn't last and too soon it was London again.

TEAR OFF PAGE

Name _____ Date _____

Year of Fellowship _____ Canadian University _____

Address in Canada _____

Name and Address of employer _____

Present appointment and nature of work _____

Any promotion in employment since returning to Canada or since the last report

CHANGES OF ADDRESS OR ANY INFORMATION ABOUT FELLOWS WITH WHOM WE HAVE
LOST TOUCH (MARKED * IN APPENDIX I) MAY BE TELEPHONED TO THE
NEAREST OFFICE OF THE BRITISH TRADE COMMISSIONERS IN CANADA.

PLEASE RETURN TO: THE SECRETARY, ATHLONE FELLOWSHIPS, BOARD OF TRADE,
1, VICTORIA STREET, LONDON, S.W.1.

ATHLONE FELLOWSHIPS

NEWSLETTER No. 12

JANUARY 1968

THE ATHLONE FELLOWSHIPS

Managing Committee in the United Kingdom

Sir Maurice Fiennes, C.Eng., M.I.Mech.E., (Chairman)
Sir Douglas Logan, D.C.L., LL.D., (Vice-Chairman)
Professor H. E. M. Barlow, B.Sc., Ph.D., M.I.E.E., M.I.Mech.E., F.R.S.
(Pender Professor of Electrical Engineering, University College, London)
Mr. G. S. Bosworth, M.A., M.I.Mech.E., M.I.E.E.
Miss K. E. Boyes (Board of Trade)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., F.I.E.E., F.R.S.E.
(Professor of Electrical Engineering, University of Dundee)
Mr. G. H. Doughty (Trades Union Congress)
Mr. J. R. T. Douglas, B.Sc., (Federation of Civil Engineering Contractors)
Mr. C. Freedman (Department of Education & Science)
Mr. J. H. Lawrence, F.C.A. (Scottish Engineering Interests)
Captain B. E. W. Logan, R.N., (Retd.) (Confederation of British Industry)
Mr. F. E. A. Manning, C.B.E., M.C., T.D., B.Sc.(Eng.), C.Eng. (Adviser)
Mr. V. C. Martin (Commonwealth Office)
Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C.
(Professor of Chemical Technology, Imperial College of Science & Technology)
Mr. R. A. F. Sherwood (The British Council)
Mr. D. D. Walker, M.A., M.I.E.E., (British Mechanical Engineering Federation)
Mr. I. M. Wilson (Scottish Education Department)

Mr. T. W. Turner, M.B.E., (Secretary)

ATHLONE FELLOWSHIPS NEWSLETTER

FOREWORD BY SIR MAURICE FIENNES, C.ENG., M.I.MECH.E.
(CHAIRMAN OF THE MANAGING COMMITTEE IN THE UNITED KINGDOM)

When the President of the Board of Trade invited me to become Chairman of the Managing Committee last year, I was very pleased to accept not only because the Companies of which I am Chairman and Managing Director have links in Canada, but also because I am an engineer and keenly interested in technological education.

Modern industrial methods present a challenge to all engaged in industry; developments happen so quickly that we must get as much training and experience as we can, not only to fit us for the job in hand but to enable us to adapt to new situations. Particularly, we are always looking for new and better techniques, and for the application of research and new knowledge in day-to-day activities. The Athlone Fellowships Scheme provides such opportunities for Canadian engineers to tap the resources which U.K. industrial organisations and universities have to offer and I wish the scheme continuing success.

I have already had the privilege and pleasure of meeting many of the Athlone Fellows who started their awards in 1967 and I trust another opportunity will arise in April this year when the biennial conference in London will bring us all together for one day to discuss how the scheme is working.

NEWSLETTER No. 12

Sir Maurice Fiennes, the new Chairman of the Athlone Fellowships Managing Committee, is Chairman and Managing Director of Davy-Ashmore Ltd. of Sheffield. We are most grateful to him for accepting the Chairmanship in the face of all his other commitments in the business world.

The Managing Committee wish to record their thanks to all the institutions in Britain who continue to co-operate in the Athlone scheme. In Canada, also, there is a great deal of work done by the universities, the engineering industries and the British Government Offices, and the Managing Committee express their appreciation for the help that is given to make the scheme a success.

The 17th group of Athlone Fellows arrived on 12th September, 1967, bringing the total number of awards to 673. The following table shows the relative distribution of programmes since the scheme started in 1951:

	<u>Two years industry or industrial consultants</u>	<u>Two years university college or research establishment</u>	<u>Mixed Course</u>	<u>One year only * = univ. † = industry</u>	<u>Total</u>
1951	8	21	9		38
1952	4	18	13		35
1953	16	11	10		37
1954	10	10	16		36
1955	8	12	17		37
1956	1	21	16		38
1957	2	28	6		36
1958	-	20	18		38
1959	-	27	14		41
1960	1	27	12		40
1961	1	29	10		40
1962	-	21	18	1 *	40
1963	2	18	21	1 *	42
1964	1	24	13	4 *	42
1965	-	23	12	9(8* 1†)	44
1966	1	21	15	7 *	44
1967	-	26	15	4(3* 1†)	45
	<u>55</u>	<u>357</u>	<u>235</u>	<u>26</u>	<u>673</u>

Of the 1965 group who completed their Fellowships in 1967 and were scheduled to return to Canada, sixteen have remained in Britain under other arrangements to continue their studies. The National Research Council of Canada have given financial support to some of these.

The 1967 group

The new intake numbered 45. Twenty-six of these are scheduled to spend the whole of their two years at university working for higher degrees. Fifteen have elected to do one year in university and one in industry. The remaining four Fellows are 1-year men three of whom are going to university and one to industry.

Athlone Fellows Associations

The Officers of the three branches are:

Quebec:	Claude Richard (Chairman) c/o Research Laboratories, R.C.A. Victor Co. Ltd., Montreal. (Tel: 933-7551)
	William F. Hayes (Secretary) c/o Aviation Electric Ltd., 200 Laurentian Boulevard, Montreal.
	Pierre Bourassa (Treasurer) c/o Banque d'Expansion Industrielle, 901, Victoria Square, Montreal. (Tel: 866-2701)
	Réal A. J. Arsenault (Adviser) c/o Surveyer, Nenniger and Chenevert, 1440, St. Catherine West, Montreal. (Tel: 868-1731)
Ontario:	Jim Smith (Chairman) Associate Professor, University of Toronto.
	Jim Dooley (Vice-Chairman) 170, Manor Road E., Toronto, Ontario.
	William M. Rayner (Secretary/Treasurer) 2107, Deyncourt Drive, Burlington, Ontario.
	Paul B. Church (Social) 417 Thessaly Circle, Ottawa 8.
Manitoba:	Rudolf H. Schilling (Secretary) 1199, McMillan Avenue, Winnipeg 9. (Also: Department of Mechanical Engineering, University of Manitoba)

So that records can be kept up-to-date, it would be helpful if ex-Athlones would notify changes of address for which a tear-off page is provided in this issue. Please send it to The Secretary, Athlone Fellowships, Board of Trade, 1, Victoria Street, London, S.W.1., England.

Fellows in Canada may instead write or telephone changes of address to any of the following British Government Offices:

OTTAWA	80, Elgin Street. 237-1530
MONTREAL	635, Dorchester Boulevard West. 866-5863
QUEBEC CITY	100, D'Youville Square. 525-5187
TORONTO	200, University Avenue. 362-1223
VANCOUVER	Bank of Nova Scotia Bldg., 602, West Hastings Street. 683-4421
WINNIPEG	333, Broadway Avenue. 942-3151
REGINA	Derrick Building, 2431, 11th Avenue. 527-6459
EDMONTON	Bank of Montreal Bldg., Jasper Avenue. 424-0481
ATLANTIC	Centennial Bldg., 1645, Granville Street,

SELECTION TOUR FOR THE 1967 AWARDS

by F. E. A. Manning, C.B.E., M.C., T.D., C.Eng.
(Athlone Fellowships Adviser)

My sixth tour presented novel features, not all pleasant, as well as the usual crop of kindness and hospitality that makes my annual trip so completely enjoyable. It was something new for an Athlone Fellowships Adviser to be invited to join a Lieutenant Governor on the dais at the opening of a new office building for a provincial Association of Nurses, as I was in Vancouver. It is unprecedented for an Adviser (and very rare for any Englishman) to be "called" as an engineer and given an iron ring, as I was in "Camp Number 11", one of my proudest honours. The rumour had gone round Kingston, Ontario, that it was my last trip (my first "last trip" was in 1963), and the Deans at Queen's University and the Royal Military College presented me with crested cufflinks, which I always wear, and crested lighter which I carry. Needless to say I am not inclined to return these gifts even though they were inspired by rumour which turned out to be false! Less pleasant were the effects of the fortnight's strike of maintenance staff of Air Canada, for re-arranging a tight schedule based on 400-500 m.p.h. transport to one based on 50 m.p.h. involved a lot of personal inconvenience, but with the willing help of British Government staffs at various centres, no appointments were missed. The last straw was atrocious weather during my last four days, which unfortunately prevented me from visiting Moncton and Acadia Universities and nearly delayed my return to England by a day - in fact, I thought I had missed my air connexion at Dorval by half-an-hour, but luckily the one-hour difference in time between Halifax and Montreal operated favourably and I had just half-an-hour for the change of aeroplanes. So all was well, and another immensely happy tour was completed.

We allowed for two Fellows going home after one year who had accepted two-year Fellowships and we offered four one-year Fellowships in place of two two-year Fellowships in the "B" group, so that the final awards numbered 45, the highest total so far. Candidates were interviewed at 18 of the 22 participating Universities and successful candidates came from 15 of the 20 Universities eligible to present candidates in 1966, plus one from a sixteenth University who declined his award for personal reasons. Two others declined for personal reasons and two accepted a Commonwealth Scholarship when offered. We are always prepared to accept the fact that a man who is fortunate enough to be offered both the Athlone Fellowship and the Commonwealth Scholarship may accept the Commonwealth. All we ask is that we are told quickly so that we can draw on the reserves. A total of eight candidates, including two "B" candidates, who had been notified that they were on the list of reserves, were eventually offered awards and all accepted them. This shows that the letter notifying a candidate that he is listed as a reserve is by no means a matter of form, and in fact we increased the number of reserves to nine "A" and two "B" (in 1967) because we used all the reserves in 1966.

The 1967 group included our second lady Athlone Fellow, Mrs. Monique Arvisais, and she makes history by being the first from the "B" group. Mrs. Arvisais will work for the Master of Philosophy degree at Imperial College in Medical Electronics, which is a happy choice as she commenced her university studies in Biology before she took up Electrical Engineering.

A total of 44 Fellows arrived in September 1967, and one followed in December because his course in Machine Tool Technology started in January 1968. There were 36 remaining from the 1966 intake, and the grand total of 81 for 1967/68 comprises 11 in industry and 70 in universities or colleges, three of which are taking Athlones for the first time.

Replies to the offers of awards were on the whole prompt, but considerable administrative inconvenience was caused in a few cases by delay in notifying the programme desired. Placings must start immediately after awards are announced and prompt replies, by Air Mail, are required to letters from the Secretary or myself. I have prepared a list of one-year M.Sc. courses known to us to be available this year and a copy has been sent to Deans and will be sent to all successful candidates.

Enquiries about details of programmes or requests for brochures should not be addressed to the Board of Trade but to the Universities concerned and must be sent by Air Mail.

ONTARIO BRANCH - ATHLONE FELLOWS ASSOCIATION

The Chairman reports that the Association has continued to hold two functions annually. A rather small stag group of Fellows in the Toronto area attended the Autumn dinner in November 1966 and were rewarded with an excellent talk by Mr. N. E. Rowe, recently retired Vice-President of Engineering for De Havilland Aircraft of Canada. Mr. Rowe discussed various aspects of aircraft safety.

The Association and Mr. A. H. Spire, British Trade Commissioner, jointly entertained some of the 1967 group of Athlone Fellows at a cocktail party in St. Michael's College, University of Toronto, on April 1. About 85 people attended.

The De Havilland branch of the Association's executive has been wiped out as follows:

P. B. Church, Convener, has a new position with the Department of Industry.

A. M. Drummond, Secretary-Treasurer, has left for a teaching position in Auburn, Alabama.

T. R. Nettleton, past Chairman, retired on 18 November 1967.

Other Fellows have been moving about in different ways, and the following changes are recorded:

C. M. (Cam) Crowe, from McMaster, is on sabbatical leave at Rice University in Texas.

G. D. T. Wright has left the University of Waterloo, where he was Dean of Engineering, to join the Department of University Affairs of Ontario as Chairman of the Committee on University Affairs.

Glen A. Pearce has taken a new position with the Ontario Water Resources Commission in the water quality surveys branch of the Division of Sanitary Engineering.

J. H. Duerksen is taking up a permanent position with Chevron Research Company in Richmond, California.

R. W. Missen is on sabbatical leave in Berkeley, California, from the University of Toronto.

The following are the officers of the Association:

J. W. Smith, Chairman
J. E. Dooley, Vice-Chairman
W. Rayner, Secretary-Treasurer
P. B. Church, Social Convener

MISCELLANY

1. Mr. F. E. A. Manning, C.B.E., M.C., T.D., B.Sc.(Eng.), C.Eng., the Athlone Fellowships Adviser, has been elected Chairman of Convocation of The City University, London.

2. An Athlone Fellow and his wife have legally adopted a British child whom they intend to take back with them to Canada. They are prepared to offer advice to any other Athlone couple who may be contemplating adoption. Enquirers should send a sealed letter to the Secretary, Mr. T. W. Turner, who will forward it.

3. The maintenance allowance for Athlone Fellows in Britain was increased by approximately 10% with effect from 1 September 1967.

4. The British system of tipping is so erratic that it is impossible to give a formula which will satisfy the tipper and the tipped. The personal element always enters into it. Tips for taxi drivers seem to give newly arrived Athlones their first headache, and it might help them to regard the basic tip for a London taxi as 1/- whether the fare is 2 shillings or 7 shillings; over that 1/6d would be reasonable. In the provinces the rates are lower - sixpence for a 2/6d fare and 1/- on a higher fare. In a restaurant it becomes a simple matter of adding a percentage to the bill if one has not already been added by the management. A waiter in a top London restaurant would expect 12½ to 15% for good service. In a less pretentious restaurant anywhere a 10% tip should suffice if the service justifies it.

CHRISTMAS IN BRITAIN

by Dr. and Mrs. R. G. Matheson

(Richard Matheson is a 1964 Athlone Fellow from U.N.B. He spent his Fellowship at Imperial College reading Concrete Structures and Technology and stayed on for a Doctorate.)

The first we learn of Christmas in Britain was in 521 A.D. when King Arthur went to York Minster to remember Christ's birthday, after he had won a great battle against the Danes. In the Middle Ages, Christmas was a very jolly time. However when Oliver Cromwell was Lord Protector of England and there was no king, the Puritan Parliament made laws establishing Christmas as a very serious and solemn time. Naturally there was great rejoicing when Charles II came to the throne and allowed the old traditions once more.

Carols, of course, are a great part of Christmas the world over. In Britain long ago the word 'carol' meant a dance used to celebrate the shortest day of the year, and later carols were sung by minstrels in the halls of the great lords and finally by street singers. And so today this tradition is carried on in house-to-house fashion by groups of children and church choirs.

Apart from the tree which is usually an evergreen, very much like our Canadian Christmas trees, holly is used very widely to decorate the interior of houses. The climate in Britain is ideal for the holly tree and it is quite a thrill to see it growing in such abundance at this time of the year. It is unfortunate that people in Britain do not decorate the outsides of their houses, but this American custom has not found favour in Britain. Nevertheless, we always hang a large holly wreath on our front door which gives away our nationality to everyone who passes by!

Living rooms (lounges) here are made to look very gay with coloured streamers, paper chains, balloons and frills which in our opinion seem more like a Halloween decoration than one appropriate for Yuletide. Every tree is topped with a Christmas Fairy, very often hand made, which has been kept in the family for many generations. This Fairy serves as a symbol of good luck to the household.

In the majority of homes the tree is not trimmed until Christmas Eve and no decorations are removed until Twelfth Night. This day, January 6th, is the feast of the Epiphany, which is remembered as the day on which the wise men were guided by the star to the stable at Bethlehem.

I'm sure in no other country is there so much social preparation of food as there is in Britain. There is an Italian saying to describe a busy person: "He has more to do than the ovens in England at Christmas"! An English sailor was the first to introduce the turkey as the Christmas dinner in the early fifteen hundreds. By the turn of the 17th Century, the American turkey had replaced the peacock as the traditional Christmas fare. Pork is very popular for Boxing Day which here is celebrated as much as Christmas Day itself.

Plum puddings are made with a great deal of excitement and ritual. Every member of the family must have a stir and make a wish before the pudding is wrapped for steaming. Our daughter, Cindy, had great fun with her hands in the mixture.

The traditional Christmas cake, which the Canadians know as a dark fruit cake, has to be seen to be appreciated. Every cake is very elaborately decorated with almond

paste as a base and then little figures and scenes are put on the top. They are really beautiful and seem much too lovely to cut.

Mince pies are an important part of the Christmas fare in Britain and are always made in the form of small tarts as some people consider it unlucky to cut a mince pie.

Entertainment for children during the Christmas holidays is very traditional and different. In Canada, while much of the holiday is spent in skating and tobogganing, here it is a time for Pantomimes and the Circus. The pantomimes, Peter Pan being the great favourite, have become very grand shows with many changes of scenery and magnificent costumes. This is a change from the original pantomimes of two hundred years ago when dancers portrayed a very simple fairy tale or nursery rhyme. It is also very common in London for one company to do a marvellous show on ice.

The circus in recent years has become just as popular as the pantomime, and every Christmas the children in London go to the three-ring circus at Olympia. Two more annual and traditional entertainments are the Nutcracker Ballet performed by the London Festival Ballet, and Hansel and Gretel staged by the Sadlers Wells Opera Company.

London's two main shopping areas, Oxford Street and Regent Street compete each season in erecting overhead decorations down the length of the thoroughfares. These decorations are beautiful but they attract so many people that they create some of the tightest traffic jams of the year.

Trafalgar Square is our favourite spot at Christmas time. Every year since the end of the second World War, Norway has sent a 60 ft spruce tree which is covered with lights and erected in the centre of the Square early in December. The gift is a gesture of appreciation for the help that Britain gave to Norway during the conflict and every year the turning on of the lights is performed by the Norwegian Ambassador in a ceremony which includes singing and dancing around the tree by a group of Norwegian children. On Christmas Eve crowds gather in the Square and carols are sung in many languages. It is a very moving scene.

We hope that these impressions will bring back happy memories to those former Athlones who had the experience of enjoying Christmas in Britain.

TITLES

by Mr. T. G. O'Flaherty, M.Sc.

(Tom O'Flaherty is a 1965 Fellow from N.S.T.C. He spent the first year of his Fellowship at Rolls-Royce Ltd. in Derby, and the second at the University of Birmingham in the Operational Research Group.)

I was flattered when asked to contribute to the Newsletter, and then, of course, in the next instant puzzled. Write, yes, but write what? I was determined not to be beaten by such a minor consideration as subject matter.

In an effort to surmount this problem, I found myself jotting down at random, all the different thoughts and impressions I have had during my stay, hoping that one or two of these jottings would trigger that creative spark which might evolve a story.

I then became more interested in the jottings themselves rather than what they might have led to and decided to present simply these "memoirs" so to speak, as seen from Canadian eyes.

England is the *Sunday Times*, very late on Sunday morning.

England is beer in twenty ounce pints.

England is an overworked telephone system.

England is a Thursday night at the Admiral Codrington, or the Dog and Partridge, or the White Swan.

England is "Top of the Pops," "The David Frost Show," "24 Hours,"
"The Wednesday Play."

England is stiff upper lips, well played cricket balls, and paranoid Mini drivers.

Pinta man is cool.

Join the Co-op now!

Support free radio!

Join the tea set!

England is mini-skirts on Oxford Street.

England is a long time at High Street Kensington on Sunday waiting for the Wimbledon train. There is no Wimbledon train at said station on Sunday. What sign?

England is friendly greengrocers, and wine merchants, and butcher shops, and fishmongers, and ironmongers, and chemists' shops.

England is December 21st at Victoria Station, Overseas section, five minutes to departure. "I wonder if I can sneak these skis past that British Railways guard" Hey Pooh!!

England is all major auto and motorcycle races on TV, or should I say "telly"

England is fish and chips - and processed peas, ugh.

England is a warm Sunday afternoon in the Peaks, or Stratford, or Hyde Park.

England is a traffic jam in Derby, or London, or Birmingham, and a Minister of Transport who doesn't drive.

England is inexpensive Wedgewood, Burton suits, good shoes, haircuts.

England is expensive smokes, liquor, gas, road tax.

England is an old beer-stained school tie, worn proudly to the office.

England is watching a steel-nerved London taxi driver at work, a true professional.

England is flowers, and impeccable lawns, in the midst of endless city.

England is waiting for snow, or sun.

England is the bastion of the individual.

England was good times.

A HOLIDAY IN THE U.S.S.R.

by Mr. S. F. Turcotte, M.Sc.

(Serge Turcotte is a 1965 Fellow from Ecole Polytechnique. He spent his first year with The Steel Company of Wales, Ltd., and his second at The City University, London on Management Studies.)

Just before Christmas, 1966, a few friends and I decided to spend the next Easter holiday in Russia. We only had two weeks break and money was restricted so we were impelled to form a party and travel by train taking advantage of a reduced group fare. To secure this advantage we needed a group of at least sixteen people and we organised a campaign to reach this number from the original six interested people. The group leader and his assistant (two French-speaking Montrealers) went to great pains to find the required number, but they were more than successful because a group of twenty-four was finally formed.

The long awaited departure came on Good Friday, March 24th. Several international groups were leaving Victoria Station for the Continent and our group with its unmistakable international air must have struck the crowd in the station that morning. In fact the group was composed of thirteen Canadians, six Americans, one German girl, one French girl, one Australian boy and one Venezuelan boy. Two married couples, seven girls, thirteen boys. I knew a few of the Canadians, the Australian but none of the others. It was going to be an interesting social adventure as well.

The Channel crossing turned out to be a marvellous occasion to get to know each other, and we had time to do some sight-seeing in Ostend before boarding the train for the long trek to Berlin. The first night provided the first major incident of the trip. The couchette problem! We had reserved couchettes for the whole group but due to a misunderstanding none of the couchettes was available. So the first night was a hard night in the compartments, less hard though depending on the company you were with!

In East Berlin there was a change of train to a Polish one, and it was early on the Saturday evening when we arrived in Warsaw. Our programme for the evening provided for a meal and a visit to the old part of Warsaw, or perhaps a walk, or even to watch a game of ice hockey on the television during the current world championships in Vienna. How strange to be in Warsaw to watch an ice hockey game between Canada and Czechoslovakia. Warsaw turned out to be a pleasant halting place, thanks to a great extent to our most obliging guide, a Polish student who had previously travelled to Britain.

At long last on Easter Tuesday we arrived in Moscow under a pale, but yet bright, end of winter sun, not unlike a Canadian equivalent. Immediately we were conducted to coaches by our guide (a Russian girl who had been with us ever since we had crossed the border) and off we went to the hotel which, unfortunately, was situated almost at the edge of urban Moscow. We learned then that we would have to take all our meals in the centre of the town, near the Kremlin, which involved a lot of travelling. On the other hand it was easier during the day, while in town, because it was only a few minutes walk from anywhere in the central area.

The restaurant we used was quite a sight in itself. Its entrance, on the Avenue of the 4th October, has nothing to distinguish it from any other building except that a porter was in attendance most of the time controlling access. Inside one discovered quickly that this restaurant retained a grandeur one would not expect in such premises;

it had spacious long corridors, large cloakrooms, a big dining room with a dance floor and an interesting mezzanine. The Café Royal of Moscow in other words.

Eating out is really one of the main features of Moscow's night life, and we saw many Russian parties enjoying themselves in this way. They enjoy their food and drink. During all our stay in Russia the food was superb and we had many enjoyable reunions around the table. They remain vivid memories in our minds with all the caviare and the vodka that go along with them.

We were to stay four full days in Moscow during which we did all the traditional visits to the Kremlin, the Red Square, the University, the museums, the Bolshoi Theatre, the Palace of Congress and so on. I suppose all of us were struck by different things; I certainly share with quite a few others the first impressions of a very large metropolis, not very different from a town familiar to us, like Montreal, where people go about their affairs in a very brisk manner. The spring mornings with the wet pavements, the tang of the air and the pale sunlight were probably why the image of Montreal on similar mornings came to mind.

On Friday evening March 31st, we left Moscow for Leningrad where we arrived early next morning. This city was not as animated as Moscow and there was much less car traffic on the streets. The buildings looked much older, except for Moscow's Kremlin, in spite of Leningrad being the much younger town, but no doubt this situation is attributable to the burning of Moscow during the Napoleonic campaign. But Leningrad, built to the order of Peter the Great, is unquestionably beautiful. The wide avenues, the planned layout of all the avenues and trees, the superb perspectives all contribute to make it one of the best designed cities in the world. What a contrast with North American towns. In my limited knowledge, only the perspectives found in Paris surpass those we saw in Leningrad.

Perhaps the most outstanding item of interest in Leningrad for the visitor is the Ermitage; this arts museum contains such treasures that it is not possible to deal with them in an article such as this. Many other things were worth seeing in Leningrad but we hadn't time. We left for Moscow on 4th April and had a final evening there. We had another evening in West Berlin, where our memories of the "Hofbrau Haus" will remain for a long time. On Friday April 7th we were back in London, not happy to be at the tail end of a marvellous holiday, but all rather tired and pleased to be home.

ADVICE FOR NEW ATHLONES

By Dr. Tobias Gilsig, an Athlone Fellow of 1963 vintage, who spent his time at Imperial College. He is now back in Canada and his address will be found elsewhere in this publication. The views he expresses are not necessarily those of the Managing Committee.

I spent the two years of my award at Imperial College, in the Power Systems group. A third year, supported by the Central Electricity Generating Board, allowed me to successfully complete a Ph.D. programme, in November 1966.

I would like to offer some suggestions which I think may be helpful to new Athlones, and which I would certainly follow if I were starting all over again!

1. Have a good idea of the type of project that you want to work on before you leave Canada. Correspond with your prospective supervisor, if possible, and find out which projects he has research funds for. Thorough groundwork will allow you to pick your own project, or at least to evaluate the choice offered to you. As a corollary to this, especially if you will be working towards a Ph.D., don't panic. It may seem very important to start your project by Christmas, but it isn't. If you don't know exactly what you want to do, spend some time considering alternatives. You'll soon make up time through working without doubts as to whether you are doing the right thing.

2. Do not be too hard on the British educational system. The emphasis is on *individual* research. You may be unfortunate enough to draw a supervisor who has little spare time for his students. More likely, your supervisor will be helpful, but you will have to go to him - he won't be looking over your shoulder.

3. If you are staying three years or more, start thinking about money very early in your second year. Apply to the National Research Council of Canada and your provincial grant authority, but don't stop there. Enlist the aid of your supervisor in arranging support from British industry, if all else fails. Industry is often interested, as they stand to gain the fruits of three years research for the price of one.

A Short History

The Athlone Fellowships scheme resulted from a post-war review of the economic links between Canada and Britain. The idea of offering a Fellowship for technical training in Britain to young Canadian engineers was first suggested by Mr. Harold Wilson, then President of the Board of Trade, when he visited Canada in 1949. In order to examine this, a mission led by the prominent industrialist the late Sir Arthur Fleming, C.B.E., visited Canada early in 1950. The mission discussed with representatives of universities, government departments, and professional institutions throughout Canada, their reactions to the proposal for a Fellowship which would enable Canadian graduate engineers to obtain further training and experience in Britain, in the interests of the development of trade between the two countries. As a result of the findings of this mission (which was quickly followed by a return visit of Canadian university professors to Britain) the Athlone Fellowships scheme was announced in Parliament by Mr. Wilson later the same year. It was named after the Earl of Athlone, who was Governor-General of Canada from 1940-1946. The first group of Fellows arrived in the U.K. in September 1951.

The late Sir Arthur Fleming, who played a key part in the setting up of the scheme, became Chairman of the Committee which was formed to manage its affairs. He retained this position for six years and died in 1960, two years after his retirement. Sir Arthur was succeeded as Chairman of the Managing Committee by Sir Claude Gibb (1958-1959) who collapsed and died in January 1959 whilst travelling from the United States to Canada. Sir Julian Pote, who succeeded Sir Claude, was in post as Chairman from 1959 to 1966 when he retired. The present Chairman, Sir Maurice Fiennes was appointed in 1966.

When the scheme started there were eleven Canadian universities participating, but this number has now doubled. The minimum number of Fellowships awarded annually is now forty-one, but the actual number can exceed this if one-year Fellowships are allocated. Originally all awards were for two years, but since 1962 a limited number of one-year awards have been offered to "B" Fellows (i.e. engineers who have spent some time in industry). This came about because some firms in Canada were reluctant to let their employees go for two years - even on an Athlone Fellowship - but they were prepared to approve a one-year absence.

Selection of the candidates starts with interviews by local Boards during the last three months of each year, at each of the participating Canadian universities. These interview Boards contain representatives of local academic and industrial institutions and of the British Government office, and are attended by the Athlone Adviser from London. The present Adviser is Mr. Fred. E. A. Manning, C.B.E., who has been in post since 1961. He was preceded by Dr. A. C. Monkhouse (1958-1961), Dr. H. H. Burness (1955-1958) and Dr. W. Abbott (1951-1955). The Boards interview only those candidates who have already been pre-selected by the universities as being eligible and well in the running for a place. Of those seen by the Boards about a third are given awards. When the scheme started, the awards were made on a quota basis for each university, but in recent years, with the increase in the number of participating universities, Fellowships have been allocated on a country-wide basis. The final assessment and selection of candidates is made by the Adviser after his return to London, and he then prepares two lists of candidates, awards and reserves. These lists are examined and finally approved in the Board of Trade, and the awards are announced early in the New Year.

ATHLONE FELLOWS 1951 - 1967

One of the main advantages offered by the Athlone Fellowships over other awards is its flexibility in allowing Fellows a freedom of choice between university and industry or a bit of both. The founders of the scheme had hoped that many Fellows would opt for industrial experience but university programmes have been more popular than industrial from the start. Several Fellows who choose two-year research programmes at university decide to carry on after the Fellowships expire in order to work for a Ph.D. Men doing this in recent years number between twelve and fifteen each year. But there is no question of extending the Fellowships for a third year to help finance these studies and Fellows are warned well in advance that they must find other means of support. In the early days of the scheme, the National Research Council of Canada was liberal in its scholarship awards which enabled Athlones to finish a third year at university, but latterly the policy of the Council has become more rigid. In 1967 out of fifteen Athlone applicants, only eight were successful in securing help from this source.

One of the conditions of the award is that Fellows must undertake to return to Canada to work in engineering after the Fellowship expires, or after any extension granted for further study. Most Fellows are scrupulous in honouring this condition and there have been only a few exceptions but these could be an embarrassment to the Managing Committee in the event of the operation of the scheme being challenged.

<u>NAME</u>	<u>YEAR OF FELLOWSHIP</u>	<u>UNIVERSITY</u>	<u>GROUP</u>
Abbott, J. A. R.	1960	McGill	B
Adams, E. J.	1952	Toronto	B
Affleck, R. R.	1955	British Columbia	A
Aker, D. L.	1953	Manitoba	B
Allen, L. D.	1953	Alberta	A
Almond, J.	1952	Saskatchewan	A
Amyot, L.	1955	Ecole Polytechnique	A
Anderson, I. S.	1967	Queen's	A
Anderson, R.	1967	Ecole Polytechnique	B
Aplevich, J. D.	1964	Saskatchewan	A
April, G. E.	1966	Ecole Polytechnique	A
Archibald, J. A.	1962	Nova Scotia Technical College	B
Ares, R.	1963	Ecole Polytechnique	A
Armour, J. M.	1951	Toronto	A
Armstrong, G. W.	1965	New Brunswick	A
Armstrong, M. J.	1956	Toronto	A
Arnett, R. R.	1966	British Columbia	B
Arnold, J. R.	1953	British Columbia	A
Arsenault, R. A. J.	1953	Ecole Polytechnique	A
Arvisais, Mrs. M.	1967	Ottawa	B
Atkins, W. R.	1957	Alberta	B
Auld, E. G.	1961	British Columbia	A
Aziz, E. M.	1960	Western Ontario	A
Bach, G. G.	1952	Alberta	A
Bachovzeff, C.	1951	McGill	A
Bailey, C. M.	1963	McGill	A
Bailey, K. A.	1959	Manitoba	A
Ballance, R. C.	1954	New Brunswick	A
Barber, H. D.	1960	Saskatchewan	A
Barnard, P. R.	1960	Queen's	A
Barry, A. L.	1958	Queen's	B
Basso, G. L.	1958	Nova Scotia Technical College	A
Bate, D. L. S.	1954	Toronto	B
Bazergui, A.	1963	Ecole Polytechnique	A
Beauchamp, E. R.	1967	Ecole Polytechnique	B
Beck, H. R.	1952	Manitoba	B
Bedard, M. R.	1953	Laval	A
Belrose, J. S.	1953	British Columbia	B
Beneteau, P. J.	1953	Queen's	A
Bennett, R. A.	1955	Nova Scotia Technical College	A
Bessette, H.	1952	Ecole Polytechnique	B
Bigham, C. B.	1952	Queen's	A
Birdsall, D. L.	1962	British Columbia	A
Biro, G. M.	1967	Toronto	A
Bjornsson, A. B.	1955	Manitoba	B

ATHLONE FELLOWSHIPS

NEWSLETTER No. 13

JANUARY 1969

Managing Committee in the United Kingdom

Sir Maurice Fiennes, C.Eng., F.I.Mech.E., (Chairman)
Sir Douglas Logan, D.C.L., LL.D., (Vice-Chairman)
Professor H. E. M. Barlow, B.Sc., Ph.D., F.I.E.E., F.I.E.E.E., F.I.Mech.E., F.R.S.,
(University College London)
Mr. G. S. Bosworth, C.B.E., M.A., C.Eng., F.I.Mech.E., F.I.E.E., (English Electric
Co. Ltd.)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., F.I.E.E., F.R.S.E., (University of
Dundee)
Mr. G. H. Doughty (Representing T.U.C.)
Mr. J. R. T. Douglas, B.Sc., (Federation of Civil Engineering Contractors)
Mr. J. H. Lawrence, F.C.A., (Scottish Engineering interests)
Captain B. E. W. Logan, R.N. (Retd.), (C.B.I.)
Mr. F. E. A. Manning, C.B.E., M.C., T.D., B.Sc.(Eng.), C.Eng., (Adviser)
Mr. M. S. Morris, (Board of Trade)
Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C., (Imperial College of Science
& Technology)
Mr. R. A. F. Sherwood, (The British Council)
Mr. C. C. B. Stewart, (Foreign/Commonwealth Office)
Mr. R. Toomey, (Department of Education and Science)
Mr. D. D. Walker, M.A., C.Eng., F.I.E.E., (British Mechanical Engineering Federation)
Mr. I. M. Wilson, (Scottish Education Department)

Mr. T. W. Turner, M.B.E., (Secretary), (Board of Trade)

THE ATHLONE FELLOWSHIPS

NEWSLETTER No. 13

In presenting this edition, the Managing Committee wish to record their appreciation and thanks to all those in Canada and Britain who co-operate in the Athlone scheme.

A new group of 43 Fellows arrived in Britain in September, 1968, bringing the total number of awards to 716. The following table shows the relative distribution of programmes since the scheme started in 1951.

	<i>Two years industry or industrial consultants</i>	<i>Two years university college or research establishment</i>	<i>Mixed Course</i>	<i>One year only * = univ. / = industry</i>	<i>Total</i>
1951	8	21	9		38
1952	4	18	13		35
1953	16	11	10		37
1954	10	10	16		36
1955	8	12	17		37
1956	1	21	16		38
1957	2	28	6		36
1958	-	20	18		38
1959	-	27	14		41
1960	1	27	12		40
1961	1	29	10		40
1962	-	21	18	1*	40
1963	2	18	21	1*	42
1964	1	24	13	4*	42
1965	-	23	12	9 (8* 1/)	44
1966	1	21	15	7*	44
1967	-	26	10	9 (8* 1/)	45
1968	-	27	10	6 (5* 1/)	43
	<u>55</u>	<u>384</u>	<u>240</u>	<u>37</u>	<u>716</u>

Of the 1966 group who completed their Fellowships in 1968, eighteen have remained in Britain to continue their studies.

The 1968 group

Twenty seven of the 43 will spend the whole of their two years at university; ten have elected to do one year at university and one in industry. The remaining six are 1-year Fellows five of whom are going to university and one to industry.

Athlone Fellows Associations

The Officers of the three branches are:

- Quebec: Claude Richard (Chairman)
c/o Research Laboratories,
R.C.A. Victor Co. Ltd.,
Montreal. (Tel: 933-7551)
- D. P. MacKinnon (Secretary)
Canadian National Railways,
P.O. Box 8100,
Montreal 101.
- Pierre Bourassa (Treasurer)
c/o Banque d'Expansion Industrielle,
901, Victoria Square,
Montreal. (Tel: 866-2701)
- Réal A. J. Arsenault (Adviser)
c/o Surveyer, Nenniger and Chenevert,
1440, St. Catherine West,
Montreal. (Tel: 868-1731)
- Ontario: Jim Dooley (Chairman)
170, Manor Road E.,
Toronto, Ontario.
- William M. Rayner (Secretary/Treasurer)
2107, Deyncourt Drive,
Burlington, Ontario.
- Paul B. Church (Social)
417, Thessaly Circle,
Ottawa 8.
- Manitoba: Rudolf H. Schilling (Secretary)
Department of Mechanical Engineering,
University of Manitoba,
Winnipeg.

So that records can be kept up-to-date, it would be helpful if ex-Athlones would notify changes of address for which a tear-off page is provided in this issue. Please send it to The Secretary, Athlone Fellowships, Board of Trade, 1, Victoria Street, London, S.W.1., England.

Fellows in Canada may instead write or telephone changes of address to any of the following British Government Offices:

OTTAWA	80, Elgin Street.	237-1530
MONTREAL	635, Dorchester Boulevard West.	866-5863
QUEBEC CITY	100, D'Youville Square.	525-5187
TORONTO	200, University Avenue.	362-1223
VANCOUVER	Bank of Nova Scotia Bldg., 602, West Hastings Street.	683-4421
WINNIPEG	333, Broadway Avenue.	942-3151
REGINA	815, Avord Tower, 2002, Victoria Avenue.	527-6459
EDMONTON	Bank of Montreal Bldg., Jasper Avenue.	424-0481
ATLANTIC PROVINCES	Centennial Bldg., 1645, Granville Street, Halifax, Nova Scotia.	422-7488

SELECTION TOUR FOR THE 1968 AWARDS

by F. E. A. Manning, C.B.E., M.C., T.D., C.Eng.
(Athlone Fellowships Adviser)

This tour, my seventh, was an extremely happy one. I had been privileged in previous years to watch the growth of EXPO from nothing but an idea to a mass of buildings, roads and so forth, so I made it my business to start my tour earlier than in previous years and to spend a few days there. So much has been written and said about EXPO that I need do no more than record that it surpassed my most extravagant expectations and was a breathtakingly outstanding achievement. The rest of my tour was rather compressed. I was once again unable to visit Moncton and Wolfville in the last few days because the weather was too bad and I could not wait for it to improve.

The distribution of candidates between Universities varies a little from year to year, but the total number of candidates formally interviewed after some local sifting was 103, the same as in 1966. This figure does not include five who did not attend interviews to which they were summoned and one who was over age and whom I intercepted by telephone at his home just as he was leaving for work on the day appointed for his interview. Sir George Williams University had been accepted as a participating University and three candidates from it were interviewed, one being successful. There were three lady applicants of whom two were successful. This is remarkable in itself, but still more so is the fact that one of the lady Athlone Fellows married one of the other Fellows just before they left for Britain.

As an experimental measure, candidates in Group A who had applied for a mixed programme, part industry and part university, were asked if they would prefer a 1-year fellowship. Those who replied affirmatively were subsequently asked to confirm this in writing and a number did so. Eventually, four 1-year A-group Fellowships were awarded, and in future any candidate, A or B, may apply for either a 1-year or a 2-year Fellowship. In fact, there will from now be no separation in groups A and B.

Four successful applicants declined to accept Athlone awards offered, which is more than usual, but a substantial number of applicants were notified that they were on a reserve list. Some of these declined a late offer, but four reserves were given Fellowships in place of those who declined the original award. Thus the reserve list is quite meaningful, although of course nobody knows in advance how many on it will be offered awards.

The 108 eligible applicants comprised 92 A-group and 16 B-group candidates and they came from all but two of the 22 participating Universities. 43 Fellows (including the two ladies) arrived in September 1968, by air, and these came from 16 universities. Unfortunately, there were two very late withdrawals after we had received as many acceptances as in 1967, viz. 45 who would have come from 17 universities. 35 of the 1967 Fellows are still in Britain. The grand total of 78 Fellows here for 1968/69 is made up of 71 in universities and 7 in industry, but one of those in a university will go to industry in January 1969. There are Athlone Fellows in 19 different British Universities, but surprisingly only one Fellow is in a Scottish University and none in a Scottish firm. The reason for my surprise is that quite a large number of Fellows are of Scottish extraction and we naturally expected that more would go to the land of their forefathers when they had such a golden chance.

ATHLONE FELLOWS' ASSOCIATIONS

QUEBEC BRANCH

The Secretary, Mr. D. P. MacKinnon, reports that there was a reunion dinner in December 1967 and another planned for November 1968. It is hoped that a stag reunion will be held in February or March 1969.

These reunions serve a very real purpose in keeping alive strong friendships that were begun during the Fellows' stay in Britain or at subsequent meetings in Canada. Even the wives, many of whom were not in Britain during the Fellowship period, have developed very strong ties through a common heritage.



**The Athlone Fellowships
BOARD OF TRADE**
1 Victoria Street, LONDON S.W.1
Telephone: 01-222 7877, ext.

Adviser:

Mr. F. E. A. MANNING,
C.B.E., M.C., T.D., B.Sc.(Eng.), C.Eng.

Our reference:

Your reference:

Addition to 1969 Newsletter

WENDELL JOSEPH GOURLAY, B.Sc., M.Sc.

The Athlone Fellowships Managing Committee have learned with much sorrow of the death of Wendell Gourlay, a 1967 Fellow from the University of Alberta. He was 23 years of age and unmarried.

Wendell was awarded a two-year Fellowship and spent the first year reading for an M.Sc. degree in Advanced Chemical Engineering at Imperial College, London. He secured this degree but relinquished the second year of his Athlone award to return to Canada in October, 1968.

Wendell passed away in early February, 1969 from leukaemia. Some of his friends in and around Calgary wish to set up a trust fund in Wendell's name which will go towards providing a High School Scholarship at High River, his home town. Anybody interested in the trust fund should write to Mr. D. Knuson, I.O.S. of Canada, 346-23 Avenue S.W., Calgary 3, Alberta, Canada.

The Managing Committee's deepest sympathy is extended to Wendell's family and friends in their sad loss.

MISCELLANY

1. K. C. Johns, a 1966 Fellow from McGill, who is on a Ph.D. programme in Civil Engineering at University College London, was co-author with his supervising professor of a paper entitled 'Coupled Modes of Elastic Buckling of Imperfect Systems', which was presented at the 12th International Congress on Applied Mechanics at Stanford University, California in August 1968. Mr. Johns flew out to California to present the paper, which he reports was well received.

2. Athlone Fellows who are interested in paper making processes may like the opportunity while in the U.K. of visiting one of the Bowater Paper Corporation's paper mills and meeting various members of the company. There are mills at Northfleet, Kemsley and Sittingbourne (all in Kent) and at Ellesmere Port in Cheshire. Mr. A. E. Simpson of the Bowater Paper Corporation's head office at Bowater House, Knightsbridge, London, S.W.1 (Tel: 01-584 7070) would be pleased to make the necessary arrangements for the visits and Fellows are asked to approach him direct. The Bowater organisation operates on an international basis with head-quarters in London, England. The Canadian interests show in branches at Corner Brook, Newfoundland, and Liverpool, Nova Scotia. A mill is expected to be opened in British Columbia in the early 1970's.

3. Married Fellows may be interested to learn that return air fares can sometimes be obtained very reasonably by joining one of the student organisations which arrange charter flights for their members. A prerequisite is usually membership of the organisation for a minimum period (often six months). Names of known organisations are:-

North American Students Association,
c/o G.S.A., London School of Economics,
Houghton Street, London, W.C.2.

British Universities North American Club,
157, Victoria Street, London, S.W.1.
(Tel: 01-834 8634)

The Canadian Universities Society of Gt. Britain,
9, Southampton Place, London, W.C.1.
(Tel: 01-242 7271)

4. The Managing Committee extend their congratulations and best wishes to the following Fellows who were married during 1968, after taking up their Awards:

Mrs. M. Arvisais (1967 Ottawa)
G. M. Biro (1967 Toronto)
F. P. E. Day (1967 R.M.C.)
P. D. Grout (1967 British Columbia)
R. Hastings-James (1967 N.S.T.C.)
B. W. Hyndman (1966 Toronto)
J. W. Patchell (1967 Manitoba)
M. C. Pelletier (1966 Laval)
M. Pigeon (1967 Laval)
R. P. Yeardye (1967 McMaster)

and to the following who received 'Made in Britain' additions to their families during the year:

M. Branchaud - a son
R. W. Coley - a daughter
S. T. Lavender - a son
K. G. McQuhae - a son
P. E. Elias - a son
Mrs. Evelyn
Elliott - a daughter

EDUCATIONAL PROGRESS: AN OPPORTUNITY AND CHALLENGE FOR ENGINEERS

by John R. Grace,

a 1965 Fellow from the University of Western Ontario. He spent his two years of Fellowship, and an additional year, taking a Ph.D. degree in Chemical Engineering at Cambridge University. He has now returned to Canada.

There are many causes of the widespread student unrest throughout the world including archaic institutions, overcrowding, impersonal and autocratic administration, and social and political unrest. One of the most general causes of dissatisfaction, however, is the inadequacy of antiquated teaching methods. The feeling that teaching methods can be greatly improved is almost universal, at least to the student in the modern university.

As Athlone Fellows, past and present, we should have a special interest in this subject. All of us have had at least four years of undergraduate in Canada and then most of us have taken one or more years of graduate university training in England. Thus we have all had considerable experience in university classrooms. Furthermore, a large number of former Athlone Fellows are now teaching in universities. In addition, many of the educational advances being proposed and tested involve technical problems which are of considerable interest to Engineers. With the importance of education in our society and the current mood of university reform, educational advances have a social relevance much greater than that associated with most technical problems.

One of the primary causes of discontent in the university is the lecture, the backbone of the traditional system. When we analyse the lecture, we find that it is a most unsatisfactory means of transferring knowledge from the professor to the student. The speed at which the lecturer talks may be quite different from the speed required to give optimum comprehension among the audience. At least in reading a book, a student may pass quickly over sections which are already well understood and devote special attention (including rereading) to sections of special difficulty. Furthermore, the student is at liberty to read the sections of a book in any order so as to increase their impact and meaning. In a lecture, on the other hand, the student must suffer through material which is already well understood while difficult sections may be taken too quickly to allow comprehension. In addition, the student has no control over the order in which topics are covered.

With groups of about thirty or less, communication between the lecturer and his audience is difficult but just possible. For larger groups, however, the lecture becomes intolerable as a means of communication. Feedback from the student to the lecturer is virtually impossible; it becomes very difficult for many students to see or hear the material being presented. As frustration grows in the impersonal atmosphere, other distractions are bound to occur. At best the student becomes an efficient stenographer, producing a series of mini-books, one per course, lacking the printing facilities and checking procedures of conventional texts, but having the dubious merit that the thinking of the individuals who will assign marks for the courses are reflected in the pages. Recently the lecture has been described as a situation in which material passes from the notebook of the professor to the notebook of the student, bypassing the brain.

What may be done to improve the lecture system or to replace it altogether? Clearly the quality of lectures may be improved and the groups lectured to may be made smaller but these improvements may not be practical in many cases. Recently a great deal of work has been done to encourage the use of audio-visual aids in the classroom. There is an old adage that a picture is worth 1,000 words and it is true that many phenomena which would take hours to describe or to demonstrate in the laboratory can be readily illustrated by films. If the material is presented attractively and with variety, interest can be sustained. For example, I recently attended a lecture in which important statements were projected by means of slides. Various psychedelic colour combinations were used for these slides and there is no doubt that the attention of the audience was kept rivetted to the screen throughout the presentation.

Another teaching method which is gaining some popularity is the carrel system, which many will be familiar with from language laboratories. This system overcomes some of the disadvantages of the lecture system. For example, the student may repeat sections which give special difficulty and skip sections which he finds trivial. Material can be covered in convenient doses with pauses to use pencil and paper or to refer to printed material. The carrel system can be extended to allow learning through the visual as well as through the auditory mode of perception by providing closed circuit television screens, one in each carrel. In fact it should be possible within a few years to develop home television sets and tapes so that the student may take tapes home with him and learn in his own time.

If the carrel system or some variant of it becomes widespread, many changes will be necessary in the traditional university. The professor, set free from the preparing and delivering of lectures, will have additional time available for tutoring individual students and for conducting seminars of small groups. With classrooms largely obsolete, architects are challenged to provide a learning environment suitable to the new educational methods. University boards of governors would then be able to devote more funds to seminar rooms, library facilities, better staff, and further improvements in teaching methods.

The computer also has attractive possibilities as an active participant in the teaching process. So-called programmed learning has been found to be effective for certain topics and computers can be of obvious value in this field. Recently a computer was programmed to become a world master of the game of draughts; the computer played against experts and learned from its own mistakes. It is clear that the machine 'trained' by experts then becomes an excellent tool for teaching draughts to other players. The extension of this principle to fields of education is entirely possible.

I have not tried to deal here with such important subjects in education as curriculum, laboratories and field trips, and other experiments in education such as mixed media presentations. Problems associated with examinations appear to be at least as difficult as those associated with teaching and so I have left these. The fields of sociology and psychology have led us to realize it is possible for students to learn more under relatively painless conditions than previous students have learned under the traditional system of education. The general impatience among students has made it imperative that improved methods be developed quickly. There are many possible pitfalls but it is a fascinating subject and one that deserves attention from all of us.

We're Backing Scotland

This is a combined effort by Ruth and Edwin Heinrichs. Ed. Heinrichs is a 1967 Fellow from the University of Saskatchewan who spent his one-year award on a Business Administration course at Strathclyde University. At the same time his wife Ruth took the Master of Education degree at Glasgow University. They have now returned to Canada, and their address will be found in the Appendix.

Many people think of Great Britain as 'England' or perhaps even only as 'London'. However, we chose to go to Scotland, and soon learned that this is another nation, whose inhabitants very much resent being called English, and who resent being governed from afar - a vast distance of four hundred miles!

Broadly speaking, Scotland is comprised of the Lowlands and the Highlands, the clans coming only from the Highlands. Geographically these areas are strikingly different. In spite of the 262 year union with England, Scotland has retained its own banknotes, educational structure, and dialect. Gaelic is still prominent in the northern area. The Scots consider Canada to be a large version of Scotland, and truly every Scot has a relation or friend in Canada.

The prime difference that we found between Scotland and Canada was the class distinction which permeated the educational system, the way of life, and every aspect of society. For example, the occupation of one's father appears to influence one's opportunities to a great degree. Tradition is another obstacle with which we were unfamiliar. Here one soon finds that the post is the proper mode of communication rather than the telephone, and that the ensuing action will be commenced within a fortnight (which is a flexible unit of time).

In the field of education, studies abroad are not confined to books, to classes, or to universities. The experience of living with another people, and of trying to understand their thoughts and problems, helps to broaden one's tolerance, scope of interest, and area of concern. Thus the value of an Athlone Fellowship should not be considered solely in terms of future earning power, or of income foregone while abroad. Another intangible benefit of studying in Britain is a deeper appreciation of Canada, which is often lacking in Canadian citizens.

Therefore, in spite of bag-pipes, haggis, smog, hurricanes and 'Dear Old Glasgow Town', our sincerest thanks to the British people, for a very worthwhile year on the 'Wee Isle'.

NEW FELLOWS MIGHT FIND THIS USEFUL

by Dr. Ian H. Rowe (Reprinted on request)

(Ian Rowe is a 1964 Fellow from the University of Toronto. He spent his Fellowship at Imperial College doing Automatic Control, remained for a Ph.D., and returned to Canada in December 1967)

British line voltage standards range from 220 to 250 volts. Most of London is standardized at 240 volts while some remaining areas at 230 volts are being converted to 240. The frequency is 50 cycles per second.

Canadian transformers, nominally 115/230 volt rating at 60 cycles, run somewhat warm at the higher voltage and lower frequency. Hence for continuous operation, e.g. electric blankets, the transformer rating should exceed the load rating.

I operate my electric shaver and electric blanket from a Hammond type 170B transformer, 200 VA rating. It can be ordered from any Canadian electronics supply house such as CESCO. Supplied without a base and outlet, it is cheaper than a conventional autotransformer.

As gas cooking facilities predominate in Britain, it is advisable to leave the electric kettle at home. It is cheaper and faster to heat with gas. Lamps should also be left at home. The sockets are different and the bulbs will not last at a transformed voltage probably in excess of 120 volts. I bought an adjustable desk lamp here for £1.

For heavier appliances, (frying pans, irons, toasters), a 1.5 KVA unit is required. I bought a new step-up transformer at a surplus store in Toronto for \$9.00 which I am using backwards. That is, I connected the 220 volt secondary winding to the 240 volt line plug.

Surplus stores in London occasionally carry step-down transformers (without Canadian sockets). Look in the advertising pages of radio magazines for shops in Edgware Road or Tottenham Court Road, London. In the same area radio supply shops carry replacement idler wheels of the right diameter for converting Garrard or Collaro record players from 60 cps to 50 cps operation.

The electrical outlets in some older flats are rated at 5 amperes which is inadequate to run a 1500 watt appliance load. Dry cells are cheap here; a flashlight battery is about sixpence. Mercury cells for camera flash guns are not common and are expensive.

OBITUARY

Sir Julian Pode

The Athlone Fellowships Managing Committee regret to announce the death of Sir Julian Pode in Cardiff in June 1968. Sir Julian followed Sir Claude Gibb as Chairman of the Athlone Committee in 1959 and held office until 1966 when he was succeeded by Sir Maurice Fiennes.

Sir Julian was born in Sheffield in 1902 and served in the Royal Navy during the first World War. He was a Chartered Accountant by profession and in this capacity entered the steel industry in 1926 when he joined Guest Keen and Nettlefolds Ltd. This company later amalgamated with Baldwins Ltd. to become Guest Keen Baldwins Iron & Steel Co. Ltd., of which Sir Julian became Managing Director in 1945. In 1947 he became Managing Director of The Steel Company of Wales Ltd. which was formed for the purpose of modernising the steel sheet and tinplate industries of South Wales. In 1962 Sir Julian became Chairman of the company.

Sir Julian had many interests outside his own company; he took an active part in the affairs of the British Iron & Steel Federation, the Iron and Steel Institute, the Confederation of British Industry etc. He was knighted in 1959, in which year he took on the Chairmanship of the Athlone Committee.

Richard C. Matheson

It is with deep regret that we report the death in London on 18th February, 1968 of Richard George Matheson. Dick was a 1964 Fellow from New Brunswick who spent his Fellowship at Imperial College studying concrete structures. After the termination of his Athlone award he remained at Imperial College to complete work towards a doctorate. He was on the final stages of this, and was in fact on the point of arranging his homeward journey, when he was taken ill in the early autumn of 1967.

Richard Matheson married just before he came to Britain to take up his Fellowship, and his wife Margaret accompanied him to this country. Their two children, a girl and a boy, were both born in Britain.

Margaret Matheson and the children have returned to Canada and are now living in Islington, Ontario, where Margaret has resumed her teaching career. We offer her and her family our deepest sympathy in their great loss.

T. Michael T. Elliott

It is with deep regret that we report the death in London on 14th November, 1968 of Thomas Michael Tonks Elliott.

Michael came to Britain on his Fellowship in September 1966 and went to Imperial College, London in the Department of Chemical Engineering and Chemical Technology, where he chose a Ph. D. programme in Nuclear Technology. He was making good progress in a difficult field when he was admitted to hospital in May 1968.

Michael, who obtained his B.Sc. in 1964 at Dalhousie University and his B.E. in 1966 at Nova Scotia Technical College, was married, and his wife, Evelyn, accompanied him to Britain when he took up the Fellowship. A daughter, Christine Clare Tonks, was born to them in London on 10th November, 1968.

Evelyn Elliott and her daughter returned to Canada in late November 1968.

We extend to Evelyn, and all relatives and friends, our deepest sympathy in their great loss.

TEAR OFF PAGE

Name _____ Date _____

Year of Fellowship _____ Canadian University _____

Address in Canada _____

Name and Address of employer _____

Present appointment and nature of work _____

Any promotion in employment since returning to Canada or since the last report _____

CHANGES OF ADDRESS OR ANY INFORMATION ABOUT FELLOWS WITH WHOM WE HAVE LOST TOUCH (MARKED * IN APPENDIX I) MAY BE TELEPHONED TO THE NEAREST BRITISH GOVERNMENT OFFICE IN CANADA.

PLEASE RETURN TO: THE SECRETARY, ATHLONE FELLOWSHIPS, BOARD OF TRADE, 1, VICTORIA STREET, LONDON, S.W.1, ENGLAND.

ATHLONE FELLOWSHIPS

NEWSLETTER No. 14

JANUARY 1970

Managing Committee in the United Kingdom

Sir Maurice Fiennes, C.Eng., F.I.Mech.E., (Chairman)
Sir Douglas Logan, D.C.L., LL.D., (Vice-Chairman)
Professor H. E. M. Barlow, B.Sc., Ph.D., F.I.E.E., F.I.E.E.E., F.I.Mech.E., F.R.S.,
(University College London)
Vacancy, (Board of Trade)
Professor E. G. Cullwick, O.B.E., M.A., D.Sc., F.I.E.E., F.R.S.E., (University of Dundee)
Mr. G. H. Doughty (Representing T.U.C.)
Mr. J. R. T. Douglas, B.Sc., (Federation of Civil Engineering Contractors)
Mr. J. H. Lawrence, F.C.A., (Scottish Engineering interests)
Captain B. E. W. Logan, R.N. (Retd.), (C.B.I.)
Mr. F. E. A. Manning, C.B.E., M.C., T.D., B.Sc.(Eng.), Hon. M.A., C.Eng., (Adviser)
Dr. J. M. Mitchell, (The British Council)
Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C., (Imperial College of Science and
Technology)
Miss J. M. Scrimshaw, (Department of Education and Science)
Mr. C. C. B. Stewart, C.M.G., (Foreign/Commonwealth Office)
Mr. I. M. Wilson, (Scottish Education Department)

Mr. T. W. Turner, M.B.E., (Secretary), (Board of Trade)

THE ATHLONE FELLOWSHIPS

NEWSLETTER No. 14

In presenting this edition, the Managing Committee wish to record their appreciation and thanks to all those in Canada and the United Kingdom who co-operate in the Athlone Scheme.

A new group of 47 Fellows arrived in Britain in September, 1969, bringing the total of awards to 763. The following table shows the relative distribution of programmes since the scheme started in 1951.

	<i>Two years industry or industrial consultants</i>	<i>Two years university college or research establishment</i>	<i>Mixed Course</i>	<i>One year only * = univ. / = industry</i>	<i>Total</i>
1951	8	21	9		38
1952	4	18	13		35
1953	16	11	10		37
1954	10	10	16		36
1955	8	12	17		37
1956	1	21	16		38
1957	2	28	6		36
1958	-	20	18		38
1959	-	27	14		41
1960	1	27	12		40
1961	1	29	10		40
1962	-	21	18	1*	40
1963	2	18	21	1*	42
1964	1	24	13	4*	42
1965	-	23	12	9 (8* 1/)	44
1966	1	21	15	7*	44
1967	-	26	10	9 (8* 1/)	45
1968	-	26	7	10 (9* 1/)	43
1969	2	22	11	12 (11* 1/)	47
	57	405	248	53	763

Of the 1967 group who completed their Fellowships in 1969, eighteen have remained in Britain to continue their studies.

The 1969 group

Twenty two of the 47 will spend the whole of their two years at university; two will spend the whole of their two years in industry. Eleven have elected to do one year at university and one in industry and the remaining twelve are 1-year Fellows, eleven of whom are going to university and one to industry.

Athlone Fellows Associations

The Officers of the three branches are:

- Quebec: F. H. Sutcliffe (Chairman)
149 Willowdale Street,
Dollard-des-Ormeaux,
PQ.
- W. S. Wilson (Secretary)
4913 Western Avenue,
Montreal 6.
- Pierre Bourassa (Treasurer)
c/o Banque d'Expansion Industrielle,
901, Victoria Square,
Montreal. (Tel: 866-2701)
- Réal A. J. Arsenault (Adviser)
c/o Surveyer, Nenniger and Chenevert,
1550 Blvd. de Maissonneuve W.,
Montreal. (Tel: 931-2261)
- Ontario: Jim Dooley (Chairman)
217 Glen Road,
Toronto, Ontario.
- William M. Rayner (Secretary/Treasurer)
201 Margaret Avenue,
Wallaceburg, Ontario.
- Paul B. Church (Social)
417, Thessaly Circle,
Ottawa 8.
- Manitoba: Rudolf H. Schilling (Secretary)
Department of Mechanical Engineering,
University of Manitoba,
Winnipeg.

So that records can be kept up-to-date, it would be helpful if former Athlones would notify changes of address for which a tear-off page is provided in this issue. Please send it to The Secretary, Athlone Fellowships, Board of Trade, 1, Victoria Street, London, S.W.1., England.

Fellows in Canada may instead write or telephone changes of address to any of the following British Government Offices:

OTTAWA	80, Elgin Street.	237-1530	
MONTREAL	635, Dorchester Boulevard West.	866-5863	
QUEBEC CITY	100, D'Youville Square.	525-5187	
TORONTO	200, University Avenue.	362-1223	
VANCOUVER	Bank of Nova Scotia Bldg., 602, West Hastings Street.	683-4421	
WINNIPEG	333, Broadway Avenue.	942-3151	
REGINA	815, Avord Tower, 2002, Victoria Avenue.	527-6459	
EDMONTON	Bank of Montreal Bldg., Jasper Avenue.	424-0481	
ATLANTIC PROVINCES	Centennial Bldg., 1645, Granville Street, Halifax, Nova Scotia.	422-7488	

INTERVIEW TOUR FOR THE 1969 AWARDS

by F. E. A. Manning, C.B.E., M.C., T.D., Hon. M.A., C.Eng.
(Athlone Fellowships Adviser)

I allowed myself time to visit Acadia and Moncton Universities as well as the twenty participating Universities which presented candidates for Fellowships. The extra visits were well worth while because we are not familiar in Britain with the practice of taking a part of an undergraduate course in Engineering at one University and the remainder at another. I have now seen several of these 'feeder' Universities in Canada and have assessed the advantages and the disadvantages of the system. A Faculty of Engineering is a very costly luxury (or status symbol, perhaps) and there are considerable economies to be achieved by keeping the number of degree-giving institutions to a minimum.

Two participating Universities had no candidates for interview but the remainder had 143 eligible candidates. This was an increase of 40 over the number in each of the two previous years and was totally unexpected. It was no doubt partly due to a general lack of sympathy with present conditions in the USA and to some uneasiness about the draft laws there. We were in some cases hard put to it to complete interviews of normal duration in the time programmed, which was based on the numbers interviewed at each centre in the last few years. However, I am sure that no candidate was put at a disadvantage and Boards were most co-operative in sitting for longer periods than they had expected.

There was a substantial increase of very good candidates. The possibility of opting for one-year Fellowships was popular and, as roughly 3 one-year Fellows can be taken for the same cost as 2 two-year Fellows, and also some 1968 Fellows unexpectedly decided to go home after one year, we were fortunately able to make offers to 47 candidates. Four of these declined for good reasons, such as a Rhodes Scholarship in one case and a Centennial Scholarship in another, but we were able to pick up excellent substitutes from the Reserve list. We actually welcomed 35 two-year and 12 one-year Fellows on September 18th 1969. This is the largest number of Awards we have made in any year and fully justifies the award of one-year Fellowships.

The different conditions applicable to A-group and B-group candidates have gradually been lessened over the years and have now finally been abolished, but for purposes of comparison I can record that, of the 143 who were interviewed, 119 would have been A-group and 24 would have been B-group under the old nomenclature. This was no marked change in relative proportions. There were no ladies among the applicants.

The 47 successful Fellows came from 19 different Universities, which was a gratifying spread, in fact the best since the 1963 selection for 1964 Fellowships. Two of the Fellows came over early in 1969 to start research work at Imperial College and Manchester University but they had to make their own financial arrangements. We cannot start Fellowships in advance of the arrival of the main body and also the cost per head for the chartered aircraft is increased, which adversely affects married Fellows who have to pay their wives' fares.

Since 33 of the 1968 vintage are still here, we have a total of 80 Fellows for 1969/70, made up of 70 in Universities and 10 in industry. There are Athlone Fellows in 17 different Universities, but in spite of the surprise I expressed last year at the small numbers in Scotland there is no one at all North of the Border this year.

HONORARY DEGREE FOR MR. F. E. A. MANNING (Adviser)

It is customary for the University of London to celebrate Foundation Day annually on the Thursday nearest to 28th November, for on this date in 1836 the Charter of the present University of London was sealed. The celebration now includes a Dinner followed by an Honorary Degree ceremony at which the Chancellor, Her Majesty Queen Elizabeth the Queen Mother, confers Honorary Degrees on those whom the Senate has resolved to honour. The inclusion of Engineers among the recipients is not frequent, but on 27th November, 1969, Sir Arnold Lindley, an outstanding English Mechanical Engineer, and Professor P. L. Nervi, the famous Italian Structural Engineer, received Honorary Doctorates. We are very pleased to report that our Adviser, Mr. F. E. A. Manning, also a Mechanical Engineer, received the Honorary Degree of Master of Arts. In his case the award was not in fact for Engineering achievements, nor for services to the Athlone Fellowship Scheme but for nearly 50 years of voluntary activities within the University of London, in connection with Students, Convocation and the Senate. One of his self-appointed tasks was looking after the finances of the University of London Union from 1928 to 1969, a period of 41 years and, to use his own words, 'They are not bankrupt yet!'

MISCELLANY

1. F. Cicci, a 1967 Fellow from the University of Toronto who is on a Ph.D. programme in Structural Vibrations at the University of Southampton Institute of Sound and Vibration Research, was co-author with his supervising professor of a paper entitled 'Methods of Reducing the Response of Integrally Stiffened Structures to Random Pressures'. The paper was presented at the Second Vibrations Conference of the ASME at Philadelphia, Pennsylvania in April, 1969 by Mr. Cicci, who reported that it was well received.

2. News of Canada

It is difficult to get much news of everyday events in Canada whilst in Britain and at the 1969 Conference the question was asked whether there was some organisation in the United Kingdom or Canada which copes with this problem.

We made numerous enquiries but were not able to find any trace of an organisation providing news of current everyday events in Canada. The Information Officer in Canada House told us that they receive many requests for this sort of thing but there is no news sheet published or issued to satisfy this need. He recommended the New York Tribune which is published in Paris and can be purchased in most of the larger British cities; this paper covers Canada in the larger items of news and some sports news.

The Bank of Montreal in Montreal issues a weekly news sheet intended for Canadian visitors to the Caribbean. They send about 100 copies to their London office but it is doubtful that they would undertake to distribute to Athlone Fellows.

Mr. Robert Duffy at Canada House (Press) receives a hand-out for Embassies only from Ottawa but he could not make this available for general distribution. An information sheet is produced every two weeks and enquiries about this should be made to Press Section, Canada House, Trafalgar Square, London W.C.1.

The Canadian Broadcasting Company transmits regular daily news bulletins on the shortwave band. These can be picked up in Britain quite clearly provided you have a set capable of receiving shortwave transmissions. The London offices of CBC will provide times and details of wavelengths on request.

3. Holidays in Britain

We have recently received details of the accommodation available at The Burn, a very attractive 18th century country house in Scotland which is administered by the Dominion Students' Hall Trust.

The Burn is available for the use of men and women students from the Commonwealth, South Africa and the United States, for either study or holidays. There are twelve double and six single bedrooms, six bathrooms, a large drawing room, library, work room, dining room and games room and the house is centrally heated throughout. It is situated 8 miles north of Brechin and mid-way between Aberdeen and Dundee. The entrance to the driveway is approximately 1½ miles north of Edzell village on the B.966 road. The Burn stands in beautiful surroundings at the foot of Glenesk, one of the most attractive glens in Scotland. The grounds are 140 acres, half of which is woodland; the country is quite unspoilt and ideal for walking.

Rates are quite reasonable for students being 21s. per day which includes accommodation and all meals; there are many recreational facilities. The Burn is fully licensed for normal licensing hours and cigarettes and soft drinks are available at all times when the staff are on duty. Complete details of the accommodation at The Burn can be obtained from the Controller, Lt. Colonel H. C. Harland, The Burn, Glenesk, Brechin, Angus, Scotland (Tel: EDZELL 281).

4. For the statistically minded

Newsletter No. 11, January 1967, gave an analysis of our records of the first 584 Athlone Fellows. The Adviser has now studied the whereabouts (so far as we know them) of the first 716 Fellows using the same general classifications as in Newsletter No. 11, the percentages in brackets are for comparison.

There are 295 or 41.2% (43.5%) in Canadian industry and 109 or 15.2% (13.5%) teaching in Canada. 59 or 8.2% (5.7%) are in Government or municipal service in Canada. 126 or 17.6% (17.6%) are still in the United Kingdom, and this number includes the current Athlone Fellows, those who have remained for further study and 18 who are in employment. No analysis of the remainder was given in January, 1967 but the figures for the current analysis are:- In the USA 37 or 5.2%; employed abroad but not in the UK or USA 7 or 1%; and 12 or 1.7% (including 4 deceased) are in minor classifications. There are 71 or 10% whose present whereabouts and occupations are unknown and we should welcome information from any reader of this Newsletter. Those with whom we have lost touch are shown by an asterisk beside their names in Appendix 1.

5. Marriages and Births

The Managing Committee extend congratulations and best wishes to the following Athlone Fellows who were married during 1969 after taking up their awards:

Ken F. Burrill	(1968 NSTC)
A. B. Cammaert	(1968 Waterloo)
M. A. Chappelle	(1967 Toronto)
Gary Elfstrom	(1968 UBC)
P. Daryl Erickson	(1967 UBC)
G. P. Harris	(1968 RMC)
R. E. Higgins	(1967 NSTC)
H. J. A. LaRiviere	(1968 Sir George Williams)
R. B. Maas	(1967 UBC)
N. C. Macey MacLean	(1968 UNB)
Brian D. Mitchell	(1967 Queen's)
Ron R. Smith	(1968 Alberta)
John S. Taylor	(1969 Queen's)

and to these who had additions to their families during the year:

Serge P. Bellier	(1968 Ecole Polytechnique)	- a son
Ted L. Cambridge	(1966 Waterloo)	- a son
John R. Ives	(1968 Queen's)	- a daughter
Hugh J. A. LaRiviere	(1968 Sir George Williams)	- a son
Guy P. J. Lemieux	(1968 RMC)	- a son
Frank R. McDonnell	(1967 RMC)	- a son
Malcolm L. Matthews	(1967 NSTC)	- a son
Andre Picard	(1969 Laval)	- a daughter
Michel Pigeon	(1967 Laval)	- a daughter
Doug. J. Robinson	(1967 UBC)	- a son

IN PURSUIT OF CULTURE - LONDON

by D. C. (Cam) McAlpine,
a 1967 Fellow from the University of Alberta. He has spent his two years of Fellowship studying Advanced Chemical Engineering at Imperial College in his first year and then working with Esso Petroleum Co. Ltd. for his second year. He has now returned to Canada.

Having casually mentioned in my half-yearly report to the Athlone Committee that I had been spending my spare time in London in the pursuit of culture, I was shortly thereafter asked to jot down a few lines on the topic for posterity. 'No time for such things' thought I; but after some careful consideration, the thought of being read by hundreds was too much. I agreed.

I have allowed myself the liberty of defining culture rather broadly, permitting me to mingle 'low brow' with 'high brow'.

Some of my greatest moments in the pursuit of the 'high brow' have been spent wandering the confines of Covent Garden while unofficially queuing for opera tickets. For the uninitiated, this is a twelve hour vigil (easily reduced to four hours if one makes the proper arrangements with friends) from 7.00 p.m. to 7.00 a.m., usually endured once every six to eight weeks (a Booking Period). All in aid of getting cheap tickets (Front and Rear Ampitheatre) to some of the best opera in the world - at least that is what I was told by some foreign gentleman who had seen 'Aida' nine times! I quickly became an expert at dodging the pushcarts full of cabbages, sprouts, carrots, etc. ('out o' me way, Mate' - with the 'a' pronounced 'i'); even lifted an orange off the rear of a lorry when it got stuck in one of the unnumerable, narrow side streets in the market area and was convinced that Henry Higgins must still be alive and well (possibly hiding out in Moss Bros. just down the street!) During my third session I became fully engaged in a discussion on the Ring Cycle (a set of Wagnerian operas - something which came to light after the discussion was over) and later added my 2s. 6d. worth on the virtues of Verdi over Wagner (a complete bluff). And to cap it all, I even led the 'Bravo, Bravo' in my section of the Front Ampitheatre after 'La Traviata'. A wonderful experience not to be passed up.

To further expand my cultural education, I began going to the Symphony; first, just to see what the inside of the Festival Hall was like (the pipe organ was magnificent) but finally because I began to enjoy the music. After starting on the classics of Beethoven and Tchaikovsky, I slowly progressed to such heights as 'Concertos for Four Harpischords'. But I'll still remember the looks of disapproval (and quiet whispers of 'boor') when I jumped out of my seat at the Albert Hall as the cannons roared (must have the proper sound effects for the 1812 Overture) and continued echoing and belching smoke through that cavernous auditorium. And lying in Holland Park on Sunday evenings in August (hoping it won't rain), enjoying the strains of music that float back through the sounds of rustling leaves and roaring jets.

I think I enjoyed the theatre the most though, both in and out of the West End. Always the cheap seats in the Upper Circle or Gallery; always the long, long climb up the stairs, which inevitably start from a little door down the side of the theatre - never from anywhere inside the main foyer! Segregation of the peasants - but I enjoyed every minute of it, probably more than those in the front stalls with their intermission bottles of champagne. Great comedies, intense drama, the social message and musicals of all types; the West End has everything! Everything, that is, except the National Theatre which is across the river at the Old Vic. I was lucky enough to have my name drawn for tickets to the Old Vic a few times and only regretted not getting there for more productions. The acting was always superb and the sets always intrigued me. I shall not soon forget such things as the wit and dialogue in 'Rosencrantz and Guildenstern are Dead' or the depression and final orgy scene in 'Oedipus'.

Which reminds me of my local pub, 'The Hand and Flower' on High Street Kensington; the quiet pint almost every evening at 10.30; the charming hostess Norah, the Dutch birds (thanks for the intro, Norah); the two pints already on the counter as we approach (thanks Tim), the many discussions with Bill (the Guv), and Arthur, Harry, George, all locals of long standing, the regulars along the bar (in the same place every night). It's this part of English culture I shall miss the most. The riverside pubs, up in Richmond, down by the docks, near the Hammersmith Bridge;

the musical pubs, country and western at the 'Nashville Room', old rock at the 'Red Cow', the loud Cockney ones in Rotherhithe, the Sunday afternoon jazz at the 'Kensington'; the quaint, old, classic pubs, the 'Mitre' in Hatton Garden, 'Anchor Inn' Bankside, and numerous others everyone knows about; they are all enjoyable, always fun, but still not the same as the relaxing atmosphere of the local.

Culture is everywhere in London, to be enjoyed always, be it 'high brow' or 'low brow', the quiet pub or the opera.

CAN A CANADIAN TEACHER EVER TEACH IN AN ENGLISH SCHOOL AND FIND TRUE HAPPINESS?

by Heather MacKenzie,

(Mrs. MacKenzie is the wife of Alex W. MacKenzie a 1967 Fellow from the University of Western Ontario. He did one year in industry in Britain and one year at Imperial College).

The purpose of the following is to help Canadian teachers wishing to teach as qualified teachers in state schools in England. It is in your best interests to register with the Department of Education and Science as you are then ensured the higher salary rates for state schools ('Burnham' rates). Although salaries are low by Canadian standards, visiting teachers are allowed to teach in England for two years tax-free.

A short explanation of the English state school system would perhaps enlighten you as to what differences you may expect in the schools. Generally these schools are quite well equipped and are under the guidance of a headmistress or headmaster. The school term begins in early September and ends approximately during the third week in July. Although your school year may appear long, there are several holidays during the three terms.

Infants begin school at the age of five and when seven leave their infant class to enter Primary schools, where they are 'Juniors'. Here they stay until eleven years of age, when they have to sit for the 'Eleven Plus' exams, which are controversial at the moment, as their value is being questioned. On the basis of these exams (or where they have already been abolished, on the basis of their Primary school performance) the pupils are selected for either the academic (Secondary) Grammar School or the vocational Secondary Modern School. In some areas the pupils enter into a Comprehensive School which bases their entry qualifications upon previous work the pupils have done. Here they are 'streamed' according to their level of attainment in Primary school. At either the Grammar or Comprehensive School, pupils write their 'O' level (Ordinary) exams when fifteen or sixteen. Those who do not leave school at fifteen or sixteen may write their 'A' levels (Advanced) when they are ready, usually at the age of eighteen. If the required number of 'A' level passes are obtained, these students may attend college or university. The Secondary Modern school offers its graduates a certificate, or a limited number of 'O' level opportunities are available, but 'A' level examinations are not written. A number of pupils from Secondary Modern schools transfer to Grammar Schools at sixteen years of age to do 'A' levels and some others gain these by attendance at Technical Colleges or Colleges of Further Education, usually on a part-time basis.

If you would be a teacher in Britain, before you leave Canada you gather all testimonials, a statement from your provincial education authority concerning your qualifications and experience, if possible, and your certificate or degree. Anything relevant to your qualification as a teacher should be taken. But before you leave Canada you should contact the Department of Education and Science, Teachers' Qualifications Branch, Honeypot Lane, Stanmore, Middlesex, England telling them of your intention to teach in Britain and asking for the necessary forms. Start these enquiries as soon as you can.

Let us now assume that you have been registered as a qualified teacher with the Department of Education and Science. Your next step will be to find a teaching vacancy. The most frequently consulted paper is The Times Educational Supplement which comes out weekly. This lists vacancies all over England. The local papers are another source of vacancies. Should you contact any of the advertising schools, you will be forwarded a questionnaire (usually) and if your reply satisfies their requirements, you will be notified of an interview time. If you are offered the position you may accept or decline as you have the liberty of answering as many educational advertisements as you wish. There is also an American School in London for which there seems a rather long waiting list for full-time teaching, but part-time is available. Also, there are educational agencies willing to locate a position for you and these advertise in The Times Educational Supplement. You may advertise if you wish.

My two years in England were spent teaching full-time in Church of England schools which are part of the State schools system. My previous qualifications and experience consisted of a Permanent Elementary Certificate and two years of teaching, Grade Two, in Alberta, Canada.

The rigid curriculum I taught in Alberta did not prepare me for the free method used in modern British schools. Infant schools all over England have been changing to the 'learn through play' method whereby the time spent on different subjects varies with the needs of the children and the teacher is only a guide. This change was very difficult for me to make and only in my second year did I begin to understand the aims of this method and move the children along with confidence. This way of teaching is most challenging to the teacher but can also be very frustrating when you are faced with fortytwo children all doing something different at a given time (an average sized class). As yet, the Plowden Report offers the best explanation of the British idea of free expression in education.

When I look back upon my two years spent teaching here, I honestly feel that I will be a better teacher as a result of this exposure to a totally different educational outlook, although I understand that in my absence Canada has made the switchover in some areas. I realize the advantages and limitations of both educational systems but feel that I was given a much freer hand in England, and was not bound by as many restrictions. For this reason I enjoyed my teaching in Britain as I am sure any enthusiastic Canadian teacher would.

REPORT OF THE WORKING PARTY ON THE INDUSTRIAL TRAINING OF OVERSEAS NATIONALS

The Working Party was set up in July 1968 to review present arrangements in the United Kingdom for the industrial training of overseas nationals, particularly from the point of view of what contribution these trainees can be expected to make to furthering Britain's export trade. Also considered was the work being done in this field by the United Kingdom's trading competitors and whether any changes might be made in existing British arrangements in the interests of export promotion.

It is not intended to go into the details of the Working Party report the recommendations of which have been accepted by the British Government. A large cross section of British industry was approached for comments and suggestions on the current training programmes and these were fully examined by the Working Party. The Athlone Fellowships scheme was included. The Report was published on 26th September, 1969; copies may be purchased from Her Majesty's Stationery Office, 10s.

The main conclusion of the Working Party was that there should be a shift within the ceiling of present Government expenditure from the current concentration on Canada to more being done for trainees from the rest of the Commonwealth, Europe and the developing countries. They recommend that the Athlone Fellowships scheme should end. Current awards will run their normal course.

The Working Party found that the Athlone scheme had worked very well and had made a valuable contribution over the last eighteen years. However, since the inception of the scheme in 1951, Canada has rapidly developed in all spheres and can now offer extensive training facilities herself. It is also a fact that there is now a much wider knowledge in Canada of what the United Kingdom has to offer in the way of engineering exports.

Of the major block of Government expenditure on training programmes - the £140,000 per annum spent by the Board of Trade - over two thirds goes on the Athlone scheme and the Working Party considered that it was no longer right to devote such a high proportion of the resources available to a single country.

The recommendations are that:

- (a) a British Office for Trainee Exchange be set up to encourage the exchange of trainees not only between Britain and the rest of Europe but also with other developed countries;
- (b) increased Government support should be given to the Overseas Scholarships Scheme of the Confederation of British Industry. This Scheme, instituted in 1950, brings to Britain about 100 scholars a year from the Commonwealth and developing countries for training in a wide variety of engineering industries;
- (c) the Institute of Directors, whose scheme brings overseas nationals to Britain for intensive tours of industry, should be helped to expand their scheme;
- (d) the Athlone scheme should be ended (and the money currently spent on the scheme diverted to the other recommendations). The usual number of Athlone Fellowships will be offered in 1970, thereafter no further awards will be made. The Fellows appointed in 1970 will be the last. But Canada will be included in the expanded CBI Overseas Scholarships Scheme, on the same basis as other Commonwealth developed countries;
- (e) finally, the Report suggests that training by private industry might be helped if more overseas nationals were made eligible for training grants under the Industrial Training Act, 1964.

ATHLONE FELLOWSHIPS

NEWSLETTER No. 15

JANUARY 1971

THE ATHLONE FELLOWSHIPS

NEWSLETTER NO. 15

January 1971

With the compliments of the Secretary to the Managing Committee

Department of Trade & Industry
1, Victoria Street
LONDON, S.W.1

Managing Committee in the United Kingdom

Sir Maurice Fiennes, C.Eng., F.I.Mech.E., (Chairman)

Sir Douglas Logan, D.C.L., LL.D., (Vice-Chairman)

Professor H. E. M. Barlow, B.Sc., Ph.D., F.I.E.E., F.I.E.E.E., F.I.Mech.E., F.R.S., (University College London)

Professor E. G. Cullwick, O.B.E., M.A., D.Sc., F.I.E.E., F.R.S.E., (University of Dundee)

Mr. G. H. Doughty (Representing T.U.C.)

Mr. J. H. Lawrence, F.C.A., (Scottish Engineering interests)

Captain B. E. W. Logan, R.N. (Retd.), (C.B.I.)

Dr. F. E. A. Manning, C.B.E., M.C., T.D., M.A., D.Eng. (Adviser)

Dr. J. M. Mitchell, (The British Council)

Mr. N. E. Robins (Department of Trade & Industry)

Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C., (Imperial College of Science and Technology)

Miss J. M. Scrimshaw, (Department of Education and Science)

Mr. C. C. B. Stewart, C.M.G., (Foreign & Commonwealth Office)

Mr. I. M. Wilson, (Scottish Education Department)

Mr. A. M. Redrup, (Secretary), (Department of Trade & Industry)

THE ATHLONE FELLOWSHIPS

NEWSLETTER NO. 15

In presenting this edition, the Managing Committee wish to record their appreciation and thanks to all those in Canada and the United Kingdom who co-operate in the Athlone Scheme.

A new group of 47 Fellows arrived in Britain in September, 1970, bringing the total of awards to 810. The following table shows the relative distribution of programmes since the scheme started in 1951.

	<i>Two years industry or industrial consultants</i>	<i>Two years university college or research establishment</i>	<i>Mixed Course</i>	<i>One year only * = univ. / = industry</i>	<i>Total</i>
1951	8	21	9		38
1952	4	18	13		35
1953	16	11	10		37
1954	10	10	16		36
1955	8	12	17		37
1956	1	21	16		38
1957	2	28	6		36
1958	-	20	18		38
1959	-	27	14		41
1960	1	27	12		40
1961	1	29	10		40
1962	-	21	18	1*	40
1963	2	18	21	1*	42
1964	1	24	13	4*	42
1965	-	23	12	9 (8* 1/)	44
1966	1	21	15	7*	44
1967	-	26	10	9 (8* 1/)	45
1968	-	26	7	10 (9* 1/)	43
1969	2	21	11	13 (12* 1/)	47
1970	2	22	10	13 (12* 1/)	47
	<u>59</u>	<u>426</u>	<u>258</u>	<u>67</u>	<u>810</u>

Of the 1968 group who completed their Fellowships in 1970, eighteen have remained in Britain to continue their studies.

The 1970 group

Twenty-two of the 47 will spend the whole of their two years at university; two will spend the whole of their two years in industry. Ten have elected to do one year at university and one in industry and the remaining thirteen are 1-year Fellows, twelve of whom are going to university and one to industry.

Athlone Fellows Associations

The Officers of the four branches are :

- Quebec:**
- F. H. Sutcliffe (Chairman)
149 Willowdale Street,
Dollard-des-Ormeaux, P.Q.
- W. S. Wilson (Secretary)
4913 Western Avenue,
Montreal 6.
- Pierre Bourassa (Treasurer)
c/o Banque d'Expansion Industrielle,
901 Victoria Square,
Montreal.
- Real A. J. Arsenault (Adviser)
c/o Surveyer, Nenniger & Chenevert.
1550 Blvd. de Maisonneuve W.,
Montreal.
- Ontario:**
- J. H. (Jim) Flett (Chairman)
63 Leisure Lane
Richmond Hill,
Ontario. (Tel.: 884-2746)
- T. A. (Tom) Croil (Vice-Chairman)
15 Scarth Road,
Toronto. (Tel.: 921-5220)
- G. A. (Glen) Pearce (Secretary/Treasurer)
R.R. 2,
Rockwood,
Ontario. (Tel.: 1-854-2252)
- D. J. (Dave) Sefton (Social Convenor)
552A Eglinton Avenue East,
Toronto 12. (Tel.: 481-9834)
- Manitoba:**
- Rudolf H. Schilling (Secretary)
Department of Mechanical Engineering,
University of Manitoba,
Winnipeg.
- Nova Scotia:**
- F. E. F. (Fraser) Dunford (Secretary)
Department of Industrial Engineering,
Nova Scotia Technical College,
Box 1000, Halifax, N.S.

So that records can be kept up-to-date, it would be helpful if former Athlones would notify changes of address, for which a tear-off page is provided in this issue. Please send it to: The Secretary, Athlone Fellowships, Department of Trade & Industry, 1 Victoria Street, London S.W.1, England.

Fellows in Canada may instead write or telephone changes of address to any of the following British Government Offices:

OTTAWA	80 Elgin Street.	237-1530
MONTREAL	635 Dorchester Boulevard West.	866-5863
QUEBEC CITY	La Laurentienne 500 Grand-Allée Est.	525-5187
TORONTO	200 University Avenue.	362-1223
VANCOUVER	Bank of Nova Scotia Bldg., 602 West Hastings Street.	683-4421
WINNIPEG	333 Broadway Avenue.	942-3151
REGINA	815 Avord Tower, 2002 Victoria Avenue.	527-6459
EDMONTON	1404 Three McCauley Plaza, 10025 Jasper Avenue.	424-0481
ATLANTIC	Centennial Bldg., 1645 Granville Street, Halifax,	
PROVINCES	Nova Scotia.	422-7488

NEWS FROM THE ATHLONE ASSOCIATIONS

1. Nova Scotia Athlone Association

There are enough Athlones in Nova Scotia to warrant an association. Since not one Athlone in the province could see any need for a formally structured association, the N.S.A.A. has been set up with a very loose structure. This structure is: (1) we are Athlones and (2) we have one officer who, for want of a better name, we entitle "Secretary". The N.S.A.A. exists to provide a means of communication and fellowship amongst all Athlones in Nova Scotia. It currently has no other purpose although if a scheme similar to the Athlone Fellowships is to run after the end of the Athlone Scheme, it would naturally count support of this scheme as another purpose.

If you are an Athlone living in Nova Scotia and you have not already heard from us, please contact the Secretary at the address below. The Secretary welcomes letters from any Athlones and will be pleased to provide any assistance he can.

Fraser Dunford,
Department of Industrial Engineering,
Nova Scotia Technical College,
Box 1000,
Halifax, N.S.

2. Ontario Athlone Fellows Association

An article from the Ontario association on the continuation of an Athlone type scheme can be seen on page 8 of this edition. The Executive Committee of the association for the year 1969-70 is as follows:

Chairman : J. H. (Jim) Flett	63 Leisure Lane, Richmond Hill	884-2746 (Home) 889-5473 (Work)
Vice-Chairman : T. A. (Tom) Croil	15 Scarth Road, Toronto	921-5220 (Home) 927-1633 (Work)
Secretary-Treasurer : G. A. (Glen) Pearce	R.R. 2, Rockwood	1-854-2252 (Home) 365-6954 (Work)
Social Convenor : D. J. (Dave) Sefton	552A Eglinton Avenue East, Toronto 12	481-9834 (Home)
Past Chairman : J. E. (Jim) Dooley	217 Glen Road, Toronto 287	920-6187 (Home) 928-2826 (Work)
Members at Large:		
J. C. (Jim) Clark	408 Pepper Drive, Burlington	1-634-8755 (Home) 1-544-2831 (Work)
T. A. (Tom) Gladney		531-3015 (Home) 861-3111 Ext. 4071 (Work)
J. S. (John) Hewitt	89 Nymark Avenue, Toronto 427	222-7366 (Home) 928-3064 (Work)

INTERVIEW TOUR FOR THE 1970 AWARDS

by Dr. F. E. A. Manning, C.B.E., D.Eng., (Athlone Fellowships Adviser)

An article concerning the Report of the Working Party on the Industrial Training of Overseas Nationals appeared in Newsletter No. 14. This Report was made public on 26th September 1969, and we immediately notified the Deans of Engineering in the 22 participating universities. I visited 20 of these during my tour, which started while the news of the ending of the Athlone Scheme was still very fresh in everyone's mind. Although there was universal regret that the selections shortly to be made would be the last, there was not very much surprise: many had expected the scheme to end at the time of the financial crisis in Britain preceding devaluation.

My tour was all too brief, because every university wished to have some ceremony at which thanks could be expressed to the U.K. Government for the Fellowships and also to those in the United Kingdom who had played a part in the running of the scheme. I was indeed fortunate in holding the post of Adviser during the last interview tour, and thus receiving personal tributes which really covered the work of many others who gave their best endeavours to making the Athlone Fellowships successful. The tributes paid touched me deeply and I have many souvenirs to remind me of some of the happiest times in my long life. I am so very glad to have this opportunity of thanking scores of Canadian men and women, not by any means all from the academic world, for their kindness, hospitality and friendship in the last ten years. Although this Newsletter will only be seen by a few of the many members of the British High Commission and British Government Offices in Canada who helped and befriended me, I would like to thank them also.

A total of 146 candidates from 21 universities were considered by their Deans to be suitable for interview. One was ineligible on age grounds, one did not attend owing to illness, and four withdrew before interview so that 140 were seen by the boards. Although the total number was about the same as in the previous year (when 143 were seen), the distribution varied somewhat, the most interesting change being 32 from the three universities in Montreal against 20 in 1968. 12 of these 32 were offered Fellowships compared with 5 out of 20 in 1968. Under the old grouping into 'A' and 'B' candidates, there would have been 132 'A' and 13 'B' candidates against 119 'A' and 24 'B' in 1968, and 92 'A' and 16 'B' in 1967, ineligible candidates being omitted in each year. These figures show that most candidates were students at the time of interview and in fact the number in full-time employment (the former 'B' group) was the lowest on record. There were no lady candidates.

As in the previous year, we were able to make offers to 47 candidates. Four declined, but one of these accepted a Commonwealth Scholarship instead. It was easy to fill these four vacancies from excellent reserves and 34 two-year and 13 one-year Fellows duly reached the United Kingdom as the last batch of Athlone Fellows, making a total of 810 in the twenty years of the scheme. I was hoping to record that every participating university would have a representative in the final group, but in fact only 18 had successful candidates and one of these is represented by a M.Sc. graduate who took his first degree elsewhere. The calibre is high, as indicated by the brilliant records of many who graduated in 1970, after the selections were made and the awards announced.

We have 34 Fellows remaining from the 1969 intake and so we have a total of 81 Fellows for 1970/71, made up of 69 in universities and 12 in industry. There are Athlone Fellows in 19 universities in the United Kingdom; this is a very good spread, but only two are in Scotland.

FURTHER UNIVERSITY HONOURS FOR DR. F. E. A. MANNING (ADVISER)

In Newsletter No. 14 it was recorded that Dr. Manning had received an Honorary Degree from the University of London. We did not know then that the University of London Students Union had also honoured him by renaming their Assembly Hall "The Manning Hall". Simultaneously, the City University conferred upon him Life Membership of the University's Court with the words "your services to the university have been such that [the Council] felt that this Life Membership might be some small recognition of all that you have done".

On 6th May 1970, the 61st Convocation of the Nova Scotia Technical College in Halifax was held, and three honorary degrees were awarded. The ceremonies took place in the Sexton Memorial Gymnasium and the Canadian Armed Forces Band was in attendance. We are pleased to report that our Adviser was granted the degree of Doctor of Engineering, Honoris Causa, for his sterling work for the Athlone Fellowships.

Dean G. G. Meyerhof read the citation, which paid a splendid tribute to Dr. Manning, and asked the President to confer the degree upon him "for distinguished services to his profession and country and for his devotion and personal contribution to the further education and training of many Canadian engineers". This tribute to his work as Athlone Fellowships Adviser is echoed by the sentiments of the Managing Committee and all those who during his ten years as Adviser have met Dr. Manning, especially the 472 Fellows who have come to Britain during this time.

RETIREMENT OF MR. T. W. TURNER MBE., ATHLONE FELLOWSHIPS SECRETARY

Mr. T. W. Turner, MBE., retired from the Civil Service in April 1970. He had been Athlone Fellowships Secretary and actively administered the scheme for 6 years during which time he met 265 Fellows, over a quarter of the total number of Athlone Fellows who have come to Britain. He was well known and respected by all those connected with the scheme and there have been very many tributes from Fellows to his sympathetic help and consideration.

The Managing Committee wish to express their sincere gratitude for Mr. Turner's endeavours during his time as Athlone Secretary and their hope that he will enjoy a long and happy retirement.

CAN A SUBSTITUTE FOR ATHLONE BE FOUND?

by the Executive Committee of the Ontario Athlone Association

Since 1951, Her Majesty's Government in the United Kingdom, acting through the Board of Trade - now the Department of Trade & Industry - has sponsored the Athlone Fellowships Scheme whereby 40 or so young Canadian engineering graduates annually took up postgraduate training in the U.K. The individual programmes normally included two years at a university, two years in industry or a year in each. The scheme has served many purposes by giving Canadian engineers the advantage of obtaining some of their training in a technically advanced and industrially mature country, while at the same time giving them the opportunity to explore the culture and way of life in the British setting. Important also was the economic purpose of fostering trade and cultural links between the two countries.

For a variety of reasons, Britain has now decided to end the scheme when the 1970 Fellows return to Canada after completing their awards in 1972. It is doubtful if there are any former Athlone Fellows for whom this is not saddening news, as most of them have, for a variety of reasons, attached great value to their years lived in the U.K. Mainly because of this they would like to see some form of the scheme continue for the benefit of more than one generation of Canadians.

The members of the Executive Committee of the Athlone Fellows Association in Ontario have considered the feasibility of creating Canadian-sponsored Fellowships intended for engineering and related studies in the United Kingdom and perhaps Europe and even Asia. It is intended that these Fellowships will resemble in many ways the Athlone Fellowships.

The continuance of a Fellowship programme would be based upon the premise that study outside the North American sphere of influence would be both beneficial to the individual and to society at large - especially if there would be a sizeable number of Fellows. It is also felt that a knowledge of foreign countries derived from living in these countries would be beneficial in expanding Canadian markets abroad and in promoting goodwill and understanding.

At the present time there is a severe shortage of bodies sponsoring postgraduate work outside North America. Money is extremely hard to come by, but if programmes are not continued now, there could be severe long-term consequences.

With the necessary funds for continuing an Athlone type programme, there is the problem of administering the scheme. A considerable portion of the funds collected would have to go into the expenses for the selection of candidates, the salaries of full and part-time administrators and secretaries, consultants' fees and expenses for arranging the Fellows' programmes abroad. In view of the nature of the activity, it seems logical that the Fellowships would be administered most efficiently by existing organisations which automatically have access to many of these services. The most likely bodies to be approached are the engineering societies in Canada, such as the provincial licensing bodies and national technical societies. The Fellowships Managing Committee could be composed of representatives of these societies as well as former Athlone Fellows.

With regard to administering to the Fellows' needs in the United Kingdom or other European countries, one cannot hope to duplicate the "local" guidance which has been provided in the past by the Board of Trade. Also, for the initial placement of Fellows, one would expect to rely heavily on the candidates' own initiative and on advice they can get via the contacts of their professors, engineering acquaintances and former Athlone Fellows. It would, however, be worthwhile approaching the Department of Trade & Industry for their advice as to what arrangements might be made about the placement of Fellows. The European Organisation for Economic Co-operation, or other bodies may prove willing to assist in the placement of Fellows in Continental countries.

A number of methods have been suggested for financing the proposed scheme. They include:

- (a) total financing by the Fellows themselves - past and present Athlones and future Fellows
- (b) petition the Canadian Government to continue the programme, supported by the British Government for 20 years, to the great benefit of Canada
- (c) ask a foundation established by private enterprise, such as the Rockefeller Foundations or the Ford Foundation, etc., for support
- (d) make the Canadian Fellowships into a project of the engineering societies previously mentioned

- (e) a combination of (a) in conjunction with support from one or more of the other sources. A good system might be one in which the various possible sources mentioned would pledge amounts depending upon what the Athlone Fellows themselves would be willing to contribute.

It is estimated that \$200,000.00 per year would be required to operate this scheme on any reasonable basis. Loyal as "old" Athlone Fellows may be, it is not likely we can raise such a large amount each year from internal contributions. It is very evident that funds must be solicited from other sources.

We invite comments from all parties reading this discussion. We are interested in hearing from the Department of Trade & Industry, the E.I.C., the A.P.E.O., etc., from possible donors and especially from Athlone Fellows.

The immediate decisions to be made are:

- (i) to abandon forever the idea of continuing some form of the Athlone Fellowships,
- (ii) to postpone the idea of setting up the continuing programme until a more hospitable economic climate prevails, or
- (iii) persevere immediately in an attempt to continue some form of the Athlone Fellowships Scheme.

We await your comments.

Editor's note: *Correspondence on this article should be addressed direct to the Chairman of the Executive Committee of the Ontario Athlone Fellows Association, whose address is shown on page 4.*

ATHLONE FELLOWSHIPS - CONTINUING THE NEWSLETTER

by Dr. J. D. Brown (1958 N.S.T.C.) and F. E. F. Dunford (1967 Queen's)

One of the casualties of the decision to terminate the Athlone Fellowships Scheme is the Newsletter, with this being the penultimate issue. How many of us have seen that blue cover appear in the mail and felt a warm surge of recollection and, if only for a short time, a feeling of belonging to something quite special. The Newsletter may be a tenuous link but it is nevertheless, a link with our "Fellows". How quickly will we begin to lose track of who is where and doing what when the present Newsletter stops.

With these thoughts in mind, we have considered the feasibility of continuing the Newsletter in some form, but there are also certain practical reasons for continuation. There is a strong feeling among many Athlones that the scheme should be continued. Any replacement scheme which might be devised would require full support from ourselves. The necessity and desirability of maintaining a Newsletter as a means of keeping in contact through the period of establishing a new Fellowship Scheme are self-evident.

We Athlones at Nova Scotia Technical College are prepared to undertake the job of producing a Newsletter. We solicit your support. Preliminary estimates indicate that a Newsletter of some 70 pages, sufficiently big to contain address lists and contributed articles, could be printed and distributed for approximately \$1.25 per copy. For a first issue subscription, would you be willing to pay \$2.00 with a reduction in succeeding years? If so, stand up and be counted. If sufficient support is indicated by the return of the form which is the bottom half of the tear-off page, we will proceed in our intention. If insufficient support is indicated we will, with regret, forget the whole idea. So too, in that case, may the people who are working to keep the Athlone Fellowships alive forget the whole idea.

MISCELLANY

1. Department of Trade and Industry

Several changes in the machinery of government in Britain were announced on 15th October, 1970. The effect of these changes has been the merger of the Board of Trade with certain divisions of the Ministry of Technology to form the new Department of Trade and Industry. The administration of the Athlone Fellowships Scheme has become the responsibility of this new Department. The address for correspondence remains the same as for the Board of Trade, i.e. 1, Victoria Street, London, S.W.1, England.

2. Athlone Newsletter

This is *not* the last edition. The 1972 Newsletter will be the last issued by us and, with this in mind, we should like it to be as complete and up to date as possible in respect of addresses and occupations. Such information and any articles for publication should be addressed to The Secretary, Athlone Fellowships Managing Committee, Department of Trade & Industry at the address mentioned above, and should reach us before 31st October, 1971.

On page 10 of this edition there is an article from the Nova Scotia Athlone Association suggesting that the Newsletter should be continued in some form after the 1972 edition to maintain the links between Fellows. You are urged to complete the bottom half of the tear-off page and return it to Dr. J. D. Brown at N.S.T.C. so that he and his colleagues can gauge the support for their suggestion.

3. Congratulations

To 1957 Fellow J. A. G. St. Pierre who, in May 1970, was elected to the post of Minister of Education in the Provincial Government of Quebec. The Managing Committee were pleased to learn of this appointment and extend their sincere congratulations to M. St. Pierre.

4. News of Canada

In the last edition of the Newsletter we gave as much information as we could on the available means of getting news of everyday events in Canada whilst in Britain. We have kept an eye on this subject throughout the year, and apart from one new source of information, can only reiterate our previous advice.

The new source will however only benefit those Fellows near to major airports in Britain. We are told that, on request, Air Canada offices at these airports will produce day-old copies of national and some local Canadian newspapers. We believe that these will be given away free.

5. Holidays in Britain

Last year details were given of the accommodation available at The Burn, an attractive 18th century country house in Scotland administered by the Dominion Students' Hall Trust. Whilst the details remain the same we have been advised that accommodation can be difficult to secure outside the holiday months of July and August. Visitors are encouraged but should bear this point in mind when making enquiries.

6. Employment in Canada

At the 1970 Athlone Conference the question was raised of whether the closure of the Athlone Scheme would affect the status of Athlone Fellows in the eyes of future employers in Canada. The Adviser replied that there was no reason why it should. The scheme has not been stopped because it failed; on the contrary, the number of applicants for places in its final year was the largest since 1961. If, as is generally accepted, Canadian employers find Athlone Fellows to be of a high standard, there is no reason to suppose that they will change their minds about Fellows in the final groups. We are confident that present Fellows will be welcomed by employers in Canada with as much enthusiasm as those who went before.

7. Marriages and Births

The Managing Committee extend congratulations and best wishes to the following Fellows who were married during 1970 after taking up their awards:

Jack J. Belletrutti	(1969 Sir George Williams)
Bob L. Gilbert	(1969 Waterloo)
John M. Kerr	(1969 Toronto)
Yvon Maurice	(1969 Laval)
Ken. G. Miles	(1968 Windsor)
Paul F. Stojak	(1969 Saskatchewan)

and also to the following who have had additions to their families during the year:

Michael M. Avedesian	(1969 McGill)	- a son
Frank R. Campbell	(1967 N.S.T.C.)	- a son
Richard E. Charlebois	(1970 Ottawa)	- a son
Mrs. Monique Frize	(1967 Ottawa)	- a son
Stan S. Hodge	(1968 Manitoba)	- a daughter
John M. Kerr	(1969 Toronto)	- a son
Otto I. Szentesi	(1966 Alberta)	- a daughter
Bill J. Wilson	(1969 Saskatchewan)	- a daughter

BRASS-RUBBING

by J. D. (Doug) Macdonald, 1966 and 1969 Fellow from Toronto

Doug spent his first year at University College Swansea but was unable to complete the two years of his award because of a serious motor accident. He applied again and was awarded a 1-year Fellowship for 1969 and during that year he worked with Cremer & Warner.

When my wife and I arrived in Britain for the first time in 1966, we thought brass-rubbing was a job for kind, little old ladies who didn't want the parish church's pair of fourteenth-century candlesticks to get tarnished. Four years (two spent in the U.K.) later, several thousand miles of country lane further and a few pounds poorer, we know better. Brass-rubbing is an occupation for masochistic North Americans who are prepared to pay for the privilege of acquiring a bad case of "housemaid's knee" by kneeling on the floor of a cold parish church for up to four hours and rubbing furiously with a stick of black waxy stuff on a sheet of paper.

For those who have not heard of brass-rubbing, or perhaps have seen one but not recognised it as such, here is a somewhat more useful explanation. From the mid-thirteenth to the late seventeenth century, one of the more fashionable ways of ornamenting a tomb was to set into its upper surface a flat brass plate, usually in the rough outline of a person, with lines incised deeply into it to form a sort of portrait of the lady or gentleman (or both) interred beneath. The resulting effigy was not usually meant specifically to be a likeness of the deceased but rather, by his costume, to give some idea of his station in life. As only fairly wealthy and influential individuals could manage a) to be buried in church and b) to pay for a tomb and brass plate, most brasses depict knights (or wealthy men who fancied themselves as knights), ecclesiastics, wool merchants, wives of the foregoing, or others of the influential professions of the Middle Ages.

Although most of the brasses (upwards of 80%) originally laid down have not survived through vandalism, theft and just plain wear, hundreds still remain dotted all over England (a few in Wales and Scotland): some in tourist haunts like Westminster Abbey, others, sometimes even more interesting than those in the famous places, hidden under mouldy rugs in churches, almost forgotten except by those people who live nearby.

Someone a hundred years or so ago hit on the bright idea that if you covered one of these brasses with a sheet of paper and rubbed on the surface of the paper with something black and smudgy, where the surface of the brass underneath was flat a smudge would be left and where the lines were incised the paper would remain white. The final result would be a sort of negative picture of a knight, or whatever, in black on a white background. Over the past hundred years, the materials have most certainly improved but the technique has not changed at all.

As well as making excellent decorations for future homes in Canada, brass-rubbings are a way of taking back with you an exact copy, produced from the original with your own sweat and blood, of a part of mediaeval England. Interested in trying this pastime? A few words of advice:

First, go to Phillips & Page, an antique shop at 50, Kensington Church Street (Tube station: High Street Kensington). Buy, for about 25s., a paperback book called "Macklin's Monumental Brasses". Starting on page 108 is a chapter of excellent advice for the prospective brass-rubber. You can also buy a complete kit of necessary materials. My wife and I found that the black crayon or heelball supplied was not to our liking and we have had better success with heelball bought in triangular sticks from a little hole-in-the-wall cobbler's shop in Bear Street, off Charing Cross Road, near Leicester Square. The advice given in Macklin's concerning how to contact the vicar and how to conduct yourself in the church is well worth taking. Even if you do not have a fundamental respect for a church, the vicar does, and if he is angered too often he will stop brass-rubbers completely.

Phillips & Page also have a sheet entitled "Where to go Brass-Rubbing in London" price about 3s. However, if you can get out of town you will probably have better success, as the brasses in London are usually deluged by spur-of-the-moment rubbers whose 3-week charter flight ends the following day. The Victoria & Albert Museum publish a book "Brass Rubbings" - at the incredibly cheap price of 12s., which has over 100 illustrations of rubbings, so you will not have to make an appointment to rub a brass unseen. I suggest also that you visit a library, or perhaps Phillips & Page again, and browse through their books on the subject - jot down locations of any illustrations that look interesting - the Victoria & Albert Museum will show you any rubbing in their catalogue.

I will mention only two brasses specifically, as, if you are interested in rubbing you will rapidly come to know the really famous and make your own decisions as to where to rub. First, in Coleshill, Warwickshire, there is a small figure of a priest whose right hand has six fingers. Second, in Oddington-upon-Otmoor, Oxfordshire, there is a figure of a shrouded skeleton, crawling with worms. This last is not the usual sort of parlour decoration but it serves to point out how brasses can be an indication of some of the queer customs which people had in the Middle Ages.

Finally to brass-rubbing, not as a pastime itself, but as a uniquely British experience. On a typical brass-rubbing Saturday, with perhaps an appointment at 2.00 p.m., we start out from home early enough to arrive in the town about noon. A walk around the town, perhaps a bit of shopping at the greengrocers (prices are cheaper than in London and, if you have driven far out, you might as well take advantage of it) and a sandwich lunch at the local pub. Then a call on the vicar to pay whatever fee is necessary, and on to the church at the appointed time. By the way, if there are rubbers in the church before you, they may be able to give you some pointers about the pitfalls (raised corners likely to tear paper, etc.) of particular brass(es), and perhaps a few suggestions on others they have liked.

We are not able to rub continuously, so many breaks must be taken and we buy a guide book to the church (if available) and spend our breaks reading it and wandering around the church peering at inscriptions, poking under choir stalls for carvings and generally taking time to examine the church and its structure minutely. In these moments of walking about one begins to see the mediaeval English parish church in its true perspective; as the central entity in the life of a small town of the Middle Ages. It is a blend of aspirations of grandeur, expressed in tall arches and stained glass, and simple faith, expressed in smaller ways - tiny carvings depicting angels, devils, cats, dogs, and little scenes from everyday life in the Middle Ages, usually with some moral attached. Its tombs and brasses symbolise death, yet in a sense, other than the religious, they bring the dead to life again for us, partly by their presence in effigy and partly by our interest in their history.

You will meet few British people doing brass-rubbing; your fellow rubbers will be mainly Americans. I think the reason is that for the Briton his parish church and all its treasures will always be there, while for us our time is short.

Over the past year we have accumulated a collection of over forty brass-rubbings. Some, in fact most, I doubt if we will ever hang. However, in the process of acquiring them we have gained a great deal of knowledge, both about the parish churches and the brasses themselves, and have had the pleasure of seeing parts of rural England almost totally unspoiled by the presence of industry or tourism. Only the ubiquitous TV aerial, appearing from the thatched rooftops, gives away the time as the twentieth century.

At the beginning I mentioned the masochistic aspect of brass-rubbing. Be prepared for sore knees, elbows and arms. But the result, when done well, is worth every ache and pain. Happy rubbing!

THE ITCH

by Brian P. Grover - a 1961 Fellow from the University of Manitoba

Brian spent two years in this country, the first two 6 month periods with different firms and the second year at the London School of Economics

Nobody tells you that accepting an Athlone Fellowship exposes you to a special disease that can upset you during the rest of your life. There is probably a fancy Latin name for it, but regardless of the name, everybody recognises the affliction by the symptoms: itchy feet.

Take a healthy, active, normal Canadian engineer. Transport him (or her) across 3,000 miles of Atlantic Ocean. Expose him to Britain for a year or two. Tempt him with the entire continent of Europe just half an hour away. Then return him to Canada and expect him to live and work contentedly in his former environment for the rest of his days. Does it ever happen like that?

It would be interesting to compare the annual expenditure on travel of former Athlones with those of other engineers in their peer group. I suspect such statistics would demonstrate that the habit of finding new places is difficult to lose. I would also expect that many Fellows manage to do a fair bit of travelling in the course of their work - deliberately.

The experience of having received an Athlone Fellowship can provoke periodic spells of wanderlust. It also provides particular qualifications for engineers who want a job which allows them to be fairly mobile. I am referring to work in the field of international development.

If you stop and think about it, Athlone Fellows often have the kind of background which can be valuable in this expanding area. Excellent technical training, followed by graduate work or specialised experience in a completely different environment; an understanding of another country's culture, and the experience of living and working away from home; and, as a Canadian, familiarity with both the English and French traditions.

It happens that Canada's history and her present role in world affairs makes Canadians fairly acceptable as helpers in developing nations. After all, isn't Canada a former colony and an under-developed country, trying hard not to be pushed around by the big rich countries? And haven't Canadian engineers used their ingenuity to help solve the many technical problems in our sparsely settled land? Our reputation in specialised fields such as communications, transportation, electric power and agriculture is appreciated abroad. People in developing countries realise that the pragmatic approach necessary to achieve economic development with limited resources - an approach particularly necessary in Canada - is often appropriate in their lands.

That our former prime minister was asked to head the Commission on International Development, which last year submitted its significant report on this fundamental world problem, is a credit to the stature of Canada in this field as well as to Mr. Pearson.

In these times there are more and more opportunities for Canadian engineers to use their talents in the challenging field of international development. And this is a growth area. The opportunities exist with government agencies, manufacturing exporters, public utilities, construction companies, international agencies, consulting firms, universities - almost all spheres of activity. Finding these opportunities is simply a matter of looking for them.

For lack of a better example, take me. The year after returning from the Athlone Fellowship I spent many months in the north of a greatly underdeveloped region called Manitoba, in the bush along the Nelson River, working with Cree Indians who were not overly impressed with the statistics of their country's modern, technological economy. Maybe Winnipeg was much too sophisticated after that experience, because by the end of the next year I was in a different developing region: Kenya needed water resources engineers and the Canadian International Development Agency (C.I.D.A.) wanted to help so they agreed to send me. For 3½ satisfying years I learned a lot about supplying water to people; during most of that period I was in Mombasa, running a government department responsible for about 15 public water supplies in the Coast Province. You can imagine the kind of memorable experiences that situation produced. And since 1969 I have been based in a different kind of frontier town - Washington DC. With the World Bank (which finances, among other things, water resources projects) I have been to Manila, Nicosia, Hong Kong, Belgrade, Singapore, London and points en route in the past years. And the Bank provides a salary too!

Many other Athlones have chosen similar careers, and in our shrinking world the opportunities to work in the field of development, home and abroad, are bound to increase. The rewards for such work, including satisfaction, challenge, experience, remuneration and travel, are attractive. If you find yourself in the doldrums more than you like, why not think about getting involved?

As an Athlone Fellow you have a headstart - and a good head. So instead of daydreaming about the pleasures of the past, drooling at the travel posters, or envying your boss and his annual convention trip to Moose Jaw, why not see if you can get involved in international development? It might be a cure if you suffer from the itch.

ATHLONE FELLOWSHIPS

NEWSLETTER No. 16

THE ATHLONE FELLOWSHIPS

NEWSLETTER NO. 16

With the compliments of the Secretary to the Managing Committee

Managing Committee in the United Kingdom

Sir Maurice Fiennes, C.Eng., F.I.Mech.E., (Chairman)

Sir Douglas Logan, D.C.L., LL.D., (Vice-Chairman)

Professor H. E. M. Barlow, B.Sc., Ph.D., F.I.E.E., F.I.E.E.E., F.I.Mech.E., F.R.S., (University College London)

Professor E. G. Cullwick, O.B.E., M.A., D.Sc., F.I.E.E., F.R.S.E., (University of Dundee)

Mr. G. H. Doughty (Representing T.U.C.)

Mr. J. H. Lawrence, F.C.A., (Scottish Engineering interests)

Captain J. W. Collett, R.N. (Retd.), (C.B.I.)

Dr. F. E. A. Manning, C.B.E., M.C., T.D., M.A., D.Eng., F.I.Mech.E., F.I.E.E., F.I.Nuc.E., (Adviser)

Dr. J. M. Mitchell, (The British Council)

Mr. N. E. Robins (Department of Trade & Industry)

Professor J. S. Rowlinson, M.A., D.Phil., F.R.I.C., (Imperial College of Science and Technology)

Miss J. M. Scrimshaw, (Department of Education and Science)

Mr. E. Vines, (Foreign & Commonwealth Office)

Mr. I. M. Wilson, (Scottish Education Department)

Mr. A. M. Redrup, (Secretary), (Department of Trade & Industry)

**FOREWORD BY SIR MAURICE FIENNES, C.Eng., F.I.Mech.E.
CHAIRMAN OF THE ATHLONE FELLOWSHIPS MANAGING COMMITTEE**

It is with a mixture of pleasure and regret that I introduce the final edition of the Athlone Fellowships Newsletter.

As you will know, the Athlone Fellowships Scheme will come to an end when the remaining members of the 1970 group of Fellows complete their awards in the autumn of this year. The Scheme has been running for 20 years and during that time over 800 Canadian engineers have been awarded Fellowships and have studied in our universities and worked in our engineering industries. It is a record of which we are very proud and we hope that Athlone Fellows will share this feeling of pride with us.

Of course we regret the passing of the Scheme and this feeling is shared by many people both in Britain and Canada. However, the withdrawal of the Scheme does not mean that our interest in Canada has diminished or that we are not as anxious as ever for Canadian engineers to come to Britain to see what is being done in this country. We know that we have a lot to offer in many fields of advanced technology and we want Britain to continue to be a source of knowledge and experience for Canadians.

We know that much of the attraction of the Athlone Scheme to those who were awarded Fellowships has been the opportunity it has provided for them to visit a country with which they have much in common but which they might not otherwise have seen in depth; and this aspect could well have been as important to them as the main purpose of the Scheme. We are content if this has been so. Our efforts have not been wasted if some hundreds of Canadians look back on their stay in Britain with a feeling of warmth towards the country and its people. I trust that in spite of the inevitable problems of living and working in a country which is in many ways different from Canada, the overall judgement will have been favourable. Our judgement of the Athlone Fellows certainly has been!

THE ATHLONE FELLOWSHIPS

NEWSLETTER NO. 16

In presenting this final edition, the Managing Committee wish to record their appreciation and thanks to all those in Canada and the United Kingdom who have co-operated in the Athlone Scheme over the past 20 years.

The total number of Fellowships awarded is 810 and the following table shows the relative distribution of programmes since the scheme started in 1951:--

	<i>Two years industry or industrial consultants</i>	<i>Two years university college or research establishment</i>	<i>Mixed Course</i>	<i>One year only * = univ. / = industry</i>	<i>Total</i>
1951	8	21	8	1*	38
1952	4	17	13	1*	35
1953	16	10	10	1*	37
1954	10	9	15	2 (1* 1/)	36
1955	7	11	17	2 (1* 1/)	37
1956	1	19	16	2*	38
1957	2	27	7	-	36
1958		20	17	1/	38
1959		27	14		41
1960	1	27	12		40
1961	1	29	10		40
1962	-	21	18	1*	40
1963	2	25	14	1*	42
1964	1	23	13	5*	42
1965	-	22	13	9 (8* 1/)	44
1966	1	25	12	6*	44
1967		26	10	9 (8* 1/)	45
1968	-	26	7	10 (9* 1/)	43
1969	1	24	10	12 (11* 1/)	47
1970	1	19	9	18 (17* 1/)	47
	<u>56</u>	<u>428</u>	<u>245</u>	<u>81</u>	<u>810</u>

As the scheme draws to an end, 29 Fellows of the 1970 group are completing their awards and at the time of going to print, 11 of this group have decided to remain to continue research towards Ph.D. degrees. Two others have remained under other auspices after completing 1-year Fellowships. 16 of the 1969 group have remained to complete their research towards Ph.D. degrees.

ATHLONE FELLOWS ASSOCIATIONS

1. Nova Scotia Athlone Association

The N.S.A.A. have reported that the poor response to their proposal published in Newsletter No. 15, for a continuing Newsletter, has caused them to reluctantly drop their plans and they have decided not to pursue the matter. Only 80 replies, all favourable, were received. Since this represents less than 10% of all Fellows it was felt that the level of interest is too low.

Dr. J. D. Brown (1958 N.S.T.C.) is now Secretary of the N.S.A.A.

2. Other Associations

It is with great regret that we report that no news of the other Athlone Fellows Associations' activities has been received for this final Newsletter. The Managing Committee express their hope that, although the scheme is coming to an end, Athlone Fellows Associations will continue to maintain contact with Fellows in their area and throughout Canada.

3. The Officers of the four Associations are: (addresses removed)

Quebec: F. H. Sutcliffe (Chairman)

W. S. Wilson (Secretary)

Pierre Bourassa (Treasurer)

Real A. J. Arsenault (Adviser)

Ontario: J. H. Flett (Chairman)

T. A. Croil (Vice-Chairman)

G. A. Pearce (Secretary/Treasurer)

D. J. Sefton (Social Convenor)

Manitoba: Rudolf H. Schilling (Secretary)

Nova Scotia: J. D. Brown (Secretary)

MISCELLANY

1. For the statistically minded

At the beginning of this Newsletter is a tabular breakdown of the number of awards made and where the 810 Fellows spent their time in the United Kingdom since the scheme began in 1951. The following table shows how many Fellows there have been from each participating Canadian University granting first engineering degrees as recorded in Appendix II:—

<i>University</i>	<i>No. of Fellows</i>	<i>Year of First Fellowship Award</i>
Alberta	55	1951
British Columbia	99	1951
Carleton	1	1961
Ecole Polytechnique	53	1951
Laval	41	1951
Manitoba	67	1951
McGill	78	1951
McMaster	17	1962
New Brunswick	37	1951
Nova Scotia Technical College	49	1952
Ottawa	12	1959
Queens	63	1951
Royal Military College	19	1964
Saskatchewan	44	1951
Sherbrooke	6	1959
Sir George Williams	6	1968
Toronto	110	1951
Waterloo	24	1962
Western Ontario	17	1959
Windsor	7	1964

The five Fellows from miscellaneous institutions complete the total of 810.

746 Fellows gained further academic experience and 309 industrial experience during the tenure of their awards. These figures include those Fellows on mixed academic/industrial programmes. It is interesting to note that 304 Fellows, over a third of the total number, spent at least one year at the Imperial College of Science and Technology.

It is difficult to tabulate what Fellows are doing at present but, at the time of going to print, it appears that of those in Canada, 135 are working in Universities, 275 in Industry and 85 in Federal and Provincial Government posts. Of those in the United States, 11 are in Universities, 22 in Industry and 4 in Government establishments. The 29 Fellows of the 1970 group completing their awards and another 51 Fellows remaining in the United Kingdom, plus 14 working in other countries, complete the tally of those whose present activities are known to us.

Despite intensive efforts by all concerned we have completely lost touch with 42 Fellows and for quite a large number we can only give partial addresses. It is sad to record that 7 Fellows are known to have died.

2. Marriages and Births

The Managing Committee extend congratulations and best wishes to the following Fellows who were married during 1971:—

Ian S. Anderson	(1967 Queens)
Doug. G. Chapman	(1968 Manitoba)
Murray Clamen	(1970 McGill)

Gaudry Delisle	(1970 Laval)
Lyse Morisset	(1968 Ottawa)
G. David Parsons	(1970 Waterloo)
Charles D. Quick	(1970 Waterloo)
P. Carey Ryan	(1970 N.S.T.C.)
Peter M. Tiley	(1970 McMaster)

and also to the following who have had additions to their families in the past year, particularly Jim Bayne, father of triplets!:-

Jim P. Bayne	(1968 Queens)	- 3 daughters
Serge P. Bellier	(1968 Ec. Poly.)	- a daughter
J. Doug. Macdonald	(1966/69 Toronto)	- a son
W. L. Price	(1964 Laval)	- a daughter
Jacob Shapiro	(1968 McGill)	- a son
P. F. Stojak	(1969 Saskatchewan)	- a daughter

3. British Government Offices

We give below the addresses of British Government Offices in Canada, whose staff will be pleased to give Fellows information and assistance with queries concerning the United Kingdom.

OTTAWA	80 Elgin Street, Ottawa K1P
MONTREAL	635 Dorchester Blvd. West, Montreal 101 (Tel. : 866-5863)
QUEBEC CITY	La Laurentienne 500 Grand-Allee Est., Suite 707, Quebec 4. (Tel. : 525-5187)
TORONTO	8th Floor, 200 University Avenue, Toronto 1. (Tel. : 864-1290)
VANCOUVER	4th Floor, Bank of Nova Scotia Bldg., 602 West Hastings Street, Vancouver 2. (Tel. : 683-4421)
WINNIPEG	402 Monarch Life Building, 333 Broadway Avenue, Winnipeg 1. (Tel. : 942-3151)
EDMONTON	Suite 1404, Three McCauley Plaza, 10025 Jasper Avenue, Edmonton 15. (Tel. : 424-0481)
REGINA	815 Avord Tower, 2002 Victoria Avenue, Regina. (Tel. : 527-6459)
ATLANTIC PROVINCES	10th Floor, Centennial Building, 1645 Granville Street, Halifax, Nova Scotia. (Tel. : 422-7488)

RETROSPECT

by F. E. A. MANNING, D.Eng.(N.S.T.C.) – Adviser to the Athlone Fellowships Managing Committee

Now that the Athlone Fellowships Scheme is within a year of its official end, I have indulged a long-felt urge to read every one of the 810 personal files of all the Athlone Fellows and to read again all the 15 Newsletters. What a book could be written based on gleanings from this field! But how difficult it is to write a short article that is not merely a list of names and a set of statistics!

The Newsletter itself was suggested by John Godfrey (1954, Manitoba) and No. 1 issued in December 1956. Except for a change of format in January 1969, it has appeared in exactly the same form yearly until this, the last number. The first five numbers contained underlined appeals for contributions which did increase in number and interest from 1962, but the flow dried up before this Newsletter was prepared and so I have been coerced into filling some space. Had it been a practical possibility, I would rather have produced a collection of about 25 articles under some such title as "The Best of the Athlone Fellowships Newsletter". Apart from excellent articles on the differences between the Canadian and British way of life as seen by wives as well as husbands and differences in the methods of obtaining higher degrees, one would read of London, of West and Northern England, of Scotland and of Wales. There would be mention of brass-rubbing; Goonhilly satellite communication station; heather ski-ing; a holiday in the U.S.S.R.; returning home via an Imperial College expedition to Africa and South America; student "rags"; queuing for tickets for Covent Garden Opera House; tandem cycling; and thoughts on what the individual Fellow has gained apart from the technical aspects.

My "Collection" would have started with the complete Foreword by the Earl of Athlone to Newsletter No. 1, but here I quote only one paragraph:—

"I have, over a long period, been associated in one way or another with a number of educational schemes, but I know of none more deserving of continued encouragement than the Fellowship Scheme to which I have been privileged to give my name."

Sad to relate, the Earl died during the following year, but Princess Alice, Countess of Athlone, continued to show interest in the scheme and graciously received the Fellows arriving in 1970 at a reception arranged by the Foreign and Commonwealth Office.

There have been four Chairmen of the Managing Committee, three Vice-Chairmen, five Secretaries (one of these for a few months only) and four Advisers. These men were all keenly interested in the scheme and gave generously of their time and energy, whether full-time civil servants or volunteers from outside. Two members of the Managing Committee have served on it from start to finish, namely Professors H. E. M. Barlow and E. G. Cullwick, and to them thanks for staunch support, informed comment and sound advice are rightly due. Professor Cullwick merits special mention for his efforts here and in Canada to stimulate the formation of a Canada-based replacement scheme. The first Chairman, Sir Arthur Fleming, and the first Adviser, Dr. William Abbott, have passed away, but their splendid work in devising the scheme and guiding it through the early years was undoubtedly responsible for the high reputation it has achieved. Time has caused small changes to be made, particularly since 1959 when 5 Canadian Universities requested to be added to the original 11 participating, and we ended with 22. Nevertheless, the original form and policies are clearly recognisable at the end. Honours were conferred upon some serving civil servants for their work, viz. on Dr. W. Abbott, first Adviser, C.M.G.; on Dr. H. H. Burness, who worked with Dr. Abbott and became second Adviser, C.B.E.; and on T. W. Turner, a Secretary to the Managing Committee for six years, M.B.E.

It was interesting to note that comments on details of the scheme made by members of all intakes from 1951 to 1970 were very much alike; except in so far as it had been found possible to meet some requests. Similarly, the experiences in industry and university related at Conferences from 1958 to 1970 were very much the same. There were small changes in the needs of Fellows as conditions changed over the years. In earlier years, the young Canadians were usually single and prepared to spend two or three years in the United Kingdom and were intent on gaining industrial experience rather than further academic education. Latterly, about 50% of those arriving have been accompanied by their wives and many were not willing to accept the financial burden of remaining for more than one year in the United Kingdom. A one-year Fellowship was introduced to avoid the unexpected premature return to Canada of an appreciable number of Fellows whose places could often not be filled. It also enabled us to give more than 41 Fellowships in each of the last eight years by setting the cost of one-year Fellowships against that of two-year Fellowships on a sliding scale. The table on an earlier page is interesting as illustrating change over 20 years, but it should be read with appreciation of the fact that the recently introduced one-year courses for "Master" degrees in this country include reports on projects and each project is usually an industrial one.

From the first, the Fellows selected were of a high standard which has been maintained from "A.F./51/1 Armour, J. M." to "A.F./70/47 Zilm, D. H.". Not one has caused us real trouble, even if some have been a little pernickety or tiresome. A very few have remained in or returned to this country to work, but this trickle of immigration has been completely swamped by a flood of emigrants to Canada in the form of very happy wives. Most Fellows expressed in writing at the end of their stay their appreciation of the way the scheme was administered and a rather surprisingly high number commented on the personal benefit they had gained from living for a time out of Canada and seeing it with a fresh outlook.

My own eleven years as Adviser, including 9 interview tours and one holiday spent in Canada (hopefully not the last) have been uniformly happy and rewarding. From the first I have looked upon my job from the viewpoint of its immediate benefit to Canada rather than of the long-term benefit to the United Kingdom. I have commented in previous articles on the kindness and the help I invariably received and many friendships made will continue for life. Those readers to whom the iron ring is more or less a matter of course will not realize what a thrill the ceremony of induction was to me and with what pride I wear this ring. It is a tangible sign how close my association is with what is to me a second homeland and with what affection I recollect that country and the Engineers in it.

During my interview tours I met many groups of Athlone Fellows collected together and entertained with generous hospitality by the deeply interested and friendly British Trade Commissioners in Canada. These officials move elsewhere after their various tours of duty and all too soon no British Diplomatic Service representatives in Canada will know anything about Athlone Fellows. Many people have expressed the hope that this will not mean the end of social gatherings of Athlone Fellows in suitable centres, but continuation will involve some form of organisation of local groups. I hope that well-disposed individuals in many centres will act as focal points for keeping Athlone Fellows in touch with each other and will maintain liaison with similar focal points elsewhere throughout Canada. I was most disappointed to hear that the 10% response to Dr. Brown's endeavour to list those who wanted to continue some form of Newsletter was not considered sufficient to justify the project. Such seems to be the fate of many questionnaires. In 1961, an enquiry about the desire for an Athlone Tie met with only a 10% response.

Reverting to the Earl of Athlone's words quoted earlier in this article, there is no shadow of doubt that the Athlone Fellowships Scheme is one of the finest ever instituted, that both Britain and Canada have derived great and continuing benefit, and that its demise is deeply regretted. Two distinctive features stand out and these are not found anywhere else in the world. One was that a large number of student engineers went from your country to ours as a coherent body. Other schemes only apply to small numbers of engineers, very often only one or two under a scheme covering other disciplines in greater numbers. Another feature was its flexibility, particularly in allowing a mixed programme of academic work and industrial experience, and no other existing or proposed scheme offers this facility.

The scholarships awarded by the Confederation of British Industry in Canada will not provide similar facilities. Few Commonwealth Scholarships are likely to be given to engineers for the competition is fierce. Other existing schemes will remain static and the overall result must be that the number of Canadian engineers coming to the United Kingdom annually to further their training or education will fall by about 30. This was quickly realized by Athlone Fellows in Canada and others and several suggestions have been made for small or large replacement schemes originating in Canada. So far there has been no real progress reported to me and it seems that some existing body in Canada has to be found to do the organization. At this end, we will give help but not finance. I hope that something will materialise but it will not be the Athlone Fellowships Scheme.

And so – Goodbye.

APPENDICES

1. Normally Fellows are listed in Appendices I and II under the University at which their first engineering degree was awarded but in a very few cases where the Fellow was working for a higher degree at another University when the Fellowship interview was held, the entry will be found under the second University. In these cases the Fellow's name is entered under the first University with a cross-reference to the second, where full particulars will be found.

2. Abbreviations for Universities in Appendix I are:—

Alta.	- Alberta
Br. Col.	- British Columbia
Car.	- Carleton
Ec. Pol.	- Ecole Polytechnique
Laval	- Laval
Manit.	- Manitoba
McG.	- McGill
McM	- McMaster
Misc.	- Five entries after "Windsor"
New Br.	- New Brunswick
N.S.T.C.	- Nova Scotia Technical College
Ott.	- Ottawa
Qu.	- Queens
R.M.C.	- Royal Military College
Sask.	- Saskatchewan
Sher.	- Sherbrooke
Sir G. Wms.	- Sir George Williams
Tor.	- Toronto
Wat.	- Waterloo
W. Ont.	- Western Ontario
Windsor	- Windsor

ATHLONE FELLOWS 1951-1970

Appendix I

NAME	UNIV.	YEAR OF FELLOWSHIP	NAME	UNIV.	YEAR OF FELLOWSHIP
Abbott, J. A. R.	McG.	1960	Bellier, S. P.	Ec.Pol.	1968
Adams, E. J.	Tor.	1952	Belrose, J. S.	Br.Col.	1953
Affleck, R. R.	Br. Col.	1955	Beneteau, P. J.	Qu.	1953
Aker, D. L.	Manit.	1953	Bennett, R. A.	N.S.T.C.	1955
Allen, L. D.	Alta.	1953	Bensted, D. J.	Br.Col.	1970
Almond, J.	Saska.	1952	Bertrand, M.	Ec.Pol.	1968
Amyot, L.	Ec.Pol.	1955	Besette, H.	Ec.Pol.	1952
Anderson, A. B.	McG.	1968	Bigham, C. B.	Qu.	1952
Anderson, I. S.	Qu.	1967	Bigham, J. P.	Qu.	1970
Anderson, R.	Ec.Pol.	1967	Birdsall, D. L.	Br.Col.	1962
Andrews, R. S.	Manit.	1970	Biro, G. M.	Tor.	1967
Aplevich, J. D.	Sask.	1964	Bjornsson, A. B.	Manit.	1955
April, G. E.	Ec.Pol.	1966	Blachford, C. W.	Sask.	1953
Archibald, J. A.	N.S.T.C.	1962	Black, G. W. T.	Wat.	1969
Arès, R.	Ec.Pol.	1963	Blair, J. T.	Alta.	1966
Armour, J. M.	Tor.	1951	Bodroghy, B. G.	Tor.	1958
Armstrong, G. W.	New Br.	1965	Boivin, F.	Ec.Pol.	1951
Armstrong, M. J.	Tor.	1956	Bonar, L. G.	Tor.	1959
Armstrong, W. M. B.	N.S.T.C.	1969	Borduas, Miss H. F. F.		
Arnett, R. R.	Br.Col.	1966	Miss H. F. F. G.	Ec.Pol.	1964
Arnold, J. R.	Br.Col.	1953	Borenstein, S. R.	McG.	1958
Arsenault, R. A. J.	Ec.Pol.	1953	Bouchard, L. H.	Ec.Pol.	1964
Arvisais, Mrs. M.	Ott.	1967	Bouchard, M.	Laval	1966
(see Mrs. M. Frize)			Bourassa, P.	Ec.Pol.	1951
Atkins, W. R.	Alta.	1957	Brabant, C. E.	McG.	1954
Auld, E. G.	Br.Col.	1961	Bragg, G. M.	Tor.	1962
Avedesian, M. M.	McG.	1969	Branchaud, M.	Ec.Pol.	1966
Aven, D.	Br.Col.	1969	Breck, W. G.	Qu.	1951
Aziz, E. M.	W.Ont.	1960	Bredon, S. L.	New Br.	1969
			Bremner, T. W.	New Br.	1960
			Brenneman, R. A.	Tor.	1968
			Bridgewater, A. W.	McG.	1964
Bach, G. G.	Alta.	1952	Brisson, J. R.	Laval	1951
Bachovzeff, C.	McG.	1951	Brockley, C. A.	Br. Col.	1952
Bailey, C. M.	McG.	1963	Brown, C. J.	Manit.	1958
Bailey, K. A.	Manit.	1959	Brown, D. W.	Br.Col.	1960
Ballance, R. C.	New Br.	1954	Brown, G. W.	Br.Col.	1963
Barber, H. D.	Sask.	1960	Brown, J. A.	Qu.	1956
Barnard, P. R.	Qu.	1960	Brown, J. D.	N.S.T.C.	1958
Barnett, A. B.	Sir G. Wms.	1970	Brown, L. M.	Tor.	1957
Barry, A. L.	Qu.	1958	Brown, R. L.	Qu.	1953
Basso, G. L.	N.S.T.C.	1958			
Bate, D. L. S.	Tor.	1954	Brunet, R. C. J.	McG.	1961
Bayne, J. P.	Qu.	1968	Bryce, W. W.	Tor.	1954
Bazergui, A.	Ec.Pol.	1963	Buchanan, D. G.	Manit.	1961
Beattie, J. D.	Tor.	1968	Burke, P. D.	Tor.	1955
Beauchamp, E. R.	Ec.Pol.	1967	Burridge, R. E.	New Br.	1953
Beck, H. R.	Manit.	1952	Burrill, K. F.	N.S.T.C.	1968
Bedard, M. R.	Laval	1953	Butcher, R. S.	N.S.T.C.	1954
Beker, D. R.	Wat.	1969	Button, H. F.	Misc.	1960
Bell, D. B.	R.M.C.	1969			
Belletrutti, J. J.	Sir G. Wms.	1969			

<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>	<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>
Caldwell, W. N.	McG.	1964	Cooke, R. J.	Wat.	1970
Cambridge, E. L.	Wat.	1966	Cooper, G. A.	Alta.	1959
Cammaert, A. B.	Wat.	1968	Coote, R. I.	Alta.	1967
Campbell, F. R.	N.S.T.C.	1967	Corbett, F. M.	McG.	1954
Campbell, J. E.	N.S.T.C.	1955	Corneil, E. R.	Qu.	1955
Campbell, M. C.	N.S.T.C.	1957	Cossette, J. P.	Ec.Pol.	1954
Canuel, J. L. M.	Laval	1959	Coté, J. M. A. T.	Laval	1959
Card, H. C.	Manit.	1969	Cram, W. W.	Sask.	1965
Carr, C. J.	W.Ont.	1970	Crawford, G. A.	Tor.	1956
Carter, T. J.	Tor.	1970	Cripps, W. C.	Br.Col.	1968
Carver, M. B.	McM.	1963	Critchley, R. F.	Sask.	1958
Casgrain, P.	Ec.Pol.	1965	Croil, T. A.	Br.Col.	1960
Cass, G. R.	New Br.	1957	Crook, G. C.	Manit.	1966
Casson, P. E.	Tor.	1965	Cross, D. H. E.	Tor.	1952
Castle, G. S. P.	W. Ont.	1961	Crosthwaite, J. L.	Manit.	1962
Caston, A. T.	Alta.	1966	Crowe, C. M.	McG.	1953
diCenzo, C. D.	New Br.	1952			
Chagnon, M. M. J.	McG.	1959	Daigneault, P. A.	Sher.	1965
Chamberlain, R. E.	McG.	1951	Dalgleish, J. F.	Windsor	1968
Chambers, D. W.	Alta.	1970	Darlington, R. F.	McG.	1962
Chapelle, M. A.	Tor.	1967	Davies, J. F.	Br. Col.	1963
Chapman, C. B.	Tor.	1962	Davies, N. G.	Br. Col.	1954
Chapman, D. G.	Manit.	1968	Davis, D. N.	Alta.	1962
Chapman, D. L. T.	Sask.	1961	Davison, E. J. A.	Tor.	1961
Charlebois, R. E.	Ott.	1970	Dawson, D. G.	Alta.	1954
Cherewick, H. R.	Br.Col.	1963	Day, F. P. E.	R.M.C.	1967
Chernuka, M. W.	Alta.	1969	Dean, J. R.	New Br.	1955
Cherry, S.	Manit.	1952			
Chisholm, S. H.	Tor.	1960	De Coursey, W. J.	Alta.	1951
Chollet, J.	Laval	1953	Delisle, G.	Laval	1970
Choquette, M.	Ec.Pol.	1962	DeLory, F. A.	(McG.) Tor.	1953
Christie, C. J.	Qu.	1966	Desborough, R. J.	N.S.T.C.	1965
Christie, F. A.	N.S.T.C.	1960	Descary, J. G.	McG.	1960
Church, P. B.	Tor.	1952	Desjardins, Y.	New Br.	1970
Churchill, R. J.	N.S.T.C.	1957	Desnoyers, E.	Ec.Pol.	1959
Cicci, F.	Tor.	1967	Dessureault, J. M.	Laval	1954
Clamen, M.	McG.	1970	Dibblee, D. H. W.	N.S.T.C.	1959
Clark, J. C.	Sask.	1953	Dietiker, W.	Br.Col.	1955
Clark, P. M.	McG.	1963			
Clark, S. R.	Br.Col.	1959	Dixon, B. A.	Br.Col.	1967
Clarke, J. F. J.	Br.Col.	1959	Dobell, K. F.	Br.Col.	1964
Clarke, P. A.	N.S.T.C.	1962	Dodd, W. B.	Tor.	1952
Clarke, W. A.	N.S.T.C.	1958	Doerr, L. A.	W.Ont.	1967
Cliffe, J. B.	Manit.	1952	Dolbey, M. P.	Qu.	1965
Clifton, A. W.	Sask.	1966	Dooley, J. E.	Tor.	1953
Coderre, J. J.	R.M.C.	1966	Dowling, P. J.	Tor.	1954
Cohen, N. P.	W.Ont.	1970	Drummond, A. M.	Br.Col.	1957
Cohen, R. J.	R.M.C.	1966	Dueck, D.	Manit.	1960
Coley, R. W.	Manit.	1966	Duerksen, J. H.	Br.Col.	1958
Collin, R. E.	Sask.	1951			
Collins, F. E.	Tor.	1960	Duley, W. W.	McG.	1963
Conradi, J.	Qu.	1962	Dumas, B. W.	Manit.	1965
Constant, B. D.	Alta.	1970	Duncan, R. M.	Manit.	1960
Convey, J. R.	R.M.C.	1970	Dunford, F. E. F.	Qu.	1967
			Dunsiger, A. D.	McG.	1963

<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>	<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>
Dussault, R. G.	Laval	1961	Fullerton, C. I.	Qu.	1966
Dutton, V. L.	Manit.	1951	Funke, E. R. R.	Qu.	1956
Duval, A. G.	Laval	1961	Fytche, E. L.	New Br.	1951
Dvorak, F. A.	(R.M.C.) Br.Col.	1964			
Earnshaw, J. W.	Tor.	1961	Gagne, R. E.	Manit.	1956
Earp, R. G.	McM.	1969	Gagne, R. R. J.	Laval	1959
Edwards, S. L.	Br.Col.	1970	Garneau, M. J-P.	R.M.C.	1970
Elfstrom, G. M.	Br.Col.	1968	Garrett, T.	Br.Col.	1960
Elias, P. E.	Windsor	1966	Gartshore, I. S.	Br.Col.	1957
Elliott, J. H. G.	Br.Col.	1968	Gauld, G. L.	Qu.	1968
Elliott, T. M. T.	N.S.T.C.	1966	Gendron, M.	Laval	1954
Ellis, J. B.	Tor.	1958	Gilbert, R. L.	Wat.	1969
Ellis, J. S.	Qu.	1954	Gilchrist, H. G.	Sask.	1963
Erb, R. B.	Alta.	1952	Gillespie, J. C.	Manit.	1956
Erickson, P. D.	Br.Col.	1967	Gilsig, T.	McG.	1963
Erlebach, W. E.	Br.Col.	1952	Girard, H.	Ec.Pol.	1965
Evans, R. L.	(U.B.C.) Tor.	1970	Gladney, T. A.	Tor.	1964
Evans, W. M.	Qu.	1964	Goard, J. R.	Br.Col.	1966
Eyford, B. L.	Br.Col.	1962	Godard, K. E.	Sask.	1965
			Godfrey, J. W. A.	Manit.	1954
			Gorrell, L. E.	Wat.	1969
			Gosman, A. D.	Br.Col.	1962
			Gourlay, W. J.	Alta.	1967
			Grace, J. R.	W.Ont.	1965
Fader, D. J.	W.Ont.	1963	Grant, E. J.	New Br.	1954
Fancott, R.	McG.	1957	Gratton, P. M.	Sher.	1960
Fanjoy, E. M.	New Br.	1958	Griffith, M. C.	Manit.	1962
Favron, J.	Ec.Pol.	1953	Grout, P. D.	Br.Col.	1967
Fay, D. F.	N.S.T.C.	1969	Grover, B. P.	Manit.	1961
Fee, E. W.	Tor.	1953	Guardo, R.	Ec.Pol.	1968
Feir, J. E.	Alta.	1952	Guay, M.	Laval	1960
Fellows, D. M.	New Br.	1962	Guertin, M. B.	Ott.	1963
Fenton, T. R.	Manit.	1970	Guthrie, D. A.	Br.Col.	1955
Ferguson, A. A.	N.S.T.C.	1964			
Ferland, C.	Laval	1960	Haberman, L. P.	Manit.	1960
Fiander, A. D.	New Br.	1969	Hale, R. C.	New Br.	1956
Filion, M.	Ec.Pol.	1970	Halton, H. N.	Br.Col.	1955
Firstbrook, W. A.	Tor.	1951	Ham, R. K.	Tor.	1955
Fleming, D. C.	Misc.	1963	Hamilton, R. E.	Wat.	1963
Flett, J. H.	Tor.	1961	Hanson, J. V.	Tor.	1955
Forbes, R. S.	Qu.	1959	Hanuschak, W.	Manit.	1960
Fortier, P.	Ec.Pol.	1957	Hardwick, J. D.	Tor.	1958
Foulds, J. G.	Tor.	1957	Harries, J. D. S.	R.M.C.	1965
Fowler, A. G.	Br.Col.	1958	Harris, G. P.	R.M.C.	1968
Franklin, D. H.	N.S.T.C.	1952	Harris, S. G.	Tor.	1955
Fraser, D. J.	Sask.	1952	Harris, T. M.	Br.Col.	1957
Fraser, R. M.	Br.Col.	1955	Harrison, E. J.	McM.	1970
Frederking, R. M. W.	Alta.	1964	Harrison, M. A.	Tor.	1956
Freeman, W. S.	McM.	1966	Harrison, W. C.	Alta.	1963
French, J. B.	Tor.	1955	Harvey, P.	Br.Col.	1956
French, M. D.	McG.	1959	Hasan, S. M. J.	Sir G. Wms.	1970
Frindt, R. F.	Alta.	1960	Hastings-James, R.	N.S.T.C.	1967
Frize, Mrs. M. (formerly Mrs. M. Arvisais)	Ott.	1967			
Fulford, P. J.	Manit.	1957			

<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>	<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>
Hawkins, D. J.	Tor.	1969	Kamutzki, B. H.	McM.	1966
Hayes, E. J.	Ott.	1968	Katzberg, J. D.	Manit.	1968
Hayes, W. F.	McG.	1955	Keilty, J. M.	Manit.	1966
Hayter, R. B.	Br.Col.	1963	Keillor, Miss S. A. (now Mrs. S. A. Toll)	W.Ont.	1968
Hayward, D. G.	New Br.	1959	Kelsch, R. G.	Br.Col.	1969
Hébert, H. J.	Sher.	1961	Kennedy, P. G.	N.S.T.C.	1959
Heffernan, F. J. P.	McG.	1957	Kenney, T. C.	McG.	1953
Heinrichs, E. R.	Sask.	1967	Kerr, J. A.	Manit.	1952
Hemmings, R. L.	Alta.	1962	Kerr, J. M.	Tor.	1969
Henderson, J. E.	Qu.	1956	Kerr, R. B.	Sask.	1965
Henderson, K. A.	McG.	1961	Kilburn, D. G.	Br.Col.	1964
Hess, M. L.	McG.	1964	Kind, R. J.	McG.	1964
Herke, P. W.	Br.Col.	1963	King, D. W.	Br.Col.	1969
Hewitt, J. S.	Qu.	1961	King, F. K.	R.M.C.	1968
Higgins, J. P. J.	Tor.	1966	King, G. F.	Tor.	1957
Higgins, R. E.	N.S.T.C.	1967	Klingbeil, W. W.	Alta.	1954
Hill, H. M.	Sask.	1961	Klinghoffer, O.	Tor.	1970
Hill, P. G.	Qu.	1953	Koba, B.	W.Ont.	1969
Hindle, T. B.	R.M.C.	1968	Køhn, C. E.	W.Ont.	1964
Hinds, H. W.	McG.	1964	Kontakos, T.	Sir G. Wms.	1970
Hinse, R.	Laval	1951	Koski, J. T.	Tor.	1951
Hissink, A. J.	McG.	1967	Kranias, J. W.	Alta.	1961
Hodge, S. S.	Manit.	1968	Kravec, V.	Ec.Pol.	1966
Hodges, B.	Br.Col.	1970	Krawczuk, P. P.	Sask.	1961
Hosang, G. W.	Tor.	1965	Kristmanson, D. D.	Br.Col.	1956
Houle, M.	Ec.Pol.	1956			
Howard, J. H. G.	Qu.	1956			
Howard, S. G.	Alta.	1956			
Hrudey, S. E.	Alta.	1970			
Hugill, J. W.	McG.	1963	Labonté, R.	Ec.Pol.	1955
Huntley, C. R.	Br.Col.	1960	Lachance, L.	Laval	1958
Hyndman, B. W.	Tor.	1966	Laframboise, J. E. L.	Ec.Pol.	1956
			Laing, J. M.	Qu.	1965
			Lally, J. S.	Tor.	1959
			Lamarre, B.	Ec.Pol.	1952
			Landine, R. C.	Sask.	1962
			Lane, A. D.	N.S.T.C.	1956
			Lang, D. W. L-M.	Tor.	1968
			Langeman, P.	Sask.	1955
			Langlois, A. P.	Laval	1956
			Laplane, D. G. Y. J.	Ec.Pol.	1961
			L'Archevêque, R. V.	Ec.Pol.	1960
			Larkin, B. S.	Misc.	1957
			LaRiviere, H. J. A.	Sir G. Wms.	1968
			LaRochelle, P.	Laval	1956
			Laubitz, M. J.	Tor.	1953
			Laurie, G. H.	Br.Col.	1957
			Lavender, S. T.	Wat.	1966
			Leaist, G. T.	Tor.	1951
			Lecours, M.	Ec.Pol.	1963
			Lefcort, M. D.	McG.	1956
			Leigh, D. C.	Tor.	1951
			Lemay, L. P.	Ott.	1959
			Lemieux, G. P. J.	R.M.C.	1968
Jackson, R. V.	Sask.	1967			
Jefferson, D. O.	Tor.	1965			
Johns, K. C.	McG.	1966			
Johnson, D. W.	Sask.	1957			
Johnson, P. M.	Tor.	1968			
Johnston, R. H.	Alta.	1962			
Jonas, J. J.	McG.	1954			
Jones, B. G.	Sask.	1954			
Jones, D. R. M.	Tor.	1961			
Jones, N. R.	McG.	1959			
Jordan, E. A.	Tor.	1965			
Jull, E. V.	Qu.	1957			
Jull, G. W.	Alta.	1951			
Jurkus, A. P.	Ec.Pol.	1957			

<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>	<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>
Lemyre, C.	Laval	1957	McNeice, G. M.	Wat.	1964
Levine, D.	McG.	1970	McNish, J. A.	Br.Col.	1954
Lewak, J. B.	Manit.	1968	McPherson, G. D.	(Tor.) Ott.	1962
Lewell, P. A.	New Br.	1966	McPherson, P. A.	R.M.C.	1967
Liivamagi, P.	Manit.	1969	McQuhae, K. G.	Br.Col.	1965
Lindberg, G. M.	Alta.	1960	McRoberts, E. C.	Alta.	1967
Lindsay, W. L.	Qu.	1969	Maine, F. W.	Qu.	1960
Link, W. T.	Sask.	1951	Male, D. H.	McM.	1962
Lloyd, D. A.	Br.Col.	1965	Malet de Carteret, R.	Misc.	1957
Lockerby, W. E.	N.S.T.C.	1964	Mamen, R.	McG.	1966
Lockwood, F. C.	Qu.	1958	Marcotte, P. P.	Ec.Pol.	1970
Lofts, N. R.	Alta.	1969	Markle, D. A.	Alta.	1958
Loftus, D. S.	Ott.	1965	Marleau, J. E.	Ec.Pol.	1954
Loncarevic, B. D.	Tor.	1958	Marlon-Lambert, J. R.	Br.Col.	1965
Lorimer, G. W.	Br.Col.	1964	Marquis, A. H.	Laval	1955
Longstaff, W. J.	Sask.	1963	Marsan, A. A.	Ec.Pol.	1960
Lorrain, J. G.	Ec.Pol.	1962	Marsden, D. J.	Alta.	1955
Low, D. I. R.	Qu.	1958	Marshall, W. A.	N.S.T.C.	1969
Lowe, D. C.	Tor.	1955	Martel, A. P. S.	R.M.C.	1970
Lowe, P. A. R.	McG.	1965	Martin, R. G.	Sask.	1962
Lowry, R. T.	Sask.	1967	Mason, R. E. A.	Qu.	1959
Luhning, R. W.	Sask.	1967	Matheson, R. G.	New Br.	1964
Lund, J. A. H.	Br.Col.	1951	Matthews, A. E. P.	Tor.	1958
Luneau, J. D. G.	Sher.	1959	Matthews, J. N.	Tor.	1951
Lusis, M. A.	Tor.	1963	Matthews, M. L.	N.S.T.C.	1967
Lye, J. W. K.	R.M.C.	1969	Matthews, W. G.	N.S.T.C.	1961
Lyle, S. M.	McG.	1960	Matyas, A. G.	McG.	1969
			Maurice, Y.	Laval	1969
			Maxwell, A. S.	McG.	1962
			Meadowcroft, T. R.	Br.Col.	1959
Maas, R. B.	Br.Col.	1967	Meneley, D. A.	Sask.	1959
McAlpine, D. C.	Alta.	1967	Menzies, D. F.	Manit.	1969
McCaffery, F. G.	Br.Col.	1966	Menzies, R. W.	McM.	1964
McCalla, J. H.	Car.	1961	Merklinger, K. J.	Tor.	1958
McCorquodale, J. A.	W.Ont.	1962	Merritt, J. H.	N.S.T.C.	1953
McCrae, A. M.	Br.Col.	1957	Mickleborough, B. W.	Sask.	1956
McCreath, D. R.	Manit.	1964	Midgley, P. A. S.	Qu.	1957
McCully, G. R.	New Br.	1951	Miles, K. G.	Windsor	1968
Macdonald, J. D.	Tor.	1966 & 1969	Minty, D. H.	Manit.	1951
MacDonald, D. H.	Tor.	1951	Missen, R. W.	Qu.	1953
MacDonald, I. J.	Qu.	1954	Mitchell, B. D.	Qu.	1967
McDonnell, F. R. N.	R.M.C.	1967	Mitchell, J.	Qu.	1952
McDougald, R. A.	Manit.	1954	Mitchell, R. J.	Wat.	1964
McIntyre, E. H.	McG.	1953	Mittleman, M. L.	McG.	1970
MacKenzie, A. W.	W.Ont.	1967	Moffatt, A. J.	Manit.	1951
MacKenzie, J. A.	N.S.T.C.	1962	Moffatt, T. L.	Tor.	1951
MacKenzie, N. S.	Manit.	1966	Molozzi, A. R.	Tor.	1953
McKeown, D. L.	N.S.T.C.	1963	Monro, D. M.	Tor.	1966
MacKinnon, D. P.	Br.Col.	1958	Montagnon, N. B.	McG.	1951
MacKinnon, J. C.	N.S.T.C.	1963	Montambeault, G. A.	Laval	1952
McLean, D. J.	Tor.	1957	Montgomery, K. I.	Manit.	1968
McLean, N. C. M.	New Br.	1968	Montgrain, L.	Laval	1970
McLellan, P. W.	Qu.	1955	Morgenstern, N.	Tor.	1956
McLeod, R. S.	Wat.	1968	Morin, J. A. N.	Sher.	1964
MacMillan, F. A.	Qu.	1952			

<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>	<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>
Morisset, Miss L. W.	Ott.	1968	Pearce, G. A.	W.Ont.	1964
Morris, L. R.	Tor.	1965	Pearson, E. L.	Manit.	1954
Mueller, G. S.	Wat.	1966	Peebles, D. R.	New Br.	1968
Muilwyk, C. A.	Alta.	1964	Pekau, O. A.	Tor.	1964
Murdoch, J. C.	Wat.	1970	Pelletier, M. G.	Laval	1966
Murphy, C. L.	Manit.	1953	Perks, W. T.	McG.	1956
Murray, D. W.	Alta.	1952	Perron, P. O.	Laval	1963
Mutter, R. J.	Alta.	1957	Perry, F. J.	Windsor	1969
			Peters, F. E.	R.M.C.	1964
			Petit, N.	Ec.Pol.	1965
			Pettigrew, H. C.	Tor.	1954
Naylor, H. F.	Br.Col.	1951	Pettigrew, M.	Ec.Pol.	1963
Neill, M. T.	Tor.	1953	Phaneuf, M.	Ec.Pol.	1958
Nellestyn, A.	R.M.C.	1965	Picard, A.	Laval	1969
Nettleton, T. R.	Tor.	1956	Pickup, T. J. F.	McG.	1967
Newell, E. P.	Br.Col.	1967	Piercy, G. R.	Br.Col.	1952
Newey, R. A.	Manit.	1953	Pigeon, M.	Laval	1967
Nicholson, D.	Br.Col.	1961	Pigeon, Y.	Laval	1965
Nickerson, J. H. D.	N.S.T.C.	1968	Pike, J. G.	Qu.	1954
Nickerson, T. B.	N.S.T.C.	1964	Pike, R. E.	Br.Col.	1965
Niderost, A. C.	McG.	1961			
Nikiforuk, P. N.	Qu.	1952	Pinder, K. L.	McG.	1952
Nilson, J. A.	Sask.	1960	Pitblado, R. M.	McG.	1970
Nitkin, J. M.	McG.	1962	Platt, W. A.	(Sask.) Alta.	1957
Nordstrom, T. A.	Br.Col.	1958	Ploc, R. A.	Br.Col.	1962
Normand, J. L.	Laval	1962	Plumpton, A. J.	McG.	1962
North, H. E. T. (formerly Tuisku, H. E.)	Qu.	1955	Portfors, E. A.	Alta.	1961
Novak, L. R.	Sir G. Wms.	1969	Poupard, M.	Ec.Pol.	1954
Nuttall, J. B.	Br.Col.	1951	Pranno, J. C. O. G.	Ec.Pol.	1966
			Prémont, L.	Laval	1952
			Price, P.	Misc.	1955
			Price, W. L.	Laval	1964
			Prior, B. W.	Tor.	1951
			Pritchard, R. J.	Qu.	1964
Oates, G. C.	Br.Col.	1954			
O'Brien, E. C.	N.S.T.C.	1959			
Odlozinski, G.	Wat.	1966			
O'Flaherty, T. G.	N.S.T.C.	1965			
Olson, A. T.	Qu.	1953	Quick, C. D.	Wat.	1970
Onysko, D. M.	Manit.	1957			
Osis, I.	Qu.	1963			
Ower, W. N.	New Br.	1956			
			Ramsay, G. M.	Qu.	1961
			Rayner, W. M.	Tor.	1952
			Rayzak, R. J.	Windsor	1964
Paré, J. J.	Laval	1955	Reid, D. B.	Tor.	1970
Parent, M. E.	Ott.	1970	Reid, W. W.	Tor.	1968
Parker, H. E.	McG.	1952	Renwick, W. L.	Wat.	1967
Parker, P. A.	New Br.	1964	Reynolds, A. J.	Tor.	1957
Parkinson, F. E.	Alta.	1956	Rhodes, R. T.	Tor.	1954
Parmley, L. J.	Br.Col.	1963	Richard, C.	Laval	1959
Parsons, G. D.	Wat.	1970	Riley, V. R.	Tor.	1963
Patchell, J. W.	Manit.	1967			
Paterson, G. H. C.	N.S.T.C.	1961	Rion, W. D.	Br.Col.	1962
Pauls, L. R.	Sask.	1965	Riopelle, K. F.	Ott.	1964
			Riordon, J. S.	McG.	1963
Pawluk, W. S.	Alta.	1958	Roberge, J. P. A.	Laval	1953
Peaker, K.	Manit.	1955	Roberts, J. D.	Alta.	1965

<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>	<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>
Roberts, W. G.	N.S.T.C.	1958	Sigurdson, E. L.	Manit.	1962
Robertson, A. J.	N.S.T.C.	1965	Sigvaldason, O. T.	Manit.	1961
Robertson, S. D.	Qu.	1958	Simmonds, S. H.	Alta.	1956
Robinson, D. J.	Br.Col.	1967	Simon, J.	Ec.Pol.	1959
Roden, R. B.	Tor.	1961	Simonsen, C. P. S.	Manit.	1964
Roger, R. S.	Br.Col.	1958	Sims, G. E.	Manit.	1955
Rogers, J. H.	N.S.T.C.	1963	Simpson, R. W.	Tor.	1955
Romaniuk, E.	Manit.	1961	Sincennes, J. J. A.	Ec.Pol.	1957
Roorda, J.	Wat.	1962	Sinclair, G. R.	Qu.	1951
Ross, G. L.	New Br.	1966	Skafel, M. G.	Sask.	1968
Ross, G. M.	McG.	1955	Skinner, D. J.	N.S.T.C.	1960
Ross, J. M.	R.M.C.	1965	Skoczylas, H.	Qu.	1956
Ross, R. B. L.	Tor.	1960	Slingerland, F. W.	Qu.	1951
Rouette, J. P. Y.	Ec.Pol.	1960	Small, B. O. S.	New Br.	1961
Round, R. P. D.	Br.Col.	1960	Small, E. M.	Sask.	1970
Rousseau, J.	Ec.Pol.	1952	Smith, B. C.	N.S.T.C.	1959
Rousseau, L. Z.	Laval	1954	Smith, J. W.	Br.Col.	1957
Rousseau, Y. L.	Ec.Pol.	1952	Smith, K. L.	Br.Col.	1956
Rowe, I. H.	Tor.	1964	Smith, R. R.	Alta.	1968
Roy, A. H.	N.S.T.C.	1954	Smythe, W. D.	Br.Col.	1960
Roy, C.	Laval	1958	Snider, L. A.	McG.	1966
Ruberg, T.	McG.	1970	Snowball, R. F.	Br.Col.	1961
Russ, M. J.	McG.	1959	Soderman, L. G.	Manit.	1955
Rutland, D. F.	Qu.	1966	Sodomsy, K. F.	Manit.	1956
Ryan, P. C.	N.S.T.C.	1970	Somerville, G. F.	Br.Col.	1957
Sainsbury, J. D.	Tor.	1959	Soutar, I. A.	McG.	1958
Sajecki, E. R.	Tor.	1969	Southward, R. E.	McM.	1965
Sankey, J. D.	McG.	1962	Sovka, J. A.	Alta.	1958
Savage, R. H.	Alta.	1961	Sowa, V. A.	Alta.	1959
Savard, G. A.	Laval	1964	Speirs, J. W.	McM.	1969
Savard, J. Y.	Laval	1958	Squire, J. M.	McG.	1951
Schilling, R. H.	Manit.	1959	Staples, B. B.	Br.Col.	1969
Schuddeboom, P. J.	New Br.	1965	Stasiw, T. W.	McM.	1963
Schwahn, J. K. U.	Manit.	1965	Stee, C.	Tor.	1962
Seagram, N. M.	Tor.	1958	Steed, G. M.	Qu.	1967
Sefton, D. J.	Tor.	1965	Stephenson, D. G.	Tor.	1951
Seguin, H. J. J.	Alta.	1959	Stewart, J. M.	Tor.	1959
Seiveright, G. R.	McM.	1969	Stinchcombe, H. S.	Alta.	1965
Semper, B. M.	Wat.	1970	Stirling, D. R.	Manit.	1968
Serdula, K. J.	Sask.	1959	Stojak, P. F.	Sask.	1969
Seychuk, J. L.	Manit.	1954	Stone, R. N.	Br.Col.	1961
Shapiro, J.	McG.	1968	Stott, L. B.	R.M.C.	1967
Sharples, B. P. M.	W.Ont.	1967	St. Pierre, J. A. G.	Laval	1957
Shaw, D. S.	Tor.	1954	Strong, A. B.	Wat.	1963
Shepard, P. B.	Br.Col.	1964	Strutt, W. J.	Manit.	1967
Shephard, R. S.	New Br.	1953	Sullivan, P. J.	Wat.	1965
Sheppard, G. W.	Qu.	1970	Sutcliffe, F. H.	McG.	1955
Shields, D. H.	Sask.	1955	Sutherland, J. P.	Br.Col.	1956
Shier, R. M.	Br.Col.	1953	Swan, D.	Manit.	1963
Shipley, E. L. B.	McM.	1965	Swanson, S. R.	Tor.	1956
Shohet, M.	McG.	1957	Swift, G. W.	Alta.	1953
Shook, C. A.	Alta.	1956	Syer, C. B.	Sask.	1964
			Szabo, F. P.	Qu.	1961
			Szandtner, T. A. B.	Tor.	1963
			Szentesi, O. I.	Alta.	1966

<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>	<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>
Taborek, R. J.	Tor.	1960	Wackman, H. E.	Manit.	1963
Tardiff, H. P.	Laval	1951	Wade, N. H.	New Br.	1959
Taylor, A. S.	McG.	1960	Walford, H. W.	New Br.	1958
Taylor, D. A.	Tor.	1967	Walford, K. D.	New Br.	1966
Taylor, J. S.	Qu.	1969	Wallace, R. R.	Tor.	1956
Terreault, G.	Ec.Pol.	1964	Waller, D. H.	N.S.T.C.	1952
Thibodeau, N.	Ec.Pol.	1969	Wallis, J. M.	Ott.	1964
Thivierge, P.	Ec.Pol.	1956	Walsh, W. N.	New Br.	1965
Thomas, R. E.	New Br.	1961	Ward, G. V.	Br.Col.	1954
Thompson, K. M.	Sask.	1953	Ward, L. R.	New Br.	1959
Thompson, T. S.	N.S.T.C.	1966	Ward, M. A.	Manit.	1960
Thomson, J. E.	Alta.	1969	Warda, R. D.	Br.Col.	1963
Thorburn, H. J.	Br.Col.	1961	Warren, J. P.	McG.	1965
Tiley, P. M.	McM.	1970	Waterer, J. N.	Br.Col.	1969
Till, C. E.	Sask.	1958	Waterfield, J. W.	Alta.	1957
Timusk, J.	Tor.	1963	Watson, T. W.	Qu.	1964
Tischuk, R. G. P.	New Br.	1962	Watt, W. E.	Qu.	1960
Toll, M.O.	W.Ont.	1968	Waugh, P. J.	Manit.	1951
Toll, Mrs. S. A. (formerly Miss S. A. Keillor)	W.Ont.	1968	Wearing, J. R.	McG.	1962
Toole, D. G.	Manit.	1967	Weaver, C. H.	Br.Col.	1968
Toop, G. W.	Br.Col.	1960	Webb, P. P.	McG.	1955
Topper, T. H.	Tor.	1959	Webster, W. G.	Alta.	1962
Townsend, D. L.	McG.	1953	Weir, R. D.	New Br.	1963
Townson, D. E.	Br.Col.	1961	Weld, G. B.	N.S.T.C.	1955
Tremblay, P. E.	Ec.Pol.	1958	Wexler, A.	Manit.	1958
Trofimenkoff, F. N.	Sask.	1959	Wheeler, B. L.	Wat.	1968
Trowbridge, D. B.	Wat.	1969	Whitcombe, R. M.	W.Ont.	1959
Trudeau, B.	Ec.Pol.	1959	Whitehouse, J. D.	W.Ont.	1969
Trusler, N. J.	Br. Col.	1969	Whiteley, H. R.	Qu.	1958
Tucker, W. R.	McG.	1960	Whittaker, J. D.	Alta.	1967
Tuisku, H. E. (now North, H. E. T.)	Qu.	1955	Wiebe, P. A.	Br.Col.	1962
Turchyn, A.	Windsor	1965	Wilenius, G. P. T.	Tor.	1956
Turcotte, S. F.	Ec.Pol.	1965	Williams, A. J.	Qu.	1951
Turner, L. R.	Qu.	1954	Williams, G. S.	McG.	1952
Tyson, W. R.	Tor.	1961	Williamson, D. F.	Br.Col.	1956
			Williamson, K. H.	Manit.	1951
			Wilson, G. P.	N.S.T.C.	1962
			Wilson, J. D.	McM.	1969
			Wilson, K. C.	Br.Col.	1959
			Wilson, L. D.	McM.	1966
Ukrainetz, P. R.	Sask.	1957	Wilson, R. C.	New Br.	1970
Utsal, J.	McG.	1961	Wilson, R. G.	McG.	1951
			Wilson, W. J.	Sask.	1969
			Wilson, W. S.	McG.	1958
Vachal, J. D.	N.S.T.C.	1953	Wira, M. H.	Windsor	1969
Van Dalen, K.	Qu.	1957	Wonham, W. M.	McG.	1956
Vassie, G. S.	Sask.	1970	Wood, J. K.	Tor.	1953
Vaucher, J. G.	Ott.	1962	Woods, D. R.	Qu.	1961
Vigneux, B.	Sher.	1962	Woodside, C. M.	Tor.	1960
Vilagos, J. P.	McG.	1955	Wright, A. E.	Br.Col.	1955
Villeneuve, J. E.	Laval	1956	Wright, G. D. T.	Tor.	1952
Vincent, D. A.	(New Br.) Car.	1970	Wright, G. H.	McG.	1966
			Wright, J. D.	Alta.	1963
			Wright, P. M.	Sask.	1954

<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>	<i>NAME</i>	<i>UNIV.</i>	<i>YEAR OF FELLOWSHIP</i>
Yardye, R. P.	McM.	1967	Zames, G.	McG.	1954
Young, D. D.	Manit.	1953	Zilm, D. H.	Br.Col.	1970
Young, J. R.	Br.Col.	1965			
Young, R. J.	Tor.	1963			
Yuill, G. K.	Manit.	1959			

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA				
1951 Group				
DECOURSEY, W. J.	Chemical	Chemical engineering - Imperial College of Science and Technology (2 years)	801 Colony Street, Saskatoon, Saskatchewan.	Chairman, Chemical Engineering Group, Department of Chemistry, University of Saskatchewan, Saskatoon, Saskatchewan.
JULL, G. W.	Engineering Physics	Electronics - Imperial College of Science and Technology (2 years)	72 Stinson Avenue, Bells Corner, Ontario.	Defence Scientist - Communications, Defence Research Board, Ottawa, Ontario.
1952 Group				
BACH, G. G.	Engineering Physics	Nuclear physics - University of Birmingham (2 years)		Associate Professor, Department of Mechanical Engineering, McGill University, Montreal, P.Q.
ERB, R. B.	Civil	Aeronautical engineering - College of Aeronautics, Cranfield (2 years)	426 Terrace Drive, Seabrook, Texas, U.S.A.	Manager, Lunar Receiving Laboratory, N.A.S.A. Manned Spacecraft Center, Houston, Texas, U.S.A.
FEIR, J. E.	Civil	Hydro-power and river flow - Imperial College of Science and Technology (2 years)	Apt. 809, 240 Brittany Drive, Ottawa 7, Ontario.	Senior Research Officer, Mechanical Engineering, NRC, Ottawa, Ontario.
MURRAY, D. W.	Civil	Hydromechanics - Imperial College of Science and Technology (2 years)	9131 117th Street, Edmonton, Alberta	Professor, Department of Civil Engineering, University of Alberta, Edmonton, Alberta.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1953 Group				
ALLEN, L. D.	Civil	Aerodynamics - College of Aeronautics, Cranfield (2 years)	4521 48th Street, Red Deer, Alberta.	Design Engineer, Canadian Aviation Electronics, Montreal, P.Q.
SWIFT, G. W.	Electrical	Electrical Engineering - Metropolitan-Vickers Electrical Co. Ltd. (2 years)	63 Fordham Bay, Winnipeg 19, Manitoba.	Associate Professor, Department of Electrical Engineering, University of Manitoba, Winnipeg 19, Manitoba.
1954 Group				
DAWSON, D. G.	Electrical	Power Side of electrical engineering - British Thomson-Houston Co. Ltd., Rugby and Willesden. (2 years)	158 Ulster Drive, Oakville, Ontario.	Sales Engineer, Westinghouse Canada Ltd., Box 510, Hamilton, Ontario.
KLINGBEIL, W. W.	Civil	Theory and design of aircraft structures - College of Aeronautics, Cranfield. (2 years)		
1955 Group				
MARSDEN, D. J.	Engineering Physics	Aeronautical engineering - College of Aeronautics, Cranfield (2 years)	3920 Aspen Drive West, Edmonton Alberta.	Associate Professor Department of Mechanical Engineering, University of Alberta, Edmonton, Alberta.
1956 Group				
HOWARD, S. G.	Electrical	Electrical engineering - English Electric Co. Ltd. (2 years)	11740 136th Avenue, Edmonton, Alberta.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1956 Group - continued				
PARKINSON, F.E.	Civil	Hydraulics - D.S.I.R. Hydraulics Research Station, (1 year) Imperial College of Science and Technology. (1 year)	298 Oakdale Crescent, Beaconsfield, P.Q.	La Salle Hydraulics Laboratory, St. Patrick Street, La Salle, P.Q.
SHOOK, C.A.	Chemical	Chemical engineering - Imperial College of Science and Technology (2 years)	612 Lansdowne Avenue, Saskatoon, Saskatchewan.	Associate Professor, Department of Chemistry and Chemical Engineering, University of Saskatchewan, Saskatoon, Saskatchewan.
SIMMONDS, S. H.	Civil	Research in Concrete technology - University of Cambridge. (5 months)	11311 Malmo Road, Edmonton, Alberta.	Professor, Department of Civil Engineering, University of Alberta, Edmonton, Alberta.
1957 Group				
ATKINS, W. R.	Electrical	Light electrical engineering - Imperial College of Science and Technology. (2 years)	386 Cinderella Lane, Santa Barbara, California 93105, U.S.A.	General Research Corporation, Santa Barbara, California, U.S.A.
MUTTER, R. J.	Mining	Environmental engineering, University of Strathclyde, Glasgow. (1 year) The Scottish Council (1 year)	659 Lake Shore Drive, Coquitlam, B.C.	Local Planning Authority, Coquitlam, B.C.
PLATT, W.A. (First degree at Saskatchewan)	Chemical	Chemical engineering - Imperial College of Science and Technology (2 years)		In U.K. - present address - Consultant, Chem Systems International, 28 St. James's Square, London, S.W.1.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1957 Group - continued				
WATERFIELD, J. W.	Electrical	Light electrical engineering - University of Manchester (2 years)		
1958 Group				
MARKLE, D. A.	Engineering Physics	Nuclear power - University of Birmingham. (1 year) Business Administration - London School of Economics (1 year)	11 King Louis Crescent, Agincourt, Ontario.	Manager, Optical Character Recognition Systems, Multiple Access General Computer Corp., Don Mills Road, Don Mills 403, Ontario.
PAWLUK, W. S.	Chemical	Petroleum technology - Shell Refining Co. Ltd. (1 year) Chemical engineering - University of Birmingham. (1 year)	18 Ashgrove Boulevard, Brandon Manitoba.	
SOVKA, J. A.	Chemical	Reactor Physics - University of Birmingham (1 year) Atomic Power Construction Ltd. (1 year)		A.E.C.L. Station 68, Applied Mathematics Branch, Chalk River Nuclear Laboratories, Chalk River, Ontario.
1959 Group				
COOPER, G. A.	Civil	Railway engineering - British Transport Commission. (1 year) Operational Research - University of Birmingham. (1 year)	3222 West King Edward Vancouver 8, B.C.	Management Consultant, Stevenson & Kellogg, 810 Royal Bank Building, Vancouver, B.C.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1959 Group - continued				
SEGUIN, H. J. J.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)		Professor, Department of Electrical Engineering, University of Alberta, Edmonton, Alberta.
SOWA, V. A.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	Apt. 203, 6164 Barker Street, Niagara Falls, Ontario.	H. G. Acres Limited, 5259 Dorchester Road. Niagara Falls, Ontario.
1960 Group				
FRINDT, R. F.	Engineering Physics	Physics and chemistry of solids - University of Cambridge. (2 years)	1032 Stafford Avenue, Coquitlam New Westminster, B.C.	Associate Professor, Department of Physics, Simon Fraser University, Burnaby 2, B.C.
2 LINDBERG, G. M.	Engineering Physics	Applied Mechanics - University of Cambridge (2 years)	2215 Alta Vista Drive, Ottawa 8, Ontario.	Research Officer, National Aeronautical Establishment, National Research Council Ottawa, Ontario.
1961 Group				
KRANIAS, J. W.	Engineering Physics	Automatic Control Systems - Imperial College of Science and Technology (2 years)	325 Rose Park Drive, Toronto 7, Ontario.	Account Manager, IBM, Box 15, Toronto Dominion Centre, Toronto 111, Ontario.
PORTFORS, E. A.	Civil	Fluid mechanics - Imperial College of Science and Technology (1 year) University of Aberdeen (1 year)	4263 Ranger Crescent, North Vancouver, B.C.	Hydraulic Engineer, International Power & Engineering Consultants, 570 Dunsmuir, Vancouver, B.C.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1961 Group - continued				
SAVAGE, R. H.	Civil	Structures - University of Aberdeen (1 year) Control engineering - University of Strathclyde. (1 year)	13904-109 A Avenue, Edmonton 40, Alberta.	Assistant Manager & Chief Engineer, Planning & Design of Urban Transportation Systems, De Leuw Cather & Co. of Canada. 1506 Centre Street, Calgary, Alberta.
1962 Group				
DAVIS, D. N.	Electrical	Electronics and Automatic controls- Imperial College of Science and (2 years)	Apt. 239, 2660 Norberry Crescent, Ottawa 8, Ontario.	Assistant Research Officer, National Aeronautical Establishment, National Research Council, Ottawa, Ontario.
HEMMINGS, R. L.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	Apartment 24, 700 Place de l'Esplanade, Trois Rivieres, P.Q.	Station Chemical Engineer, Atomic Energy of Canada Ltd., c/o Hydro Quebec Centrale Nucleaire De Gentilly, CP.360, Gentilly, P.Q.
JOHNSTON, R. H.	Electrical	Electrical engineering - Imperial College of Science and Technology. (2 years)		
WEBSTER, W. G.	Electrical	Electrical engineering - University of Aberdeen (17 months) General Electric Co. Ltd. (7 months)	12780 Ethier, Pierrefonds 920, P.Q.	
1963 Group				
HARRISON, W. C.	Engineering Physics	Nuclear Engineering - University of Manchester. (2 years)	303 Maitland Avenue, Peterborough, Ontario.	Reactor Safety Engineer, Atomic Energy of Canada Ltd., Box 1200, Peterborough, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1963 Group - continued				
WRIGHT, J. D.	Chemical	Chemical Engineering - Controls - University of Cambridge. (2 years)		Assistant Professor, Department of Chemical Engineering, McMaster University, Hamilton, Ontario.
1964 Group				
FREDERKING, R.M.W.	Mechanical	Applied Mechanics - Imperial College of Science and Technology (2 years)	2030 Woodglen Crescent, Ottawa 9, Ontario.	Assistant Research Officer, Division of Building Research. National Research Council, Ottawa 7, Ontario.
MUILWYK, C. A.	Electrical	V.H.F. and microwave applications - University of Sheffield. (2 years)	14935-72 A Street, Edmonton, 31, Alberta.	Standards Engineer, Transmission Standards, Alberta Government Telephones, Box 2411, Edmonton, Alberta.
1965 Group				
ROBERTS, J. D.	Civil	Structural Engineering - Imperial College of Science and Technology (1 year)		Lecturer, School of Engineering, Lakehead University, Thunder Bay, Ontario.
STINCHCOMBE, H. S.	Mechanical	Thermal Power and Process Engineering - Imperial College of Science and Technology. (1 year)	Apt. 18, 55 The East Mall, Islington, Ontario.	Development Engineer, Polythene Plant, Canadian Industries Ltd., Edmonton, Alberta.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1966 Group				
BLAIR, J. T.	Electrical	Power Industry - Associated Electrical Industries Ltd. (2 years)	5761 Woodsworth, Burnaby, B.C.	Control Supervisor, B.C. Hydro and Power Authority, Burrard Thermal Plant, RR.1, Ioco, B.C.
CASTON, A. T.	Chemical	Automatic Control Systems - Imperial College of Science and Technology (1 year) Industrial Engineering - The City University (1 year)	15 Rowanwood Avenue, Toronto 5, Ontario.	I.B.M. Canada Ltd., P.O. Box 15, Toronto Dominion Centre, Toronto 111, Ontario.
SZENTESI, O. I.	Electrical	Microwave Engineering - University College, London. (2 years)	44 Danesbury Crescent, Bramalea, Ontario.	Member of Scientific Staff, Bell-Northern Research, PO Box 2000, Bramalea, Ontario.
1967 Group				
COOTE, R. I.	Metallurgy	Superconductivity - University of Cambridge. (2 years)	Apt. 20, 310 Clarence Avenue South, Saskatoon, Saskatchewan.	Assistant Professor, Department of Mechanical Engineering, University of Saskatchewan, Saskatoon, Saskatchewan.
GOURLAY, W. J.	Chemical	Advanced Chemical Engineering - Imperial College of Science and Technology (1 year)		Died 1969
McALPINE, D. C.	Chemical	Advanced Chemical Engineering - Imperial College of Science and Technology. (1 year) Esso Petroleum Co. Ltd. (1 year)	9123 139th Street, Edmonton, Alberta.	Imperial Oil, Sarnia, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1967 Group - continued				
McROBERTS, E. C.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year)		Graduate Student, Department of Civil Engineering, University of Alberta, Edmonton, Alberta.
WHITTAKER, J. D.	Civil	Structures - Ove Arup and Partners. (6 months)	73A Spring Avenue, Dartmouth Nova Scotia.	Assistant Professor, Industrial Engineering, Nova Scotia Technical College, Halifax, Nova Scotia.
1968 Group				
SMITH, R. R.	Mechanical	Energy Conversion - Queen Mary College. (2 years)	11127 75th Avenue, Edmonton, Alberta.	In U.K. - present address - 43 Claremount Square, London, N.1.
1969 Group				
CHERNUKA, M. W.	Mechanical	Applied Dynamics - University of Leicester. (2 years)	Box 87, Rycroft, Alberta.	In U.K. - present address - c/o Engineering Department. University of Leicester, Leicester LE1-7EH.
LOFTS, N. R.	Electrical	Control Systems - Imperial College. (1 year) Operational Research - University of Birmingham. (1 year)	5304-105 Avenue, Edmonton 80, Alberta.	
THOMSON, J. E.	Electrical	Science of Materials - Imperial College. (1 year) Engineering Research - Oxford University. (1 year)	8424 118 Street, Edmonton, Alberta.	In U.K. - present address - 91 Victoria Road, Oxford.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF ALBERTA - continued				
1970 Group				
CHAMBERS, D. W.	Civil	Concrete Structures - Imperial College. (1 year)	8411 77th Street, Edmonton, Alberta.	
CONSTANT, B. D.	Civil	Soil Mechanics - Imperial College. (1 year)	510916-113 Street, Edmonton 17, Alberta.	
HRUDEY, S. E.	Mechanical	Public Health Engineering - Imperial College. (1 year)	8918-120 Street, Edmonton 61, Alberta.	In U.K. - present address - 147a Church Road, Barnes, London, S.W.13.
UNIVERSITY OF BRITISH COLUMBIA				
1951 Group				
LUND, J. A. H.	Metallurgy	Industrial metallurgy - University of Birmingham (2 years)	2062 West 54th Avenue, Vancouver 14, B.C.	Professor, Department of Metallurgy, University of British Columbia, Vancouver 8, B.C.
NAYLOR, H. F.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	80 Courtney Crescent, New Westminster, B.C.	
NUTTALL, J. B.	Mechanical	Hydraulics - University of Aberdeen. (1 year) Imperial College of Science and Technology. (1 year)		Associate Professor, Department of Civil Engineering, University of Alberta, Edmonton, Alberta.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1952 Group				
BROCKLEY, C. A.	Mechanical	Machine design and strength of materials - University of Sheffield (2 years)	6350 McCleary, Vancouver, 13, B.C.	Professor, Department of Mechanical Engineering, University of British Columbia, Vancouver 8, B.C.
ERLEBACH, W. E.	Chemical	Nuclear chemistry - University of Cambridge. (2 years)	11 Sawmill Road, Saddle River, New Jersey 07458, U.S.A.	Manager Scientific Services, Isotopes Inc., (A Teledyne Co.), 50 Van Buren Avenue, Westwood, N.J. U.S.A.
PIERCY, G. R.	Engineering Physics and Metallurgy	Physical metallurgy - University of Birmingham. (2 years)		Professor, Chairman of Department of Metallurgy and Material Science, McMaster University, Hamilton, Ontario.
1953 Group				
ARNOLD, J. R.	Mechanical	Mechanical engineering - The Brush Group Ltd., Staines, Stockport, Ashton-under-Lyne and Loughborough. (2 years)		
BELROSE, J. S.	Electrical	Radio physics - University of Cambridge. (2 years)	Tadoussac Drive, R.R.2., Aylmer East, P.Q.	Communicating Research Centre, Department of Communications, Shirley Bay, Ontario.
SHIER, R. M.	Engineering Physics	Electrical engineering - British Thomson- Houston Co. Ltd. (2 years)	6670 Madrona Crescent, West Vancouver, B.C.	B.C. Hydro and Power Authority, Vancouver, B.C.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1954 Group				
DAVIES, N. G.	Engineering Physics	Electronics and servo-mechanism - Evershed & Vignoles Ltd. and Metropolitan Vickers Electrical Co. Ltd. (1 year) Imperial College of Science and Technology. (1 year)	10 Sioux Crescent, Ottawa, Ontario K2H 7E5.	Research Scientist, Satellite Communications Systems Communications Research Centre, Ottawa, Ontario.
McNISH, J. A.	Electrical	Electronics and allied equipment - British Thomson-Houston Co. Ltd. (1 year) Business Administration - London School of Economics. (1 year)	245 Lakewood Drive, Oakville, Ontario.	
OATES, G. C.	Mechanical	Mixed industrial experience. Gas turbine and internal combustion engines - Rolls Royce Ltd., Derby. (1 year) University of Birmingham. (1 year)	7511 Angus Drive, Vancouver, B.C.	
WARD, G. V.	Electrical	Electronics and Computers - Metropolitan Vickers Electrical Co. Ltd. (2 years including 7 months at Imperial College of Science and Technology).	215 Grandview Avenue, Willowdale, Ontario.	In U.K. - present address - Manager, Terminal Business Systems Development, c/o IBM UK, 216 Imperial Drive, North Harrow, Middlesex.
1955 Group				
AFFLECK, R. R.	Chemical	Chemical engineering as applied to pulp and paper industry - Wiggins, Teape & Co. Ltd., Aberdeen. (1 year) Business Administration - London School of Economics. (1 year)	942 Stuart Drive, Prince George, B.C.	Production Manager, Prince George Pulp & Paper Ltd., P.O. Box 6000, Prince George, B.C.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1955 Group - continued				
DIETIKER, W.	Electrical	Servo-mechanisms and automatic control - University of Manchester. (2 years)	1837 Juno Avenue, Ottawa 8, Ontario.	Manager of Systems, Scientific Data Systems Inc., 864 Lady Ellen Place, Ottawa, Ontario.
FRASER, R. M.	Electrical	Power generation and distribution plant - C. A. Parsons & Co. Ltd., Reyrolles Ltd., the Central Electricity Authority and Ewbank & Partners Ltd. (2 years)	30 Exmouth Blvd., Winnipeg 29, Manitoba.	Director of Engineering, The Manitoba Hydro Electric Board, Box 815, Winnipeg, Manitoba.
GUTHRIE, D. A.	Chemical	Instrument control - I.C.I. Ltd. (15 months) Evershed & Vignoles Ltd. (8 months)	959 David Avenue, Niagara Falls, Ontario.	Works Manager, Hooker Chemicals, Niagara Falls, Ontario.
HALTON, H. N.	Mechanical	Engineering production - University of Birmingham. (1 year) Vauxhall Motors Ltd. (1 year)	12 Farrow Street, Kitimat, B.C.	Superintendent, Information Systems Division, Aluminum Co. of Canada, Box 1800, Kitimat, B.C.
WRIGHT, A. E.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) John Laing & Son Ltd. (1 year)	110 Lakeshore Road, Pointe Claire, P.Q.	Consulting Engineer, Manager, Montreal Office, Swan Wooster Engineering Co. Ltd. Place Ville Marie, Montreal, P.Q.
1956 Group				
HARVEY, P.	Electrical	Computer control and nuclear reactor control - Ferranti Ltd. (1 year) Business Administration - London School of Economics (1 year)		In U.K. - present address - Section Leader, B.I.C.C. Ltd., 38 Wood Lane, London, W.12.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA -continued				
1956 Group - continued				
KRISTMANSON, D. D.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	228 Stanley Street, Fredericton, New Brunswick.	
SMITH, K. L.	Mechanical	Nuclear power - Metropolitan Vickers Electrical Co. Ltd., Manchester, and Reactor School, Harwell. (1 year) Imperial College of Science and Technology. (1 year)	347 Lees Avenue, Oakville, Ontario.	Atomic Energy of Canada Ltd., Cooksville, Ontario.
SUTHERLAND, J. P.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	172 Ballantyne Ave. South, Montreal W, P.Q.	Director, Commercial Development. Chemcell Ltd., Chemical Division, 800 Dorchester Blvd. West, Montreal 101, P.Q.
WILLIAMSON, D. F.	Chemical	Business Administration - London School of Economics. (1 year) Petroleum refining - Shell Refining and Marketing Co. Ltd. (1 year)	527 Raymond Street, Peterborough Ontario.	
1957 Group				
DRUMMOND, A. M.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)		
GARTSHORE, I. S.	Mechanical	Aeronautical engineering - Imperial College of Science and Technology (2 years)	4070 West 30th Avenue, Vancouver 8, B.C.	Associate Professor, Department of Mechanical Engineering, University of British Columbia, Vancouver 8, B.C.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1957 Group - continued				
HARRIS, T. M.	Engineering Physics	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	4325 Circle Court, Williamsville, New York, U.S.A.	Aero Engineer Research Pilot, Head Flying Qualities & Simulation Section, Cornell Aeronautical Laboratory, Buffalo, New York, U.S.A.
LAURIE, G. H.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	12 Maldaver Avenue, P.O. Box 50, Streetsville, Ontario.	Consolidated Mining & Smelting Products, Research Centre, Sheridan Park, Ontario.
McCRAE, A. M.	Civil	Civil engineering - Crawley Development Corporation. (4 months) Lemon & Blizzard, Civil Engineers. (8 months) Royal College of Science and Technology, Glasgow. (1 year)	R.R. 1, Osoyoos, B.C.	
SMITH, J. W.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	33 Airdrie Road, Leaside, Ontario.	Associate Professor, Department of Chemical Engineering, University of Toronto, Toronto 181, Ontario.
SOMERVILLE, G. F.	Chemical	Chemical engineering - Monsanto Chemicals Ltd. (1 year) Cremer and Warner. (1 year)	98-271 Koanohi Street, Apartment H 2, Area, Oahe, Hawaii 96701.	Section Superintendent, Hawaian Refinery, Standard Oil Company, 225 Bush Street, San Francisco, California, U.S.A.
1958 Group				
DUERKSEN, J. H.	Chemical	Chemical engineering - W. J. Fraser & Co. Ltd. (1 year) Nuclear Technology Advanced Course - Imperial College of Science and Technology. (1 year)	14 Oak Mountain Court, San Rafael, California 94903, U.S.A.	Research Engineer, Chevron Research Company, 576 Standard Avenue, Richmond, California 94802, U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1958 Group - continued				
FOWLER, A. G.	Engineering Physics	Reactor Physics - University of Birmingham (1 year) Atomic Power Construction Ltd. (1 year)	1913 W 45th Avenue, Vancouver 13, B.C.	Chief Analyst, Computing Centre, University of British Columbia, Vancouver 8, B.C.
MacKINNON, D. P.	Mechanical	Mechanical engineering - British Transport Commission. (1 year) Business Administration - London School of Economics. (1 year)		Canadian National Railways, Box 8100, Montreal, P.Q.
NORDSTROM, T. A.	Electrical	Electrical engineering - General Electric Co. Ltd. (1 year) Imperial College of Science and Technology. (1 year)	3971 Ruby Avenue, North Vancouver, B.C.	Executive Assistant to the Chairman, B. C. Hydro & Power Authority, 970 Burrard Street, Vancouver, B.C.
ROGER, R. S.	Electrical	Electrical engineering - University of Manchester, Jodrell Bank Experimental Station. (2 years)	1342 Kendell Crescent, Penticton, B.C.	Department of Energy, Mines & Resources, Box 248, B.C.
1959 Group				
CLARK, S. R.	Electrical	Electrical engineering - Metropolitan Vickers Electrical Co. Ltd. (1 year) University of Aberdeen. (1 year)	1292 Palmer Road, Victoria, B.C.	Assistant Professor, Department of Mathematics, University of Victoria, Victoria, B.C.
CLARK, J. F. J.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	Kingsley Circle, Attleboro, Mass., U.S.A.	Manager, Metallurgical Research and Development Division, Texas Instruments Inc., 34 Forest Street, Attleboro, Mass., U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1959 Group - continued				
MEADOWCROFT, T.R.	Metallurgy	Metallurgy - Imperial College of Science and Technology, Royal School of Mines. (2 years)	5243 Spruce Avenue, Burlington, Ontario.	Senior Research Associate, Steel Company of Canada, Hamilton, Ontario.
WILSON, K. C.	Civil	Fluid mechanics - Imperial College of Science and Technology. (2 years)		
1960 Group				
BROWN, D. W.	Electrical	Communications - Imperial College of Science and Technology. (2 years)	Vlaskamp 226, Den Haag, Netherlands.	Scientist, SHAPE Technical Centre, P.O. Box 174, Den Haag, Netherlands.
CROIL, T. A.	Chemical	Chemical engineering - Shell International Petroleum Co. Ltd., Research Centre, Chester. (1 year) Electrical engineering - Computers - Ferranti Ltd., Manchester. (1 year)	15 Scarth Road, Toronto 5, Ontario.	Management Consultant, Urwick Currie Ltd., 120 Adelaide Street W, Toronto 1, Ontario.
GARRETT, T.	Mechanical	Research in heat transfer - University of Cambridge (2 years)		Defence Research Board, Ottawa, Ontario.
HUNTLEY, C. R.	Engineering Physics	Electronics Research - A.E.I. (Rugby) Ltd. (1 year) Telecommunications - Imperial College of Science and Technology. (1 year)	1551 Howard Avenue, Burnaby 2, B.C.	
ROUND, R. P. D.	Civil	Civil engineering - Freeman, Fox and Partners. (1 year) Hydro-power - Imperial College of Science and Technology. (1 year)	1511 Shorncliffe Road, Victoria, B.C.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1960 Group - continued				
SMYTHE, W. D.	Mechanical	Nuclear power - Imperial College of Science and Technology (2 years)	89 Varley Drive, Box 1075, Kanata, Ontario.	Associate Scientific Officer, Atomic Energy Control Board, Box 1046, Ottawa, Ontario.
TOOP, G. W.	Metallurgy	Metallurgy - Imperial College of Science and Technology, Royal School of Mines. (2 years)	17821-5th Avenue N E, Seattle, Washington, U.S.A.	Assistant Professor, University of Washington, Department of Metallurgy, Seattle, Washington, U.S.A.
1961 Group				
AULD, E. G.	Engineering & Nuclear Physics	Nuclear physics - University of Southampton. (2 years)		Assistant Professor, Physics Department, University of British Columbia, Vancouver 8, B.C.
8 NICHOLSON, D.	Electrical	Automatic control systems - Imperial College of Science and Technology. (1 year) Shell International Petroleum Co. Ltd. (1 year)	191 Chestnut Street, Beaconsfield, P.Q.	Supervising Engineer, Thermal & Nuclear Department, Nenniger & Chenevert, 1550 de Maisonneuve, Montreal 25, P.Q.
SNOWBALL, R. F.	Metallurgy	Industrial metallurgy - University of Birmingham. (2 years)	4879 Via Los Santos, Santa Barbara, California 93105, U.S.A.	President, Electronic Manufacturing Techniquip Ltd. (also ACS Industries Ltd.), 136 Aero Camino, Goleta, California 93017, U.S.A.
STONE, R. N.	Electrical	Electronic control systems - Imperial College of Science and Technology. (2 years)	R.R.1, Stittsville, Ontario.	Development Engineer, Sperry Gyro- scope Co., 6011 Cote de Liesse Road, Montral, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1961 Group - continued				
THORBURN, H. J.	Civil	Structures - University of Bristol. (2 years)	24 Westmoreland Road, Kingston, Ontario.	Research Engineer - Structures, Alcan Research & Development Ltd., Box 8400, Kingston, Ontario.
TOWSON, D. E.	Chemical	Chemical engineering - University of Birmingham (2 years)	7812 160th Street, Edmonton 52 Alberta.	Reservoir Engineer, Imperial Oil Limited, 10025 Jasper Avenue, Edmonton 15, Alberta.
1962 Group				
BIRDSALL, D. L.	Mechanical	Aeronautical engineering - University of Bristol (2 years)		In U.K. - present address - Lecturer, Aeronautical Engineering, University of Bristol, Bristol, Gloucestershire.
EYFORD, B. L.	Electrical	Control & Servo Mechanics - Evershed & Vignoles Ltd. (1 year) Imperial College of Science and Technology. (1 year)	6207 Dawson Street, North Burnaby, B.C.	In U.K. - present address Flat 22, "Oakdene", Welbeck Avenue, Southampton, Hampshire.
GOSMAN, A. D.	Chemical	Mechanical engineering - Imperial College of Science and Technology. (2 years)	Box 1429, Quesnel, B.C.	In U.K. - present address - Lecturer, Mechanical Engineering, Imperial College, Prince Consort Road, London, S.W.7.
PLOC, R. A.	Metallurgical	Metallurgy - University of Cambridge. (2 years)	32 Beach Avenue, Deep River, Ontario.	Atomic Energy of Canada Ltd., Chemistry and Metallurgy Division, Chalk River, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1962 Group - continued				
RION, W. D.	Chemical	Instrumentation & Process Control - The Distillers Co. Ltd. (1 year) University of Cambridge (1 year)	1226 Severin Drive, Sarnia, Ontario.	Economic Analyst, Polymer Corporation Ltd. Sarnia, Ontario.
WIEBE, P. A.	Civil	Hydraulics - University of Aberdeen. (1 year) Imperial College of Science and Technology. (1 year)	1714 Prince Edward Avenue, Niagara Falls, Ontario.	Hydraulic Engineer, H. G. Acres & Co. Ltd., Consulting Engineerings, 1259 Dorchester Road, Niagara Falls, Ontario.
1963 Group				
BROWN, G. W.	Mechanical	Steam Turbine Generators - A.E.I. (Manchester) Ltd. (8 months) A.E.I. Automation Ltd. (8 months) C.E.G.B., West Burton Power Station. (8 months)	481 Goderich Street, Box 978, Port Elgin, Ontario.	Planning & Control Engineer, Bruce Generating Station, Ontario Hydro, Box 1000, Tiverton, Ontario.
CHEREWICK, H. R.	Mechanical	Grinding & Comminution - King's College, London. (2 years)	80 1st Avenue, Grand Mere, P.Q.	Group Leader, Control Systems for Papermaking Machines, Consolidated- Bathurst Ltd., R. & D. Centre, Grand Mere, P.Q.
DAVIES, J. F.	Mechanical	Shipbuilding Engineering - Vickers Armstrong (Shipbuilders) Ltd., Barrow-in-Furness and St. Albans. (2 years)		Designer, Gilmore, German & Milne, Consulting Naval Architects, 401 Dominion Square Building, Montral, P.Q.
HAYTER, R. B.	Electrical	Communication and Navigation Systems - A.E.I. (Woolwich) Ltd. (6 months) The General Electric Co. Ltd. (6 months) University of Birmingham. (1 year)	Box 92, 89 Country Lane, Hazeldean, Ontario.	Microsystem International Limited, Ottawa, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1963 Group - continued				
HERKE, P. W.	Electrical	Computers - Ferranti Ltd. (1 year) Business Administration - London School of Economics. (1 year)		
PARMLEY, L. J.	Civil	Hydraulics - University of Southampton. (1 year) Glenfield & Kennedy Ltd., Kilmarnock. (1 year)	4843 Paton Drive, Vancouver 8, B.C.	T. Ingledon & Ass. Ltd., 1112 W. Pender Street, Vancouver, B.C.
WARDA, R. D.	Metallurgy	Metallurgy - University of Cambridge. (2 years)	3231 West 39th Avenue, Vancouver 13, B.C.	Research Associate, Department of Metallurgy, University of British Columbia, Vancouver 8, B.C.
1964 Group				
DOBELL, K. F.	Chemical	Chemical engineering - Imperial Chemical Industries Ltd., Plastics Division (1 year) Operational Research - University of Birmingham. (1 year)	866 Harris Place, Ladner, B.C.	Research Engineer, City Engineering Department, City Hall, 453 West 12th Avenue, Vancouver 10, B.C.
DVORAK, F. A. (First degree at Royal Military College)	Mechanical	Hydrodynamic lubrication - University of Cambridge. (2 years)	1301 Thomas Lane, Apt. 138, Renton, Washington, 98055, U.S.A.	Boeing Airplane Co., 7800 E. Marginal Way, Seattle 14, Washington, U.S.A.
KILBURN, D. G.	Chemical	Chemical engineering - University College, London. (2 years)	3758 W. 35th Avenue, Vancouver 13, B.C.	Assistant Professor, Department of Microbiology, University of British Columbia, Vancouver 8, B.C.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1964 Group - continued				
LORIMER, G. W.	Metallurgical	Metallurgy - University of Cambridge. (2 years)	3814 W. 8th Avenue, Vancouver 8, B.C.	In U.K. - present address- Lecturer, Department of Metallurgy and Metallography, University of Manchester, Oxford Road, Manchester M13 9PL
SHEPARD, P. B.	Chemical	Petrochemicals - Esso Petroleum Co. Ltd. (1 year) Operational Research - University of Birmingham. (1 year)	1224 Ridgewood Drive, Sarnia, Ontario.	Supervisor, Imperial Oil Ltd., Sarnia Refinery, Sarnia, Ontario.
1965 Group				
LLOYD, D. A.	Civil	Operational Research and Management Studies - Imperial College of Science and Technology. (1 year)	5495 Monarch Street, S. Burnaby,	
MARLON-LAMBERT, J. R.	Civil	Structural engineering - Imperial College of Science and Technology. (1 year)	4498 No. 4 Road, R.R. No. 2, Sardis, B.C.	
McQUHAE, K. G.	Metallurgical	Physical Metallurgy - Imperial College of Science and Technology. (2 years)	31 Westcliffe Road, Box 30, Ottawa 6, Ontario.	Member of Scientific Staff, (Semiconductors Material Research), Bell-Northern Research, PO Box 3511, Station C, Ottawa, Ontario.
PIKE, R. E.	Metallurgical	United Steel Co. Ltd., Sheffield. (1 year) Management Studies - The City University. (1 year)		Executive Chairman, Mindeco Limited, Zimco House, Cairo Road, PO Box 90, Lusaka, Republic of Zambia.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1965 Group - continued				
YOUNG, J. R.	Mechanical	Hoover Ltd., Greenford, Middlesex. (1 year) Operational Research and Management Studies - Imperial College of Science and Technology. (1 year)	4809 Davis Avenue, Terrace, B.C.	Columbia Cellulose Corp., Vancouver, B.C.
1966 Group				
ARNETT, R. R.	Aeronautical	Aeronautical Science and Engineering - College of Aeronautics, Cranfield. (1 year)		Engineer, Maintenance Engineering Department, Air Canada Base. Montreal International Airport, Dorval, P.Q.
GOARD, J. R.	Chemical	Chemical engineering - Imperial College of Science and Technology. (1 year) Operational Research - Imperial College of Science and Technology. (1 year)	2905 West 43rd Avenue, Vancouver 13, B.C.	
McCAFFERY, F. G.	Chemical	Surface Chemistry and Colloids - University of Bristol. (1 year)	602 Harris Place, Varsity Court, Calgary 44, Alberta.	Research Scientist, Petroleum Recovery Research Institute, University of Calgary, Alberta.
1967 Group				
DIXON, B. A.	Electrical	Automatic Control - University of Manchester Institute of Science and Technology. (2 years)	1502-1075 Comox Street, Vancouver 5, B.C.	
ERICKSON, P. D.	Electrical	Instrumentation - Loughborough University of Technology. (1 year) Scientific Instrument Research Association. (1 year)	35 Hillcrest Avenue, Deep River, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1967 Group - continued				
GROUT, P. D.	Chemical	Combustion - Imperial College of Science and Technology. (2 years)	221 Elm Street, Winnipeg 9, Manitoba.	
MAAS, R. B.	Chemical	Systems Engineering - University of Lancaster. (2 years)	2911 East 51st Avenue, Vancouver 16, B.C.	
NEWELL, E. P.	Chemical	Production Engineering - University of Birmingham (1 year) Cremer & Warner. (1 year)	2706 Forbes Street, Victoria, B.C.	
ROBINSON, D. J.	Metallurgy	Electrodeposition - University of Sheffield. (2 years)	150 Kitchener Street, Trail, B.C.	Cominco Ltd., Research Laboratory, Trail, B.C.
1968 Group				
CRIPPS, W. C.	Engineering Physics	Systems Engineering - Lancaster University. (1 year)	5309 Manor Street, North Burnaby, B.C.	
ELFSTROM, G. M.	Engineering Science	Aerodynamics - Imperial College of Science and Technology. (2 years)	Apt. D-8, Country Club Apartments, Tullahoma, Tennessee 37388, U.S.A.	University of Tennessee Space Institute, Tullahoma, Tennessee 37388, U.S.A.
ELLIOTT, J. H. G.	Electrical	Control Engineering - Sussex University. (1 year)	Apt. 5, 20 Alexander Avenue, Pinawa, Manitoba.	
WEAVER, C. H.	Metallurgy	Metallurgical Processes - Birmingham University. (1 year)	Ste. 607 Massey Place, 855 McBride Blvd., New Westminster, B.C.	PhD Candidate, Metallurgical Department, University of British Columbia, Vancouver 8, B.C.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1969 Group				
AVEN, D.	Metallurgical	Engineering Production - University of Birmingham. (1 year)		Associate Consultant, Department of Management Engineering, New Brunswick Research & Productivity Council, PO Box 1236, Fredericton, New Brunswick.
KELSCH, R. G.	Electrical	Electrical Engineering - University of Manchester Institute of Science and Technology. (2 years)	4838 Joyce Road, Vancouver 16, B.C.	In U.K. - present address - Chandos Hall, Granby Row, Manchester M1 3QJ
KING, D. W.	Electrical	Electrical Engineering - University of Sussex. (1 year) Digital Electronics - University of Manchester Institute of Science and Technology. (1 year)	1856 East 37th Avenue, Vancouver, B.C.	In U.K. - present address - 30 Burnham Drive, Burnage, Manchester.
47 STAPLES, B. B.	Metallurgical	Process Metallurgy - Imperial College of Science and Technology. (2 years)	210 Regina Street, Creston, B.C.	In U.K. - present address - Basement Flat, 27 Hereford Square, London S.W.7 1MB
TRUSLER, N. J.	Electrical	Control Systems - Imperial College of Science and Technology. (1 year)	P.O. Box 782, 100 Mile House, B.C.	
WATERER, J. N.	Chemical	Control Systems - Imperial College (1 year) Esso Petroleum Company Ltd. (1 year)	501 Wasson Street, Nelson, B.C.	
1970 Group				
BENSTED, D. J.	Physics	Systems Engineering - University of Surrey. (1 year)	1805-1155 Beach Avenue, Vancouver 5, B.C.	Engineering Manager, Research Industries Ltd., 2779 Lake City Way, Burnaby 2, B.C.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF BRITISH COLUMBIA - continued				
1970 Group - continued				
EDWARDS, S. L.	Electrical	Electrical Instrumentation - SE Laboratories (Engineering) Ltd. (1 year) University College, Swansea. (1 year)	4 Hazlewood Drive, Trail, B.C.	In U.K. - present address - 12 Kingston Road, Sketty, Swansea.
EVANS, R. L.	(For details see entry under TORONTO)			
HODGES, B.	Mechanical	Operational Research - Imperial College.(1 year) British European Airways. (1 year)	969 Groveland Road, West Vancouver, B.C.	In U.K. - present address - 23 Brae Court, Kingston on Thames, Surrey.
ZILM, D. H.	Electrical	Engineering in Medicine - Imperial College. (2 years)	Apt. 207, 425 Carnarvon Street, New Westminster, B.C.	In U.K. - present address - 63 Ansell Road, London, S.W.17.
CARLETON UNIVERSITY				
1961 Group				
McCALLA, J. H.	Civil	Structures - Imperial College of Science and Technology. (1 year) Frederick S. Snow & Partners, Norwich. (1 year)	18 Firwood Crescent, Ottawa 14, Ontario.	Engineer in Charge, Structural Department, J. L. Richards & Associates Ltd., 864 Lady Ellen Place, Ottawa 3, Ontario.
1970 Group				
VINCENT, D. A. (First degree at New Brunswick)	Electrical	Electrical Engineering - University College, London. (2 years)	195½ Augusta Street, Ottawa 2, Ontario.	In U.K. - present address - London House, Mecklenburgh Square, London W.C.1.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE				
1951 Group				
BOIVIN, F.	Mechanical	Electronic control mechanisms - Imperial College of Science and Technology. (1 year) Evershed & Vignoles Ltd., London (8 months) British Thomson Houston Ltd., Rugby (4 months)	3379 rue Perigny, St. Foy 10, P.Q.	Bell Telephone Co., 1050 Beaver Hall Hill, Montreal, P.Q.
BOURASSA, P.	Mechanical	Mechanical engineering - Imperial College of Science and Technology. (1 year) Leyland Motors Ltd., Leyland, Lancs. (1 year)	7415 Malo Street, Brossard, P.Q.	Industrial Development Bank, 901 Victoria Square, Montreal, P.Q.
1952 Group				
⚙ BESSETTE, H.	Mechanical and electrical	Steam power engineering - Imperial College of Science and Technology. (4 months) John Thompson Ltd., Wolverhampton. (12 months) British Electricity Authority, Birmingham. (3 months) E. Green and Son Ltd., Wakefield. (1 month) George Kent Ltd., Luton. (5 weeks)	12282 Beauséjour, Montreal 389, P.Q.	Director, Service & Systems Planning Department, Montreal Transportation Comm., 159 Craig Street West, Room 908, Montreal 126, P.Q.
LAMARRE, B.	Civil	Concrete technology - Imperial College of Science and Technology. (2 years)	4850 Cedar Crescent, Montreal 247, P.Q.	Partner, Lalonde, Valois, Lamarre, Valois & Associates, Consultant Engineers, 615 Belmont Street, Montreal 101, P.Q.
ROUSSEAU, J.	Mechanical and electrical	Aircraft propulsion - College of Aeronautics, Cranfield. (2 years)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1952 Group - continued				
ROUSSEAU, Y. L.	Civil	Production engineering - Brush ABOE Group Services Ltd., Loughborough, Ashton-under- Lyne and Staines. (1 year) University of Birmingham. (1 year)	261 rue Dijon, Pont Viau, Laval, P.Q.	Lalonde, Valois, Lamarre, Valois & Associates, Consultant Engineers, 615 Belmont Street, Montreal 101, P.Q.
1953 Group				
ARSENAULT, R.A.J.	Mechanical and electrical	Marine engineering - Royal Technical College, Glasgow. (1 year) Fairfield Shipbuilding and Engineering Co. Ltd., Glasgow. (1 year)	439 St. Thomas Street, Longueuil, P.Q.	Service de la Construction, Mechanical Specialist, Commission des Ecoles Catholique de Montreal, Montreal, P.Q.
FAVRON, J.	Mechanical and electrical	Aeronautical engineering - de Havilland Co. Ltd. (4 months) Vickers-Armstrong Ltd., Weybridge. (1 year)		Canadair Limited, 3530 Limoges, St. Laurent, P.Q.
1954 Group				
COSSETTE, J. P.	Mechanical	Production engineering - University of Birmingham. (1 year) The Brush Group Limited, Ashton-under- Lyne and Stockport. (10 months) University of Sheffield. (2 months)	221 Avenue Querbes, Outremont 153, Montreal, P.Q.	Engineer, Technology of Materials, Hydro-Quebec, 75 Dorchester Blvd. West, Montreal, P.Q.
MARLEAU, J. E.	Mechanical and electrical	Metallurgy of non-ferrous metals and industrial experience in the production and fabrication of aluminium - University of Birmingham. (1 year) Northern Aluminium Co. Ltd., Rogerstone. (1 year)	5762 Cote St. Antoine, Montreal 260, P.Q.	Placement Officer, Staff Personnel Division, Aluminum Company of Canada Ltd., Place Ville Marie, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1954 Group - continued				
POUPARD, M.	Mechanical	Mechanical engineering - Brush Group Ltd., Ashton-under-Lyne and Loughborough, and University of Sheffield. (1 year)	2485 Moquin Street, Brossard, P.Q.	Professor, Department of Mechanical Engineering, Ecole Polytechnique, 2500 Marie Guyard Street, Montreal, P.Q.
1955 Group				
AMYOT, L.	Mechanical and electrical	Nuclear power - Metropolitan Vickers Electrical Co. Ltd., Manchester and A.E.I. Research Establishment, Aldermaston. (1 year) University of Birmingham. (1 year)	708 Melrose Avenue, Verdun, P.Q.	C. D. Howe & Co. Ltd., 1421 Altwater Avenue, P.Q.
LABONTE, R.	Civil	Public Health Engineering and Concrete Technology - Imperial College of Science and Technology. (19 months) Sandford, Fawcett and Partners. (4 months)	5600 Boulevard M. Duplessis, Montreal North, P.Q.	Associate Professor of Sanitary Engineering, Ecole Polytechnique, Montreal 26, P.Q.
1956 Group				
HOULE, M.	Electrical	Micro-wave, mobile equipment, radar, etc. - Marconi's Wireless Telegraph Co. Ltd. (1 year) Production Engineering - University of Birmingham. (1 year)		
LAFRAMBOISE, J. E. L.	Electro- mechanical	Aeronautics - Imperial College of Science and Technology. (2 years)	22 Hazelwood, Montreal 257, P.Q.	Head of Studies, Bertin Recherches et Developpements, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1956 Group - continued				
THIVIERGE, P.	Mechanical	Steam turbines - Metropolitan Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - University of Birmingham. (1 year)		Group Leader - Mechanical Plumbing, Heating & Ventilation, Department of Public Works, City of Montreal, City Hall, Montreal, P.Q.
1957 Group				
FORTIER, P.	Mechanical	Nuclear Power and Heat Transfer - Imperial College of Science and Technology. (2 years)	728 Avenue Wilder, Outremont, P.Q.	Manager, Nuclear & Thermal Dept., Surveyer, Nenniger & Chenevert Inc., 1550 de Maisonneuve Blvd., Montreal, P.Q.
JURKUS, A. P.	Electrical and Mechanical	Light electrical engineering - University of Sheffield. (2 years)	10 Delong Drive, Box 634, R.R.I., Ottawa, Ontario.	Associate Research Officer, National Research Council, Ottawa 2, Ontario.
SINCENNES, J. J. A.	Civil	Reinforced and prestressed concrete, and constructional engineering - Imperial College of Science and Technology. (2 years)	7665 Place Ornain, Ville D'Anjou, P.Q.	Branch Industrial Engineer, Dominion Bridge Co. Ltd., Lachine, P.Q.
1958 Group				
PHANEUF, M.	Mechanical and electrical	Engineering production - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)	3250 Forest Hill, Apt., 105, Montreal 247, P.Q.	Belanger, Ovelette & Ass., 1224 St. Catherine St. West, Montreal, P.Q.
TREMBLAY, P. E.	Mechanical and electrical	Nuclear Reactor Physics - Imperial College of Science and Technology. (2 years)	11 Marlboro Terrace, Waterdown, Mass., U.S.A.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1959 Group				
DESNOYERS, E.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	35 Allview Crescent, Willowdale, Ontario.	Financial Analyst, Head Office, Imperial Oil Ltd., 111 At Clair W., Quebec City, P.Q.
SIMON, J.	Mechanical	Heat transfer and nuclear power - Imperial College of Science and Technology. (2 years)	540 Hauterive, Duvernay, Laval, P.Q.	Acres Quebec Ltd., 1860 Sun Life Building, Dominion Square, Montreal 2, P.Q.
TRUDEAU, B.	Civil	Concrete technology - Imperial College of Science and Technology. (2 years)	6380 Alexis Contant, Montreal 5, P.Q.	Montreal Catholic School Commission, 3737 Sherbrooke St. East, Montreal, P.Q.
1960 Group				
L'ARCHEVEQUE, R. V.	Electrical	Circuit analysis - Imperial College of Science and Technology. (2 years)	91 Algonquin Street, Deep River, Ontario.	Atomic Energy of Canada Ltd., Box 254, Deep River, Ontario.
MARSAN, A. A.	Chemical	Chemical engineering - University of Birmingham. (2 years)	1471 Rue Laterriere, Sherbrooke, P.Q.	Associate Professor, Mechanical Engineering Department, Universite de Sherbrooke, Sherbrooke, P.Q.
ROUETTE, J. P. Y.	Mechanical	Production engineering - University of Birmingham (1 year) Business Administration - London School of Economics. (1 year)	354 St. Thomas, St. Lambert, Co. Chambly, P.Q.	P.S. Ross et Associés, 880 Chemin Ste. Foy, Quebec 6, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1961 Group				
LAPLANTE, D. G. Y. J.	Civil	Concrete structures and technology - Imperial College of Science and Technology. (2 years)	110 Charnwood Road, Beaconsfield, P.Q.	George Demers, Lemieux & Roy Ltd., Consulting Engineers, Place du Canada, Montreal 3, P.Q.
1962 Group				
CHOQUETTE, M.	Chemical	Chemical engineering - University of Birmingham. (9 months)	6240 44ième Avenue, Rosemont, Montreal 412, P.Q.	
LORRAIN, J. G.	Mechanical	Mechanical and production engineering - Vickers-Armstrong (Engineers) Ltd. (1 year) University of Birmingham. (1 year)		
1963 Group				
ARES, R.	Civil	Civil Engineering - Soil Mechanics - Imperial College of Science and Technology. (1 year) Richard Costain Ltd. (1 year)	1805 Rue Delorme, Vimont, Ville de Laval, Quebec, P.Q.	Production Manager, Concreters Ready- Mix Ltd., 750 Laurentian Boulevard, Ville de Laval, P.Q.
BAZERGUI, A.	Mechanical	Applied Mechanics - University of Sheffield. (2 years)	10476 Bellevue Drive, Pierrefonds, P.Q.	Assistant Professor, Department of Mechanical Engineering, Ecole Polytechnique, Montreal, P.Q.
LECOURS, M.	Electrical	Electronics and Telecommunications - Imperial College of Science and Technology. (2 years)		Assistant Professor, Department of Electrical Engineering, Laval University, Quebec 10, P.Q.
PETTIGREW, M.	Mechanical	Applied Mechanics - University of Sheffield. (1 year) University of Birmingham. (1 year)	55 Rutherford Ave., Deep River, Ontario.	Atomic Energy of Canada, Chalk River, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1964 Group				
BORDUAS, Miss H. F. F. G.	Mechanical	Applied Mechanics - Imperial College of Science and Technology. (2 years)	Apt. 906, 277 St. George Street, Toronto 180, Ontario.	Spar Aerospace Products Ltd., Airport Road, Malton, Ontario.
BOUCHARD, L. H.	Engineering Physics	Automatic control systems - University of Manchester. (2 years)	9337 de Martigny, Montreal 11, P.Q.	
TERREAULT, G.	Electrical	Information engineering - University of Birmingham. (1 year) Communications - G.P.O. Research Station, Dollis Hill, London. (1 year)		
1965 Group				
CASGRAIN, P.	Mechanical	Production Engineering - University of Birmingham. (1 year) Management Studies - The City University (1 year)	11 Avenue Forden, Westmount, P.Q.	
GIRARD, H.	Mechanical	Applied Mechanics - Imperial College of Science and Technology. (1 year) The Motor Industry Research Association, Nuneaton. (1 year)	18 Avenue Laviolette, Montreal 8, P.Q.	
PETIT, N.	Electrical	Automatic Control Systems - Imperial College of Science and Technology. (1 year) Patent engineering - The City University. (1 year)	8291 Kirby Hall, Apt. 12, Montreal 5, P.Q.	IBM Canada, 5 Place Ville Marie, Montreal, P.Q.
TURCOTTE, S. F.	Metallurgical	The Steel Company of Wales Limited, Port Talbot. (1 year) Industrial Engineering - The City University. (1 year)	651 Lindsay, Drummondville, P.Q.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1966 Group				
APRIL, G. E.	Electrical	Automatic Controls - Imperial College of Science and Technology. (1 year) Control Design - English Electric Co. Ltd., Kidsgrove. (1 year)	330 Bas de l'Assomption Sud, L'Assomption, P.Q.	
BRANCHAUD, M.	Civil	Transportation Engineering - Imperial College of Science and Technology. (1 year) Business Administration - University of Strathclyde. (1 year)	4415 Dumas, Pierrefonds, P.Q.	Development Co-ordinator, Marathon Realty Company Ltd., Suite 1930, Place Du Canada, Montreal, P.Q.
KRAVEC, V.	Control Engineering	Instrument and Control Engineering - The City University. (2 years)	3155 Rue Prince Charles, St. Hubert, P.Q.	
PRANNO, J. C. O. G.	Civil	Transportation Engineering - Imperial College of Science and Technology. (1 year) Computer Science - Institute of Computer Science, University of London. (1 year)	1386 Dunant, Sherbrooke, P.Q.	
1967 Group				
ANDERSON, R.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year)	1025 7 Ave., Fabreville, Ville de Laval, P.Q.	
BEAUCHAMP, E. R.	Metallurgy	Science of Materials - Imperial College of Science and Technology. (14 months)	5829 Llanranald Avenue, Montreal, P.Q.	Consulting Engineer, International Nickel Co. of Canada, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ECOLE POLYTECHNIQUE - continued				
1968 Group				
BELLIER, S. P.	Metallurgy	Materials Sciences - Sussex University. (2 years)	56 Newbury, Ottawa 5, Ontario.	
BERTRAND, M.	Engineering Physics	Engineering in Medicine - Imperial College of Science and Technology. (2 years)	1705 Blvd. St. Joseph, Montreal, P.Q.	In U.K. - present address - 53a Dartmouth Park Hill, London N.W.5.
GUARDO, R.	Engineering Physics	Engineering and Medicine - Imperial College of Science and Technology. (2 years)	5617 Jeanne Mance St., Montreal 8, P.Q.	In U.K. - present address - 51 Dartmouth Park Hill, London N.W.5.
1969 Group				
THIBODEAU, N.	Electrical	Operational Research - University of Birmingham. (1 year) British Rail, Derby. (1 year)	10210 Grande Allee, Montreal 357, P.Q.	
1970 Group				
FILION, M.	Geology	Mineral Exploration - Imperial College of Science and Technology. (2 years)	1041 Chemin Morin, Ste-Adele-en- Haut, P.Q.	In U.K. - present address - 147a Church Road, Barnes, London, S.W.13 9HR.
MARCOTTE, P. P.	Mechanical	Mechanical Engineering - University of Sheffield. (2 years)	Apt. 25, 10470 Terrasse Fleury, Montreal 357, P.Q.	In U.K. - present address - 2 Fountside, Oakdale Road, Netheredge, Sheffield 7, Yorkshire.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY				
1951 Group				
BRISSON, J. R.	Chemical	Chemical engineering - University College, London. (3 months) Imperial Chemical Industries Ltd., Billingham. (14 months)	128 Strathcona, Montreal 305, P.Q.	Manager, Defense Products, Canadian Industries Ltd., 630 Dorchester, Montreal 101, P.Q.
HINSE, R.	Mining	Metalliferous mining and Metallurgy of iron and steel - Stewarts and Lloyds Ltd., Corby. (1 year) Royal Technical College, Glasgow. (9 months)	Box 134, Chibougamau, P.Q.	Resident Chief Geologist, Campbell Chibougamau Mines Ltd., Chibougamau, P.Q.
TARDIF, H. P.	Metallurgy	Industrial metallurgy - University of Birmingham. (2 years)	1257 Jean Dequen, Quebec 10, P.Q.	
1952 Group				
MONTAMBEAULT, G. A.	Mining	Mining engineering - Stewarts and Lloyds Ltd., Corby. (8 months) Holman Bros., Camborne. (6 weeks) Camborne School of Metalliferous Mining. (8 months)	726 Claude Picher, Ste. Foy, Quebec, 10, P.Q.	Head of Maintenance Department, Miron Co. Ltd., 2201 Jarry E., Montreal, P.Q.
PREMONT, L.	Chemical	Chemical engineering - University of Cambridge.. (9 months) J. & E. Hall Ltd., Dartford. (6 weeks) Monsanto Chemicals Ltd., Ruabon, Wrexham. (1 year)	3419 Rochambeau, Quebec 10, P.Q.	Scientific Officer, Research Board, C.A.R.D.E., Valcartier, Quebec City, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY - continued				
1953 Group				
BEDARD, M. R.	Civil	Heating and ventilating engineering - National College for Heating, Ventilating, Refrigeration and Fan Engineering, London. (2 years)	7555 Rue Malo, Brossard, Comte Laprairie, Montreal, P.Q.	Head, Mechanical Department, Lalonde, Valois, Lamarre, Valois & Associates, 615 Belmont, Montreal, P.Q.
CHOLLET, J.	Chemical	Chemical engineering - Power Gas Corporation Ltd. (1 year) Imperial Chemical Industries Ltd., Billingham, Co. Durham. (1 year)	772 Carre Thibault, Ste. Therese-en-Haut, C. Terrebonne, P.Q.	Technical Director, Rolland Paper Co. Ltd., St. Jerome, Co. Terrebonne, P.Q.
ROBERGE, J. P. A.	Civil	Concrete technology - Richard Costain Ltd. (1 year) Imperial College of Science and Technology. (1 year)	370 Hall Street, St. Lambert, P.Q.	Associate, Lalonde, Valois, Lamarre, Valois & Associates, Consulting Engineers, 615 Belmont, Montreal, P.Q.
1954 Group				
DESSUREAULT, J. M.	Industrial Metallurgy	Metallurgy of ferrous metals - University of Birmingham. (2 years)	3166 Waterloo Drive, Niagara Falls, Ontario.	Manager, Physical Measurements Laboratory, Carborundum Company, Niagara Falls, New York, U.S.A.
GENDRON, M.	Civil	Steel and concrete structures - Imperial College of Science and Technology. (1 year)	259 Fournier, Ste. Foy, P.Q.	Banque D'Expansion Industrielle, Edifice des Prevoyants du Canada, Boulevard Laurier, Quebec City, P.Q.
ROUSSEAU, L. Z.	Forestry	Forestry research - University of Oxford. (2 years)	19 Laurier Avenue, Quebec City, P.Q.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY - continued				
1955 Group				
MARQUIS, A. H.	Metallurgy	Metallurgy - University of Birmingham. (1 year)	232 du Dauphine, Preville, P.Q.	International Nickel Research & Technical Services Ltd., 5 Place Ville Marie, Montreal, P.Q.
PARE, J. J.	Civil	Concrete technology and soil mechanics - Imperial College of Science and Technology. (2 years)	12 Adams Avenue, Candiac, P.Q.	Asselin, Benoit, Boacher, Ducharme, Lapointe, Consulting Engineers, Quebec City, P.Q.
1956 Group				
LANGLOIS, A. P.	Civil	Business Administration - London School of Economics. (1 year) Hydro-power - Imperial College of Science and Technology. (1 year)	66 Les Peupliers Street, Laval sur- le-lac, P.Q.	Head of Hydraulics Department, Surveyer, Nenniger & Chenevert, 1440 St. Catherine West, Montreal, P.Q.
LAROCHELLE, P.	Civil	Soil Mechanics - Imperial College of Science and Technology. (2 years)	2528 des Hospitalieres, Sillery, Quebec 6, P.Q.	Professor, Head of Department of Civil Engineering, Laval University, Quebec, P.Q.
VILLENEUVE, J. E.	Civil	Concrete technology and construction- Imperial College of Science and Technology. (1 year) Holland and Hannen and Cubitts Ltd. (1 year)		
1957 Group				
LEMYRE, C.	Electrical	Transistors - Imperial College of Science and Technology. (2 years)	28 Bearbrook Road, Ottawa 15, Ontario.	Assistant Professor, Department of Electrical Engineering, University of Ottawa, Ottawa 2, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY - continued				
1957 Group - continued				
ST PIERRE, J. A. G.	Civil	Reinforced and prestressed concrete - Imperial College of Science and Technology. (2 years)	1093 De Bougainville, St. Bruno, P.Q.	Vice-President, Acres Quebec Ltd., 1860 Sun Life Building, Dominion Square, Montreal, P.Q.
1958 Group				
LACHANCE, L.	Civil	Civil engineering - Imperial College of Science and Technology. (1 year) Business Administration - London School of Economics. (1 year)	c/o Dept. of Civil Engineering, Laval University, Quebec 10, P.Q.	Associate Professor, Department of Civil Engineering, Laval University, Quebec 10, P.Q.
ROY, C.	Chemical	Nuclear power - Imperial College of Science and Technology. (2 years)	29 Regency Road, London, Ontario.	Associate Professor, Materials Science Group, University of Western Ontario, London, Ontario.
SAVARD, J. Y.	Electrical	Electrical engineering - University College, London. (2 years)		Associate Professor, Department of Electrical Engineering, Laval University, Quebec 10, P.Q.
1959 Group				
CANUEL, J. L. M.	Chemical	Non-ferrous metals - Imperial Smelting Corporation Ltd. (1 year) Engineering Production and Management - University of Birmingham. (1 year)	716 Rue St. Michel, Arvida, P.Q.	Senior Systems Analyst, Alcan, Arvida, P.Q.
COTE, J. M. A. T.	Mechanical	Mechanical Engineering - C. A. Parsons & Co. Ltd. (8 months) Steel Company of Wales Ltd. (4 months) Thermodynamics - University of Birmingham. (1 year)		Shell Canada, Sherbrook Street East, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY - continued				
1959 Group - continued				
GAGNE, R. R. J.	Electrical	Electrical engineering - microwave work - University College, London. (2 years)	925 Place-du-Viaduc, Quebec 10, P.Q.	Associate Professor, Department of Electrical Engineering, Laval University, Quebec 10, P.Q.
RICHARD, C.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	1797 Egan Avenue, Apartment 8, Montreal 20, P.Q.	Research Laboratories, R. C. A. Victor Co. Ltd., Montreal, P.Q.
1960 Group				
FERLAND, C.	Civil	Soil mechanics and structural engineering - Imperial College of Science and Technology. (2 years)	166 Townsend, St. Bruno, P.Q.	Acres Quebec Ltd., 1860 Sun Life Bldg., Dominion Square, Montreal, P.Q.
GUAY, M.	Engineering Physics	Reactor physics and technology - University of Birmingham. (1 year) Imperial College of Science and Technology. (1 year)	351 St. Olivier, Apt. 3, Quebec 4, P.Q.	System Engineer, International Business Machines Co. Ltd., Quebec City, P.Q.
1961 Group				
DUSSAULT, R. G.	Civil	Engineering hydrology and soil mechanics - Imperial College of Science and Technology. (2 years)	49 Sandhurst Crescent, Kingston 6, Jamaica.	Materials Engineer, PWD Materials Laboratory, Min. of Communications & Works, 140 Maxfield Avenue, Kingston 10, Jamaica.
DUVAL, A. G.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	8981 Avenue de Bretagne, Ville d'Anjou, P.Q.	Sidbec, 507 Place d'Armes, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY - continued				
1962 Group				
NORMAND, J. L.	Civil	Soil Mechanics - Imperial College of Science and Technology. (2 years)	1214 Preston, Sillery, Quebec 6, P.Q.	Soil Engineer, Ministere De La Voirie, Hotel Du Gouvernement, Quebec City, P.Q.
1963 Group				
PERRON, P. O.	Metallurgy	Metallurgy - University of Strathclyde. (2 years)		Research Officer, Reactor Materials Branch, Atomic Energy of Canada Ltd., Chalk River, Ontario.
1964 Group				
PRICE, W. L.	Engineering Physics	Operational research - University of Birmingham. (2 years)	2035 Kings Grove Crescent, Ottawa 9, Ontario K1J 6E9.	Research & Development Officer, Personnel Branch, Canadian Forces Headquarters, Cartier Square, Ottawa, Ontario.
SAVARD, G. A.	Chemical	Chemical engineering - University of Birmingham. (1 year)	8540 Clairmont, Charlesbourg, Quebec City 7, P.Q.	H. C. Bolduc Inc., Quebec, P.Q.
1965 Group				
PIGEON, Y.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	Apt. 602, 4488 St. Catherine St. West, Montreal 215, P.Q.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY - continued				
1966 Group				
BOUCHARD, M.	Metallurgy	Metallurgy - Imperial College of Science and Technology. (2 years)	1428 Bonita Avenue, Berkeley, California 94709, U.S.A.	210 Hearst Mining, University of California, Berkeley, California 94707, U.S.A.
PELLETIER, M. C.	Production	Production Engineering - Hoover Ltd., Greenford, Middlesex. (1 year) Industrial Marketing - The City University. (1 year)	1947 Sheppard Street, Quebec 6, P.Q.	Assistant Trade Commissioner, Canadian Embassy, Apartado 62302 Caracas, Venezuela.
1967 Group				
PIGEON, M.	Civil	Concrete Structures - Imperial College of Science and Technology. (2 years)	529 De Gaspe, Apartment 110, Montreal 201, P.Q.	Designer (Structural Engineer), Lalonde, Valois, Lamarre, Valois and Associates, 615 Belmont, Montreal, P.Q.
1969 Group				
MAURICE, Y.	Engineering Geology	Mineral Exploration - Imperial College of Science and Technology. (2 years)	2927 Rue Decourcelles, Sainte-Foy, P.Q.	In U.K. - present address - Flat 7, 88 Highbury New Park, London, N.5.
PICARD, A.	Civil	Prestressed Concrete - Imperial College of Science and Technology. (2 years)	1523 Place des Bouleaux, Apt. 6, Charny, Co. Levis, P.Q.	Lecturer, Department of Civil Engineering, Laval University, Quebec 10, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
LAVAL UNIVERSITY - continued				
1970 Group				
DELISLE, G.	Metallurgy	Metallurgy - Wolverhampton Metal Ltd. (1 year) Industrial engineering The City University. (1 year)	1074, Avenue de Salaberry, Quebec P.Q.	In U.K. - present address - Nansen Willage, Flat 14, 21 Woodside Avenue, London, N12 8AQ.
MONTGRAIN, L.	Engineering Physics	Metallurgy - Imperial College (2 years)	2410, Chapleau Sillery, Quebec 6, P.Q.	In U.K. - present address - 147a, Church Road, Barnes, London, SW13 9HR.
UNIVERSITY OF MANITOBA				
1951 Group				
DUTTON, V. L.	Civil	Hydraulics and structural engineering, James Williamson and Partners, Glasgow. (1 year) University of Cambridge. (1 year)	63, Laval Drive, Winnipeg, 19, Manitoba.	Associate Professor of Civil Engineering, University of Manitoba, Winnipeg, Manitoba.
MINTY, D. H.	Mechanical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	Box 183, Manotick, Ontario.	Partner - Consulting Engineer, Brais, Frigon, Hanley, Brett and Minty, 215, McLeod Street, Ottawa, Ontario, K2P 0Z8.
MOFFAT, A. J.	Electrical	Design, testing manufacture and installation of electrical equipment - British Thomson Houston Co. Ltd., Rugby, and Rugby Technical College. (2 years)	232, Penn Drive, Burlington, Ontario.	Section Engineer, Canadian Westinghouse Ltd., Longwood Drive, Hamilton, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1951 Group - continued				
WAUGH, P. J.	Mechanical	Aircraft engineering - English Electric Co. Ltd. (2 years)	Apartment 416, 80, Coehill Drive, Toronto, 3, Ontario.	Regional Engineer, Domtar Packaging Ltd., Hinde & Dauch Division, 43, Hanna Avenue, Toronto 3, Ontario.
WILLIAMSON, K. H.	Electrical	Telephone engineering - Siemens Bros. & Co. Ltd., Woolwich. (2 years)	99 Tunis Bay, Winnipeg 19, Manitoba.	Manager, Communications & System Protection, Manitoba - Hydro, Winnipeg, Manitoba.
1952 Group				
BECK, H. R.	Electrical	Light electrical engineering, Railway Signalling Practice, Manufacture of Signalling Equipment - Imperial College of Science and Technology. (10 months) Westinghouse Brake and Signal Co., London. (1 month) Metropolitan-Vickers - G.R.S. Ltd., London. (1 month) Siemens and General Electric Railway Signal Co. Ltd., Wembley. (3 months) British Railways. (9 months)	3060, Glencoe Avenue, Montreal, 16, P.Q.	Assistant Chief Engineer - Administration, Canadian National Railways, P.O. Box 8100, Montreal, 3, P.Q.
CHERRY, S.	Civil	Structural research - University of Bristol. (2 years)		Professor, Civil Engineering Dept., University of British Columbia, Vancouver, 8, B.C.
CLIFFE, J. B.	Electrical	Gas turbine technology - Imperial College of Science and Technology. (1 year) National Gas Turbine Establishment, Farnborough. (1 year)	31, Elliott Street, Dartmouth, Nova Scotia.	Associate Professor of Mechanical Engineering, Nova Scotia Technical College, Halifax, Nova Scotia.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA -continued				
1952 Group - continued				
KERR, J. A.	Civil	Hydraulic engineering - Imperial College of Science and Technology (16 months) Sir William Halcrow and Partners, London. (8 months)	295, Leopold Crescent, Regina, Saskatchewan.	Snr. Systems Engineer, Saskatchewan - Nelson Basin Board, 511 Motherwell Bldg., Regina, Saskatchewan.
1953 Group				
AKER, D. L.	Electrical	Automatic controls - A. Reyrolle and Co. Ltd., Hebburn. (1 year) Evershed and Vignoles Ltd., Chiswick. (6 months) English Electric Co. Ltd. (6 months)	35, White Street, Kitimat, B. C.	Superintendent of Electrical Maintenance, Aluminum Company of Canada Limited, Kitimat, B. C.
MURPHY, C. L.	Mechanical	General engineering and gas turbine technology - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Imperial College of Science and Technology. (1 year)		Associate Professor, Department of Mechanical Engineering, McGill University, Montreal 110, P.Q.
NEWHEY, R. A.	Mechanical	Steam turbines - C. A. Parsons and Co. Ltd., Newcastle-upon-Tyne. (2 years)	146, Sunny Side Avenue, Pointe Claire, P.Q.	Shawinigan Engineering Co. Ltd., 620, Dorchester Boulevard West, Montreal 2, P.Q.
YOUNG, D. D.	Mechanical	Automobile design and production - Rootes Group (Humber Ltd., Coventry). (2 years)	4, Birchleaf Crescent, Weston, Ontario.	Senior Design and Development Engineer, Vickers-Sperry of Canada Ltd., Rexdale, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1954 Group				
GODFREY, J. W. A.	Electrical	Electronics - British Thomson Houston Co. Ltd., Rugby. (2 years)	917, Oakenwald Avenue, Winnipeg, 19, Manitoba.	Supervising Engineer, Manitoba Telephone System, 489, Empress St., Winnipeg, 10, Manitoba.
McDOUGALD, R. A.	Mechanical	Steam turbine industry - C. A. Parsons and Co. Ltd. (1 year) Engineering production - University of Birmingham. (1 year)	4205, Dunvegan Road, Burlington, Ontario.	Assistant Manager, Otis Elevator Co., Hamilton, Ontario.
PEARSON, E. L.	Mechanical	General mechanical engineering - Fraser and Chalmers in G.E.C. Group. (2 years)	1061, Green Acres Lane, Neenah, Wisconsin 54956, U.S.A.	Research Project Engineer, Kimberley Clark Corporation, Research & Engineering Division, Kimlark, Wisconsin, U.S.A.
SEYCHUK, J. L.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year) George Wimpey & Co. Ltd., Southall. (1 year)	38, Longfield Road, Islington, Ontario.	Partner, H. Q. Golder & Associates Ltd., 3151, Wharton Way, Cooksville, Ontario.
1955 Group				
BJORNSSON, A. B.	Civil	Soil mechanics and steel design - Imperial College of Science and Technology. (1 year) Structural analysis - Cleveland Bridge and Engineering Co. Ltd. (1 year)	1 Beardmore Crescent, Willowdale, Ontario.	Dominion Bridge Co. Ltd., P.O. Box 310, Terminal "A", Ontario Branch, Toronto, Ontario.
PEAKER, K.	Civil	Highway engineering and soil mechanics - Imperial College of Science and Technology. (1 year) Sir Robert McAlpine and Sons Ltd. (4 months) Richard Costain Ltd., London. (6 months)		W. A. Trow & Associates Ltd., 1850, Jane Street, Toronto, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1955 Group - continued				
SIMS, G. E.	Mechanical	Nuclear power - A.E.I., John Thompson Industrial and Nuclear Energy Group, Sale. (20 months) Kennedy & Donkin Ltd., Edinburgh. (4 months)	848 Lyon Street, Winnipeg, 19, Manitoba.	Associate Professor, Department of Mechanical Engineering, University of Manitoba, Winnipeg, 19, Manitoba.
SODERMAN, L. G.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year) George Wimpey and Co. Ltd., Southall. (3 months)		Died 1969.
1956 Group				
GAGNE, R. E.	Engineering Physics	Computers and servo-mechanisms - Imperial College of Science and Technology. (2 years)		Head, Analysis Section, Division of Mechanical Engineering, National Research Council, Ottawa, Ontario.
GILLESPIE, J. C.	Electrical	Communications - University College, London. (1 year) General Electric Co. Ltd. (1 year)	134, Presidio Avenue, San Francisco, California, U.S.A.	Farinon Electric, San Carlos, California, U.S.A.
SODOMSKY, K. F.	Engineering Physics	Electrical communications - Imperial College of Science and Technology. (2 years)	1917, Elder St., Reading, Penn., U.S.A.	
1957 Group				
FULFORD, P. J.	Mechanical	Nuclear power - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)		Dept. of Nuclear Engineering, Purdue University, West Lafayette, Indiana, U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1957 Group - continued				
ONYSKO, D. M.	Civil	Prestressed concrete - Imperial College of Science and Technology. (1 year) Ove Arup and Partners. (1 year)	1894, Elmridge Drive, Ottawa, 9, Ontario.	Research Scientist, Department of Forestry & Rural Development, Ottawa, Ontario.
1958 Group				
BROWN, C. J.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) University of Birmingham. (1 year)	Niagara Park Lake, Queenston, Ontario.	Staff Specialist, H. G. Acres & Co. Ltd., 1259, Dorchester Road, Niagara Falls, Ontario.
WEXLER, A.	Electrical	Electrical engineering - Imperial College of Science and Technology. (2 years)	6-205, Rupertsland Ave., Winnipeg 17, Manitoba.	Associate Professor, Department of Electrical Engineering, University of Manitoba, Winnipeg 19, Manitoba.
1959 Group				
BAILEY, K. A.	Mechanical	Electrical engineering - Metropolitan-Vickers Electrical Co. Ltd. (1 year) Engineering Production - University of Birmingham. (1 year)	1140, Grosvenor Avenue, Winnipeg 9, Manitoba.	Management Consultant, Ernst & Ernst, 232, Portage Ave., Winnipeg, Manitoba.
SCHILLING, R. H.	Mechanical	Refrigeration - J. and E. Hall Ltd. (1 year) National College of Heating, Ventilating, Refrigeration and Fan Engineering. (1 year)	1199, McMillan Avenue, Winnipeg 9, Manitoba.	Associate Professor, Mechanical Engineering Department, University of Manitoba, Winnipeg 19, Manitoba.
YUILL, G. K.	Mechanical	Reactor physics - University of Birmingham. (1 year) Business Administration - London School of Economics (1 year)	34, McMasters Road, Winnipeg 19, Manitoba.	Assistant Professor, Mechanical Engineering Department, University of Manitoba, Winnipeg 19, Manitoba.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1960 Group				
DUECK, D.	Mechanical	Steam turbine generators - A.E.I. (Manchester) Ltd. (1 year) Thermal Power and Process engineering - Imperial College of Science and Technology. (4 months) C.E.G.B. West Thurrock. (8 months)		
DUNCAN, R.M.	Mechanical	Steam and gas - turbines - A.E.I. (Manchester) Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)	62, Pellam Way, P.O. Box 1181, Kanata, Ontario.	Assistant Scientific Adviser, Nuclear Reactors, Atomic Energy Control Board, 107, Sparks St., Ottawa, Ontario.
HABERMAN, L. P.	Civil	Hydro-power engineering (Hydraulics) - Imperial College of Science and Technology. (1 year) Hydraulics Laboratory - George Wimpey and Co. Ltd. (1 year)	470, Montrose Street, Winnipeg 9, Manitoba.	
HANUSCHAK, W.	Civil	Structural engineering - Sir William Halcrow and Partners. (9 months) Civil engineering - University of Birmingham. (14 months)	344, Waverly Street, Winnipeg 9, Manitoba.	Partner; Crosier, Greenberg and Partners, 11th Floor, 213, Notre Dame, Winnipeg, Manitoba.
WARD, M. A.	Civil	Concrete structures and technology - Imperial College of Science and Technology. (2 years)	3007, Underhill Drive, N.W., Calgary, Alberta.	Associate Professor, Department of Civil Engineering, University of Calgary, Calgary 44, Alberta.
1961 Group				
BUCHANAN, D. G.	Electrical	Digital computers - University of Manchester. (2 years)	544, Ash Street, Winnipeg 9, Manitoba.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1961 Group - continued				
GROVER, B. P.	Civil	Hydraulic engineering - English Electric Co. Ltd. (6 months) Binnie and Partners. (6 months) Business administration - London School of Economics. (1 year)	5815, Melvern Drive, Bethesda, Maryland 20034, U.S.A.	Sanitary Engineer, International Bank for Reconstruction & Development, Washington D.C., U.S.A.
ROMANIUK, E.	Electrical	Engineering production - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)	80, Lonsdale Drive, Winnipeg 22, Manitoba.	P. S. Ross & Partners, Management Consultants, Winnipeg, Manitoba.
SIGVALDASON, O.T.	Civil	Concrete structures and technology - Imperial College of Science and Technology. (2 years)	P.O. Box 895, Niagara-on-the-Lake, Ontario.	Head, Applied Mechanics, H. G. Acnes Ltd., 1259, Dorchester Road, Niagara Falls, Ontario.
1962 Group				
CROSTHWAITE, J. L.	Mechanical	Thermodynamics - C. A. Parsons and Co. Ltd. (1 year) University of Birmingham. (1 year)	P.O. Box 297, Pinawa, Manitoba.	
GRIFFITH, M. C.	Electrical	Communications - General Electric Co. Ltd. (1 year) University of Birmingham. (1 year)		Northern Elec. Co., Montreal, P.Q.
SIGURDSON, E. L.	Engineering Physics	Computing and Remote Control Systems - Imperial College of Science and Technology. (2 years)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1963 Group				
SWAN, D.	Mechanical	Machine Tool Control - Ferranti Ltd., Dalkieth (1 year) Manchester College of Science and Technology. (1 year)		Control Systems Marketing Rep., I.B.M. Co. Ltd., 2255, Albert Street, Regina, Saskatchewan.
WACKMAN, H. E.	Civil	Hydro Power Technology - Imperial College of Science and Technology. (1 year) Business Administration - London School of Economics. (1 year)		Assistant Engineer, Research & Development Department, Canadian National Railways, Headquarters Building, 935, La Gauchetiere St. West, Montreal, P.Q.
1964 Group				
McCREATH, D. R.	Civil	Concrete structures and technology - Imperial College of Science and Technology. (2 years)	1476, Wellington Crescnet, Winnipeg 9, Manitoba.	H. G. Acres Limited, 1259, Dorchester Road, Niagara Falls, Ontario.
SIMONSEN, C. P. S.	Civil	Hydraulic engineering - University of Strathclyde. (2 years)	Ste. 411-1025, Grant Ave., Winnipeg 9, Manitoba.	Province of Manitoba Water Control and Conservation Department, Winnipeg, Manitoba.
1965 Group				
DUMAS, B. W.	Civil	Structural Engineering - University of Southampton. (1 year) Operational Research - University of Birmingham. (1 year)		
SCHWAHN, J. K. U.	Electrical	Automatic Control Systems - Imperial College of Science and Technology. (2 years)	914, Victoria St., Kingston, Ontario.	Aluminum Co. of Canada Ltd., Kingston Works, Kingston, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1966 Group				
COLEY, R. W.	Civil	Hydraulics - University of Strathclyde. (15 months)	641 Oak Street, Winnipeg 9, Manitoba.	Design Engineer, Manitoba - Hydro, Winnipeg, Manitoba.
CROOK, G. C.	Mechanical	Systems Design and Control Engineering - University College, Swansea. (1 year) Operational Research - University of Birmingham. (1 year)	Ste. 218. 660 Dakota Street, Winnipeg 8, Manitoba.	Systems Engineer, IBM Canada Ltd., 3173 Broadway Ave., Winnipeg 1, Manitoba.
KEELTY, J. M.	Electrical	Information and Systems Engineering - University of Birmingham. (1 year)	428 Beaverbrook Street, Winnipeg 9, Manitoba.	Engineer, Technical Products Division, R.C.A. Victor Co. Ltd., Montreal, P.Q.
MacKENZIE, N. S.	Mechanical	Operational Research and Management Studies - Imperial College of Science and Technology. (1 year) Unilever Ltd., London. (6 weeks)	Apartment 1518, 200 Balliol Street, Toronto 7, Ontario.	Management Consultant, Woods Gordon & Company, P.O. Box 253, Toronto 111, Ontario.
1967 Group				
PATCHELL, J. W.	Electrical	Electrical Engineering - University of Oxford. (2 years)	354, Maplewood Avenue, Winnipeg 13, Manitoba.	Defence Research Board, Valcartier, P.Q.
STRUTT, W. J.	Mechanical	Instrument and Control Engineering - The City University. (1 year)	29, George Vanier, Roxboro 900, P.Q.	Industrial Engineer, Research & Development, C.N.R. Systems Headquarters Bldg., Montreal, P.Q.
TOOLE, D. G.	Industrial	Operational Research - The City University. (1 year)	186, Woodside Crescent, Beaconsfield 880, P.Q.	Financial Analyst, Domtar Limited, PO Box 7210, Montreal 101, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1968 Group				
CHAPMAN, D. G.	Electrical	Control Systems - Imperial College of Science and Technology. (2 years)	124, Larchdale Cres., Winnipeg, 15, Manitoba.	In U.K. - present address - 62 Fullers Road, London E.18.
HODGE, S. S.	Electrical	Control Systems - Manchester Institute of Science and Technology. (2 years)	Box 44, Pointe du Bois, Manitoba.	
KATZBERG, J. D.	Electrical	Automatic Control - Imperial College of Science and Technology. (2 years)	101 Marshall Crescent, Winnipeg 19, Manitoba.	In U.K. - present address - 21 The Broadway, London SW19 1PS.
LEWAK, J. N.	Mechanical	Aerodynamics - Cranfield College of Aeronautics. (2 years)	1226, College Avenue, Winnipeg, Manitoba.	Design Engineer, Bristol Aerospace Ltd., P.O. Box 874, Winnipeg, Manitoba.
MONTGOMERY, K. I.	Mechanical	Thermal Power - Imperial College of Science and Technology. (1 year)	110, Mollard Crescent, Regina, Saskatchewan.	Design Engineer, Generation Design Department, Saskatchewan Power Corporation, Regina, Saskatchewan.
STIRLING, R. R.	Civil	Industrial Engineering and Operational Research - The City University. (1 year)	16-43, Edmonton Street, Winnipeg 1, Manitoba.	Management Services Dept., Prairie Region, Canadian National Railways.
1969 Group				
CARD, H. C.	Electrical	Solid State Electronics - Manchester Inst. of Science and Technology. (2 years)	893, Ingersoll Street, Winnipeg 10, Manitoba.	
LIIVAMAGI, P.	Civil	Civil Engineering - University of Salford. (1 year) University College, London. (1 year)	746, Simcoe Street, Winnipeg 3, Manitoba.	In U.K. - present address - Max Rayne House, Whitcher Place, Rochester Road, London NW1 9JE.
MENZIES, D. F.	Electrical	Control Systems - Imperial College. (1 year) National Physical Laboratory. (3 months)	c/o Mr. G. Menzies, Shoal Lake, Manitoba.	Operations Division, Manitoba-Hydro, Winnipeg, Manitoba.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF MANITOBA - continued				
1970 Group				
ANDREWS, R. S.	Electrical	Communications - Imperial College. (2 years)	182, Clonard Avenue, Winnipeg 8, Manitoba.	In U.K. - present address - Flat 2, 5 Cornwall Gardens, London S.W.7.
FENTON, T. R.	Mechanical	Bioengineering - Strathclyde University. (1 year)	12 Pawnee Bay, Winnipeg, Manitoba.	In U.K. - present address - 3A Elliott House, Burns Road, Cumbernauld, Scotland.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY				
1951 Group				
BACHOVZEFF, C.	Mechanical	Mechanical engineering - Metrology and Administration - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) College of Technology Manchester. (1 year)	363, Windermere Drive, Beaconsfield 880, P.Q.	Manager, Industrial Engineering Research and Development, Canadian National Railways, P.O. Box 8100, Montreal 110, P.Q.
CHAMBERLAIN, R. E.	Civil	Structural analysis - University of Birmingham and Vickers-Armstrong Ltd., Weybridge. (2 years)	284, Oakdale Crescent, Beaconsfield, P.Q.	Assistant to the Vice-President, Engineering Services, Dominion Bridge Co., P.O. Box 280, Montreal, P.Q.
MONTAGNON, N. B.	Electrical	Electronic circuitry - British Thomson Houston Co. Ltd., Rugby. (2 years)		
SQUIRE, J. M.	Mechanical	Engineering practice - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - University of Birmingham. (1 year)		Canadian General Electric, Major Appliance Department, 5781, Notre Dame Street East, Montreal 5, P.Q.
WILSON, R. G.	Mechanical	Aeronautics - College of Aeronautics, Cranfield. (2 years)	828, La Jennifer Way, Palo Alto, California 94306, U.S.A.	Staff Engineer (Structures), United Airlines, San Francisco International Airport, San Francisco, California 94128, U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1952 Group				
PARKER, H. E.	Mechanical	Aircraft design and propulsion - College of Aeronautics, Cranfield. (2 years)	5104, Aquila Street, St. Genevieve, P.Q.	Sperry Gyroscope Co. of Canada Ltd., Montreal, P.Q.
PINDER, K. L.	Chemical	Chemical engineering - University of Birmingham. (2 years)		Associate Professor, Department of Chemical Engineering, University of British Columbia, Vancouver 8, B.C.
WILLIAMS, G. S.	Mechanical	Gas turbine industry and engineering production and management - Rolls Royce Limited, Derby. (1 year) University of Birmingham. (1 year)	7410, de Chambois Street, Montreal 16, P.Q.	Air Canada, Place Ville Marie, Montreal, P.Q.
1953 Group				
CROWE, C. M.	Chemical	Physical chemistry - University of Cambridge. (2 years)	1868, Main Street West, Apartment 907, Hamilton, Ontario.	Professor of Chemical Engineering, McMaster University, Hamilton, Ontario.
DeLORY, F. A.	(For details see entry under TORONTO)			
KENNEY, T. C.	Civil	Soil mechanics and foundations - Imperial College of Science and Technology. (2 years)	35, Hartfield Road, Etobicoke, Toronto, Ontario.	Professor and Chairman, Department of Civil Engineering, University of Toronto, Toronto 181, Ontario.
McINTYRE, E. H.	Metallurgical	Industrial metallurgy - University of Birmingham. (1 year) United Steel Companies Ltd. (attached to Steel, Peach and Tozer Works). (1 year)		Lake Ontario Steel Company Ltd., Hopkins Street South, Whitby, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1953 Group - continued				
TOWNSEND, D. L.	Civil	Soil mechanics, foundation engineering - Imperial College of Science and Technology. (1 year) John Mowlem & Co. Ltd., and Soil Mechanics Ltd. (1 year)	292, Woodland Drive, Oakville, Ontario.	Consulting Engineer in Soil Mechanics, H. Q. Golder & Associates, 3151, Wharton Way, Cooksville, Ontario.
1954 Group				
BRABANT, C. E.	Engineering Physics and Electrical	Electronics and servo-mechanisms - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) University of Manchester. (1 year)		
CORBETT, F. M.	Electrical	Electrical engineering (Switch gear and rectifiers) - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year 7 months) The British Thomson Houston Co. Ltd., Rugby. (5 months)	325, Dickie, Arvida, P.Q.	Superintendent, Power System Operation, Aluminium Co. of Canada Ltd., 339, Davies Street, Arvida, P.Q.
JONAS, J. J.	Metallurgical	Administration, management and production - Steel Company of Wales Ltd. (1 year) University of Cambridge. (1 year)	311, Metcalfe Avenue, Montreal 225, P.Q.	Associate Professor, Department of Metallurgical Engineering, McGill University, Montreal 110, P.Q.
ZAMES, G.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	90, Commonwealth Ave., Boston, Mass., U.S.A.	Senior Scientist, NASA Electronics Research Centre, Cambridge, Mass., U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1955 Group				
HAYES, W. F.	Mechanical	Aeronautical engineering (Aircraft propulsion) - College of Aeronautics, Cranfield. (2 years)	1862, Cloverlawn, Beacon Hill S., Ottawa 7, Ontario.	
ROSS, G. M.	Electrical	Telecommunications - Standard Telephones and Cables Ltd. Woolwich, and Woolwich Polytechnic. (2 years)	91, Howland Avenue, Toronto 179, Ontario.	
SUTCLIFFE, F. H.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) E. J. Cook & Co. Ltd., London. (1 year)	149, Willowdale Street, Dollard-des-Ormeaux, P.Q.	Associate, General Engineering Co. Ltd., 100, Adelaide Street West, Toronto, 1, Ontario.
VILAGOS, J. P.	Mechanical	Production engineering and management - University of Birmingham. (1 year) Metropolitan-Cammell Carriage & Wagon Co. Ltd., Birmingham. (7 months) London Transport Executive (4 months)	48, Forest Road, Dollard-des-Ormeaux, P.Q.	Senior Development Officer, Design & Planning, Canadian National Railways, Montreal, P.Q.
WEBB, P. P.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)		R.C.A. Victor Co. Limited, 1001, Lenoir Street, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY- continued				
1956 Group				
LEFCORT, M. D.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - University of Birmingham. (1 year)	1142, 38th Avenue, Seattle, Washington, U.S.A.	Research Specialist, Compressor Design Group, The Boeing Company, Industrial Products Division, Seattle, Washington, U.S.A.
PERKS, W. T.	Civil	Municipal engineering - City Engineer's Department, Bradford. (1 year) Civil Design - University of Liverpool. (1 year)	235, Holmwood Avenue, Ottawa, 1, Ontario.	Chief, Long Range Planning, National Capital Commission, Carling and Bell, Ottawa, Ontario.
WONHAM, W. M.	Electrical	Control engineering - University of Cambridge. (2 years)	484, Avenue Road, Toronto, Ontario.	Associate Professor, Department of Electrical Engineering, University of Toronto, Toronto, 181, Ontario.
1957 Group				
FANCOTT, R.	Mechanical	Nuclear power - Imperial College of Science and Technology. (1 year) Ewbank & Partners Ltd. (1 year)	229, Ste. Claire Avenue, Pointe Claire, P.Q.	Design Engineer, Instrumentation & Controls, Montreal Engineering Co. Ltd., 276, St. James Street, W., Montreal, P.Q.
HEFFERNAN, F. J. P.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year) Business Administration - London School of Economics. (1 year)	11, Mitre Place, Weston, Ontario.	Engineer, H.Q. Golder & Associates Ltd., 2444, Bloor W., Toronto 9, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1957 Group - continued				
SHOHET, M.	Civil	Mechanical engineering - The Steel Company of Wales Ltd. (1 year) Imperial College of Science and Technology. (1 year)		Immobilia Inc., 750, Laurentien Boulevard, Montreal, P.Q.
1958 Group				
BORENSTEIN, S. R.	Engineering Physics	Nuclear physics - Imperial College of Science and Technology. (2 years)	3279, Beach Avenue, Baltimore, Maryland, U.S.A.	Department of Physics, Johns Hopkins University, Baltimore 18, Maryland, U.S.A.
SOUTAR, I. A.	Mining Engineering	Business Administration - London School of Economics. (1 year) The Mining Engineering Co. Ltd., Worcester. (1 year)	379, Grosvenor Avenue, Montreal 215, P.Q.	Pembroke Management Ltd., 1245, Sherbrooke Street West, Montreal 109, P.Q.
WILSON, W. S.	Engineering Metallurgy	Metallurgy - English Steel Corporation Ltd. (1 year) Business Administration - London School of Economics. (1 year)	4913, Western Avenue, Montreal 6, P.Q.	Consolidated Mining & Smelting Co. Ltd., 600 Dorchester Boulevard West, Montreal, P.Q.
1959 Group				
CHAGNON, M. M. J.	Civil	Engineering production - University of Birmingham. (1 year) British Transport Commission. (1 year)	397, Papineau, Beloeil, P.Q.	Assistant Analytical Services Officer, St. Lawrence Region, Canadian National Railways, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY- continued				
1959 Group - continued				
FRENCH, M. D.	Mechanical	Roller bearing production - British Timken Ltd., and Hoffman Manufacturing Co. Ltd. (6 months each) Business Administration - London School of Economics. (1 year)		
JONES, N. R.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)	330, Somervale Gardens, Apartment 3, Pointe Claire, P.Q.	Senior Air Conditioning Engineer, Dominion Textile Ltd., 1950 Sherbrooke Street W., Montreal, P.Q.
RUSS, M. J.	Engineering Physics	Electrical engineering - University of Birmingham. (2 years)	4228, N. 87th Street, Scottsdale, Arizona 85251, U.S.A.	Manager, Materials R. & D. and Evaluation Engineering, Motorola Semiconductor Products Inc., 5005, E. McDowell Road, Phoenix, Arizona, U.S.A.
1960 Group				
ABBOTT, J. A. R.	Mechanical	Industrial engineering - G.E.C. Ltd., Erith (10½ months) J. & E. Hall Ltd., Dartford (1½ months) Engineering production - University of Birmingham. (1 year)	90, Churchill Road, Baie D'Urfe, P.Q.	Urwick, Currie & Partners Ltd., 600, Dorchester St. W., Montreal, P.Q.
DESCARY, J. G.	Mechanical	Paper manufacturer and paper mill machinery - Wiggins, Teape & Co. Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)		Dominion Engineering Co. Ltd., P.O. Box 220, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1960 Group - continued				
LYLE, S. M.	Electrical	Automatic controls - Imperial College of Science and Technology. (2 years)	22 Princess Anne Crescent, Islington, Ontario.	Vice-President - Marketing, L & W Data Systems Ltd. 20 Victoria Street, Toronto 1, Ontario.
TAYLOR, A. S.	Civil	Structures and materials - University of Cambridge (1 year) Business Administration - London School of Economics. (1 year)	3477 Drummond Street, Apartment 601, Montreal, P.Q.	Pembroke Management Limited, 1245 Sherbrooke Street West, Montreal 109, P.Q.
TUCKER, W. R.	Mechanical	Fluid mechanics - National Engineering Laboratory, East Kilbride, (1 year) University of Glasgow. (1 year)	24 Finchley Road, Hampstead 254, P.Q.	Engineering Consultant, 24 Finchley Road, Hampstead 254, P.Q.
1961 Group				
BRUNET, R. C. J.	Engineering Physics	Theoretical physics - Imperial College of Science and Technology. (2 years)	1064 Bernard O., Apartment 31, Outremont, P.Q.	Associate Professor, Department of Mathematics, University of Montreal, Montreal, P.Q.
HENDERSON, K. A.	Mechanical	Applied Mechanics - Imperial College of Science and Technology. (2 years)	8 D'Anjou Avenue, Candiac, P.Q.	Project Manager, Canadian National Railways, 935 Lagauchetiere, Montreal, P.Q.
NIDEROST, A. C.	Mechanical	Mechanical engineering - J. & E. Hall Ltd. (9 months) University of Aberdeen. (15 months)	P.O. Box 88, Lebel Sur Quévillon, Abitibi, P.Q.	Domtar Chemicals Limited, 1155 Dorchester Boulevard W., Montreal, P.Q.
UTSAL, J.	Electrical	Control Systems - Elliott Bros. (London) Ltd. (1 year) University of Cambridge. (1 year)	273 Brighton Drive, Beaconsfield, P.Q.	Associate Instrumentation Engineer, Engineering Department, Du Pont of Canada Ltd., P.O. Box 660, Montreal 3, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1962 Group				
DARLINGTON, R. F.	Mechanical	Applied mechanics - Imperial College of Science and Technology. (2 years)	392 51st Avenue, Lachine, P.Q.	Chief Engineer, Systems and Research Development, Abex Ind. of Canada, Jarry Hydraulics Division, 3550 Rachel Street, Montreal, P.Q.
MAXWELL, A. S.	Mechanical	Production Engineering - British Motor Corporation. (1 year) Business Administration - London School of Economics. (1 year)	3440 Ontario Avenue, Apartment 2, Montreal 109, P.Q.	Operational Research Department, Alcan Limited, Place Ville Marie, Montreal, P.Q.
NITKIN, I. M.	Civil & Structural	Structures - University of Cambridge. (2 years)	5538 Ash St., Vancouver 13, B.C.	Chief Engineer, Canron Limited, 145 W. 1st Avenue. Vancouver, B.C.
PLUMPTON, A. J.	Metallurgical	Non-ferrous process - The Wolverhampton Metal Co. Ltd. (1 year) Imperial College of Science and Technology. (1 year)	745 Woodland Drive, Kenmore, Buffalo, New York, U.S.A.	
SANKEY, J. D.	Electrical	Control Engineering - A. Reyrolle & Co. Ltd. (1 year) University of Cambridge. (1 year)	Box 379, Orleans, Ontario.	Department of Applied Physics, National Research Council, Ottawa, Ontario.
WEARING, J. R.	Chemical	Petro-Chemicals - University of Birmingham. (2 years)	320 Green Circle, Dorval 780, P.Q.	Technical Superintendent, Monsanto Canada Ltd., 425 St. Patrick St., La Salle, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1963 Group				
BAILEY, C. M.	Mechanical	Steam Turbines - A.E.I. (Manchester) Ltd. (1 year) Reactor Physics - University of Birmingham. (1 year)	Apartment 15, Bldg. C., Applewood Courts, 1230 Gripsholm Road, Cooksville, Ontario.	Physics & Analysis Branch, Power Projects, Atomic Energy of Canada Ltd., P.O. Box 905, Toronto 18, Ontario.
CLARK, P. M.	Electrical	Theoretical processes in Solid State Physics - Queen Mary College, London. (2 years)	117 Rue de Touraine, Preville, P.Q.	In U.K. - present address - Lecturer, Physics Department, The Open University, Walton, Bletchley, Bucks.
DULEY, W. W.	Engineering Physics	Spectroscopy - Imperail College of Science and Technology. (2 years)		Associate Professor, Department of Physics, York University, Downsview 463, Ontario.
DUNSIGER, A. D.	Electrical	Communications and Electronics - International Computers and Tabulators Ltd. (1 year) University of Birmingham. (1 year)	Salita Canata 28A 19032 Lerici, Italy.	Research Scientist, Saclant ASW Research Centre, Viale San Bartolomeo 400, 19026 La Spezia, Italy.
GILSIG, T.	Electrical	Power Systems - Imperial College of Science and Technology. (2 years)	25 Roosevelt Avenue, Apt. 5, Town of Mt. Royal, P.Q.	Hydro Quebec Research Institute, 75 Dorchester Boulevard W., Montreal, P.Q.
Hugill, J. W.	Mechanical	Cranes and Heavy Materials Handling Equipment - Wellman Smith Owen Engineering Corporation Ltd. (1 year) University of Sheffield. (1 year)	427 Dufferin Road, Hampstead, Montreal 29, P.Q.	Mechanical Division, Dominion Bridge, Co. Ltd., Montreal, P.Q.
RIORDON, J. S.	Electrical	Controls - Imperial College of Science and Technology. (2 years)	69 Promenade Avenue, Ottawa 12, Ontario.	Associate Professor, Faculty of Engineering, Carlton University, Ottawa, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1964 Group				
BRIDGEWATER, A. W.	Engineering Physics	Communications and electronics - Elliott Bros. (London) Ltd. (1 year) Information Engineering - University of Birmingham. (1 year)	4570 Montclair Avenue, Montreal 28, P.Q.	Defence Research Board, Ottawa, Ontario.
CALDWELL, W. N.	Mechanical	Automatic Controls - Electric Traction Systems - Imperial College of Science and Technology. (1 year each)	67 Pasteur Street, Dollard des Ormeaux 970, P.Q.	Research Engineer, Canadian National Railways, Technical Research & Development, 3950 Hickmore Ave., St. Laurent 376, P.Q.
HESS, M. L.	Mechanical	Operational Research - British European Airways, (1 year) Operational research - University of Birmingham. (1 year)	1000 Lawlor St., Apartment 902, Montreal 380, P.Q.	Systems Engineer, I.B.M., 5 Place Ville Marie, Montreal, P.Q.
HINDS, H. W.	Electrical	Automatic control systems - The English Electric Co. Ltd. (1 year) Control Engineering - University of Birmingham. (1 year)	35 Hillcrest, Deep River, Ontario.	Development Engineer, Electronic Control and Instrumentation Division, Atomic Energy of Canada, Deep River, Ontario.
KIND, R. J.	Mechanical	Aerodynamics - University of Cambridge. (2 years)	3510 Trenholme Avenue, Montreal 28, P.Q.	Assistant Professor, Faculty of Engineering, Carleton University, Ottawa 1, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1965 Group				
LOWE, P. A. R.	Civil	Structural Engineering - Imperial College of Science and Technology. (2 years)		Structural Engineer, No. 1 Construction Engineering Unit, C.F.B., Winnipeg, Manitoba.
WARREN, J. P.	Civil	Structural Engineering - Imperial College of Science and Technology. (1 year)	80 Debernierre, Quebec 4, P.Q.	Structol Inc., P.O. Box 400, Quebec 8, P.Q.
1966 Group				
JOHNS, K. C.	Civil	Structural Mechanics - University College, London. (2 years)	229 Argyle Street, Sherbrooke, P.Q.	Assistant Professor, Department of Civil Engineering, University of Sherbrooke, Sherbrooke, P.Q.
MAMEN, R.	Electrical	Automatic Controls - Imperial College Science and Technology. (2 years)	Box 553, St. Sauveur des Monts, P.Q.	
SNIDER, L. A.	Electrical	Silicon Control Rectifiers - English Electric Co. Ltd., Stafford. (6 months) Machine Control - University of Birmingham. (18 months)	3245 Linton Avenue, Apt. 8, Montreal 26, P.Q.	
WRIGHT, G. H.	Electrical	Control Systems - Imperial Chemical Industries Ltd. (1 year) Imperial College of Science and Technology. (1 year)	3164 The Boulevard, Montreal 217, P.Q.	Operations Analyst Equipment Section, Aluminium Co. of Canada Ltd., Arvida, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1967 Group				
HISSINK, A. J.	Electrical	Microwaves - University College, London. (2 years)	2165 Saunderson Drive, Ottawa, 8, Ontario.	Directorate of Maritime Combat Systems. Canadian Forces Headquarters, 200 Elgin Street, Ottawa 4, Ontario.
PICKUP, T. J. F.	Chemical	Chemical Engineering - University of Cambridge. (2 years)	81 Chemin Ste-Foy, Quebec 6, P.Q.	In U.K. - present address - 72 Broadway Lane, Throop, Bournemouth, Hampshire.
1968 Group				
ANDERSON, A. B.	Chemical	Biomedical Engineering - Cambridge University. (2 years)	2590 Argyle Road, Apt. 904, Mississauga, Ontario.	British Petroleum, Toronto, Ontario.
SHAPIRO, J.	Chemical	Chemical Engineering - Cambridge University. (2 years)	5153 Westbury Avenue, Montreal 29, P.Q.	
1969 Group				
AVEDESIAN, M. M.	Chemical	Chemical Engineering - University of Cambridge. (2 years)	10290 Terrasse Fleury, Montreal, P.Q.	In U.K. - present address - Flat 3, Burrells End, 58A Grange Road, Cambridge.
MATYAS, A. G.	Metallurgical	Process Metallurgy - Imperial College of Science and Technology. (2 years)	2105 Depatie, Montreal, P.Q.	In U.K. - present address - 1b Albert Court, Kensington Gore, London S.W.7.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McGILL UNIVERSITY - continued				
1970 Group				
CLAMEN, M.	Civil	Hydraulics - Imperial College (2 years)	4747 Mackenzie Street, Montreal 252, P.Q.	In U.K. - present address 22 Suffolk Road, Barnes, London S.W.13
LEVINE, D.	Civil	Biomedical Engineering - Imperial College. (2 years)	5000 Borden Avenue, Montreal 357, P.Q.	In U.K. - present address - 70 Queensgate, London S.W.7.
MITTLEMAN, M. L.	Civil	Structural Engineering - Imperial College (1 year, 3 months) Freeman, Fox & Partners. (9 months)	4345 Hingston Avenue, Montreal 261, P.Q.	In U.K. - present address - 62 Flanders Road, London W.4.
PITBLADO, R. M.	Chemical	Shell Chemicals (U.K.) Ltd. (1 year) Cremer & Warner. (1 year)	Apt. 41, 331 Clarke Avenue, Westmount 215, P.Q.	In U.K. - present address - London House, Mecklenburgh Square, London W.C.1.
RUBERG, T.	Metallurgy	Metallurgy - Cambridge University (2 years)	4750 Barclay Avenue, Montreal, P.Q.	In U.K. - present address - Churchill College, Cambridge, CB3 OD5
McMASTER UNIVERSITY				
1962 Group				
MALE, D. H.	Mechanical	Heat Transfer - Associated Electrical Industries (Manchester) Ltd. (1 year) University of Birmingham. (1 year)		Assistant Professor, Department of Mechanical Engineering, University of Saskatchewan, Saskatoon, Saskatchewan.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McMASTER UNIVERSITY - continued				
1963 Group				
CARVER, M. B.	Mechanical	Gas, Steam and Hydraulic Turbines - English Electric Co. Ltd. (1 year) University of Birmingham. (1 year)	13 Hillcrest Avenue, Deep River, Ontario.	Atomic Energy of Canada Limited, Chalk River, Ontario.
STASIW, T. W.	Electrical	Communications and Electronics - University of Birmingham. (1 year) Ferranti Ltd. (1 year)	Box 137, Vineland, Ontario.	
1964 Group				
MENZIES, R. W.	Electrical	Electrical engineering (A/C controls) - University of St. Andrews. (2 years)	42 Cornell Drive, Winnipeg 19, Manitoba.	Associate Professor, Department of Electrical Engineering, University of Manitoba, Winnipeg 19, Manitoba.
1965 Group				
SHIPLEY, E. L. B.	Civil	Soil Mechanics - University of Manchester. (2 years)	Apt. 2, 553 Brunel, Ottawa 7, Ontario.	Management Services Branch, Post Office Department, Ottawa, Ontario.
SOUTHWARD, R. E.	Civil	Engineering Research (Structures) - University of Cambridge. (2 years)	79 Woodland Avenue, St. Catharines, Ontario.	
1966 Group				
FREEMAN, W. S.	Civil	Soil Mechanics - University of Glasgow. (2 years)	2077 Barsuda Drive, Apt. 10, Mississauga, Ontario.	H.Q. Golder & Associates, 3151 Wharton Way, Cooksville, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McMASTER UNIVERSITY - continued				
1966 Group - continued				
IRONSIDE, J. E.	Electrical	Design of Computing Equipment - English Electric Co. Ltd. (1 year) Automatic Control - University of Manchester Institute of Science and Technology. (1 year)		
KAMUTZKI, B. H.	Mechanical	Thermodynamics - Hawker Siddeley Dynamics Ltd., Hatfield. (1 year) Heat and Power - University College, Swansea. (1 year)	Apartment 206, 2 Kennedy Avenue, Toronto 3, Ontario.	
WILSON, L. D.	Production	Production engineering - Loewy-Robertson Engineering Co. Ltd. (8 months) Operational Research - B.E.A. Ruislip. (4 months) University of Birmingham. (1 year)	Apartment 603, 287 Markland Drive, Etobicoke, Ontario.	Research Engineer, W. P. Dobson, Research Eng. Lab., 200 Kipling Avenue S., Toronto 18, Ontario.
1967 Group				
YEARDYE, R. P.	Electrical	Automation Systems - Ferranti Ltd., Manchester. (1 year) Computing Science - University of Manchester. (1 year)	666 Mohawk Road East, Apartment 704, Hamilton, Ontario.	Systems Engineer, I.B.M., 636 Main Street East, Hamilton, Ontario.
1969 Group				
EARP, R. G.	Chemical	Chemical Engineering - Imperial College of Science & Technology. (2 years)	20 Kirby Avenue, Greensville, Ontario.	In U.K. - present address - 107 Magdalen Road, Earlsfield, London S.W.18;
SEIVERIGHT, G. R.	Engineering Physics	Nuclear Engineering - Queen Mary College, London. (2 years)	228 Watson Avenue, Oakville, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
McMASTER UNIVERSITY - continued				
1969 Group - continued				
SPIERS, J. W.	Civil	Civil Engineering - Marples Ridgway Ltd. (1 year) G. Maunsell & Partners. (1 year)	3020 Glencrest Road, Apartment 1002 Burlington, Ontario.	Foundation of Canada Engineering Company Limited., Toronto, Ontario.
WILSON, J. D.	Chemical	Industrial experience - B.P. Chemicals (Hull) Ltd. (8 months) Polymer & Fibre Science - University of Manchester Institute of Science & Technology. (16 months)	810 Glenwood Av., Burlington, Ontario.	
1970 Group				
HARRISON, E. J.	Electrical	Measurements and Instrumentation - University of Aston in Birmingham. (1 year)	851 Garth Street, Hamilton 43, Ontario.	
TILEY, P. M.	Engineering Physics	Fluid and Thermal Studies - University of Bristol. (1 year) C. A. Parsons & Co. Ltd., Newcastle. (6 months)	Box 32, R.R.2. Dundas, Ontario.	In U. K. - present address - 248 Dale Street, Chatham, Kent.
UNIVERSITY OF NEW BRUNSWICK				
1951 Group				
FYTCH, E. L.	Electrical	Electrical engineering - British Electricity Authority. (2 years)	3 Hexham Road, Ottawa, 14, Ontario.	Programme Officer, Treasury Board Secretariat, Government of Canada, Ottawa, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF NEW BRUNSWICK - continued				
1951 Group - continued				
McCULLY, G. R.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)	Wolf Rock Road, Carlisle, Mass. 01741, U.S.A.	Staff Member in Radar Division, M.I.T. Lincoln Laboratories, 244 Wood Street, Lexington, Mass. 02173, U.S.A.
1952 Group				
di CENZO, C. D.	Electrical	Servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	28 Millen Avenue, Hamilton, Ontario.	Professor, Dept. of Electrical Engineering, McMaster University, Hamilton, Ontario.
1953 Group				
BURRIDGE, R. E.	Electrical	Electrical engineering - British Thomson Houston Co. Ltd., Rugby. (continued studies at Rugby Technical College). (2 years)	790 Windsor Street, Fredericton, New Brunswick.	Associate Professor, Department of Electrical Engineering, University of New Brunswick, Fredericton, New Brunswick;
SHEPHARD, R. S.	Civil	Papermaking and Paper Mill machinery - Walmsley (Bury) Ltd. (3 months) Courtaulds Ltd., Coventry. (1 month) Bertrams Ltd., Edinburgh. (7 months) Business Administration - London School of Economics. (1 year)	141 Tangmere Court, Clayton Park, Halifax, Nova Scotia.	Special Representative, Industrial Estates Ltd., George Street, Halifax, Nova Scotia.
1954 Group				
BALLANCE, R. C.	Civil	Public Health engineering - Imperial College of Science and Technology. (2 years)	125 Shaughwessy Blvd., Willowdale, Ontario.	Public Health Engineering Service, Department of Health, 1 St. Clair West, Toronto 7, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF NEW BRUNSWICK - continued				
1954 Group - continued				
GRANT, E. J.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) The Prestressed Concrete Co. Ltd., London. (10 months)	258 Montgomery Street, Fredericton, New Brunswick.	Associate Professor, Department of Civil Engineering, University of New Brunswick, Fredericton, New Brunswick.
1955 Group				
DEAN, J. R.	Mechanical	Steam turbines and Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) University of Birmingham. (1 year)	954 York Street, Fredericton, New Brunswick.	President & General Manager, A.D.I. Ltd., Box 44, 1115 Regent Street, Fredericton, New Brunswick.
1956 Group				
HALE, R. C.	Civil	Business Administration - London School of Economics. (1 year) Civil engineering (Structures) - Cleveland Bridge and Engineering Co. Ltd. (1 year)	2361 Armcrescent East, Halifax, Nova Scotia.	
OWER, W. N.	Mechanical	Thermodynamics - English Electric Co. Ltd., Rugby. (1 year) University of Birmingham. (1 year)		
1957 Group				
CASS, G. R.	Electrical	Light electrical engineering - Imperial College of Science and Technology. (2 years)	5862 N.D.G. Avenue, Montreal, P.Q.	Senior Research Engineer, Department of Research and Development, Canadian National Railways, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF NEW BRUNSWICK - continued				
1958 Group				
FANJOY, E. M.	Electrical	Electrical engineering - Imperial College of Science and Technology. (1 year) General Electric Co. Ltd. (1 year)	3349 Queen Frederica Drive, Cooksville, Ontario.	
WALFORD, H. W.	Civil	Mechanical engineering - National College for Heating, Ventilating, Refrigeration and Fan Engineering. (6 months) Coode & Partners, Civil Engineers. (6 months) Concrete technology - Imperial College of Science and Technology. (1 year)	521 Lee Avenue, Woodstock, Ontario.	
1959 Group				
HAYWARD, D. G.	Mechanical	Electrical engineering - English Electric Co. Ltd. (1 year) Hydro-power - Imperial College of Science and Technology. (1 year)	477 Regent Street, Fredericton, New Brunswick.	
WADE, N. H.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	c/o Paul R. Wade, Penniac, York Co., New Brunswick.	T-A-M-S-Int. Co., Tarbela Dam Colony, District Hazara, West Pakistan.
WARD, L. R.	Mechanical	Production engineering and economics - College of Aeronautics, Cranfield. (2 years)	1315 Amesbrooke Drive, Ottawa 5, Ontario K2C 2E8	Department of Supply & Services, 56 Lyons Street, Ottawa 4, Ontario.
1960 Group				
BREMNER, T. W.	Civil	Concrete structures and technology - Imperial College of Science and Technology. (2 years)	P.O. Jemseg, Queens County, New Brunswick	Assistant Professor, Department of Civil Engineering, University of New Brunswick, Fredericton, New Brunswick.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF NEW BRUNSWICK - continued				
1961 Group				
SMALL, B. O. S.	Civil	Civil engineering - University of Aberdeen. (1 year) British Transport Docks - Hull. (6 months)	17, Alvic Place, Saint John, New Brunswick.	Federal Department of Public Works, P.O. Box 1350, Saint John, New Brunswick.
THOMAS, R. E.	Electrical	Communications and electronics- Imperial College of Sceince and Technology (2 years)	1309, Cornell Street, Ottawa 6, Ontario.	Member of Scientific Staff, Solid State Device Development, Northern Electric Co. Ltd., R & D. Laboratories, P.O. Box 3511, Station C, Ottawa, Ontario.
1962 Group				
FELLOWS, D. M.	Electrical	Automatic Control Systems - Imperial College of Science and Technology. (2 years)	94 Topcliffe Crescent, Fredericton, New Brunswick.	Assistant Professor, Department of Computer Science, University of New Brunswick, Fredericton, New Brunswick.
TISCHUK, R. G. P.	Mechanical	Hydraulic Machinery - National Engineering Laboratory. (1 year) University of Birmingham. (1 year)	14, Waverley Road, Pointe Claire, P.Q.	Marketing Manager, Kraft Paper & Board Division, Domtar Limited, 395, De Maisonneuve Boulevard West, Montreal, P.Q.
1963 Group				
WEIR, R. D.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	294. Elmwood Street, Kingston, Ontario.	Assistant Professor, Department of Chemistry & Chemical Engineering, Royal Military College, Kingston, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF NEW BRUNSWICK - continued				
1964 Group				
MATHESON, R. G.	Civil	Concrete structures and technology - Imperial College of Science and Technology. (2 years)		Died 1968.
PARKER, P. A.	Electrical	Electrical engineering - University of St. Andrews. (2 years)	235, Church Street, Fredericton, New Brunswick.	
1965 Group				
ARMSTRONG, G. W.	Electrical	Automatic Control and Electrical Machines - University of Birmingham. (1 year) Brush Electrical Engineering Co. Ltd., Loughborough. (1 year)	24, The Links Road, Apt. 201, Willowdale, Ontario.	Systems Engineer, Data Processing-Sales and Marketing Group, International Business Machines Co. Ltd., Toronto, Ontario.
SCHUDEBOOM, P. J.	Electrical	Automatic control systems - Imperial College of Science and Technology. (2 years)		Aero Space Department, R.C.A. Victor Co. Ltd., Montreal, P.Q.
WALSH, W. N.	Electrical	Communications Systems and Information Theory - University of Birmingham. (22 months) Medical Physics - University of Edinburgh. (2 months)	Black's Harbour, New Brunswick.	Production Engineer, Connors Bros. Ltd., Black's Harbour, New Brunswick.
1966 Group				
LEWELL, P. A.	Chemical	Chemical engineering - University of Cambridge. (2 years)	477, De Monts Street, Lancaster, Saint John West, New Brunswick.	Chemical Research New Brunswick Research & Productivity Council, P.O. Box 1236, Fredericton, New Brunswick.
ROSS, G. L.	Chemical	Chemical engineering - University of Edinburgh. (2 years)	2360, Georgina Drive, Ottawa 14, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF NEW BRUNSWICK - continued				
1966 Group - continued				
WALFORD, K. D.	Chemical	Mass Transfer - University of Birmingham. (2 years)	Lakeshore Road, Como, P.Q.	
1968 Group				
MacLEAN, N. C. M.	Electrical	Control Engineering - Sussex University (1 year) Operational Research - University of Birmingham. (1 year)		Department of Operation Research, Cornell University, Upson Hall, Ithaca, New York 14850, U.S.A.
PEEBLES, D. R.	Civil	Highway Engineering - Birmingham University. (2 years)	6065, Sherbrooke St. W., Apt. 14, Montreal, P.Q.	
1969 Group				
BREEDON, S. L.	Civil	Urban & Regional Planning - University of Nottingham. (2 years)	58, Orlebar Street, Charlottetown, P.E.I.	
FIANDER, A. D.	Civil	Transportation & Traffic Planning - University of Birmingham. (1 year)		
1970 Group				
DESJARDINS, Y.	Mechanical	Fluidics - University of Surrey. (2 years)	P.O. Box 633, Great Falls, New Brunswick.	In U.K. - present address - House 368, 3rd Court Residence, University of Surrey, Guildford, Surrey
VINCENT, D. A.	(For details see entry under CARLETON)			
WILSON, R. C.	Mechanical	Petroleum Reservoir Engineering - Imperial College (1 year) British Petroleum Co. Ltd., B.P. Research Centre. (1 year)	4530, Cote des Neiges, Apt. 2101, Montreal, P.Q.	In U.K. - present address - 23 Talbot Road, Ashford, Middlesex.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE				
1952 Group				
FRANKLIN, D. H.	Civil	Structural engineering - Imperial College of Science and Technology. (1 year) Sir William Arrol & Co. Ltd., Glasgow. (6 months) Scott and Wilson, Kirkpatrick and Partners, London. (6 months)	97, Symonds Street, Dartmouth, Nova Scotia.	Director, Consulting Engineer, Whitman, Benn Engineers Ltd., 5222, Blower Street, Halifax, Nova Scotia.
WALLER, D. H.	Civil	Public Health engineering - Imperial College of Science and Technology. (1 year) Metropolitan Water Board. (6 months) Middlesex County Council. (2 months) Tame and Rea District Drainage Board, Birmingham. (1 month) Liverpool Corporation Waterworks. (1 month)	1598, Oxford Street, Halifax, Nova Scotia.	Professor, Assistant Director, Atlantic Research Institute, Nova Scotia Technical College, Halifax, Nova Scotia.
1953 Group				
MERRITT, J. H.	Mechanical	Power Plant manufacture - C. A. Parsons & Co. Ltd., Newcastle-upon-Tyne. (1 year) Thermodynamics - University of Birmingham. (1 year)		In U.K. - present address - Principal Scientific Officer, D.S.I.R., Torry Research Station, Aberdeen, Scotland.
VACHAL, J. D.	Mechanical	Aeronautical engineering - De Havilland and Co. Ltd., Hatfield (Continued studies at Hatfield Technical College). (2 years)		
1954 Group				
BUTCHER, R. S.	Mechanical	Manufacture of gas turbines - Rolls Royce Ltd., Derby. (2 years)	607, Geneva Park, Burlington, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1954 Group - continued				
ROY, A. H.	Mechanical	Mixed academic and practical experience in steam turbine technology - C. A. Parsons & Co. Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)		
1955 Group				
BENNETT, R. A.	Mechanical	Power Plant engineering and marine turbine experience - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year)	207A, Hunter Street, New Glasgow, Nova Scotia.	Eastern Car Division, Dominion Steel & Coal Corporation, Trenton, Nova Scotia.
CAMPBELL, J. E.	Civil	Advanced structures with reference to concrete and steel - Imperial College of Science and Technology. (1 year) Dorran Long (Bridge & Engineering) Ltd., London. (1 year)	P.O. Box 524, 23, Crescent Street, Stephenville, Newfoundland.	President, Campbell Engineering Ltd., P.O. Box 524, 23, Crescent Street, Stephenville, Newfoundland.
WELD, G. B.	Mechanical	Mechanical engineering, applied mechanics - The Brush Group Ltd. Loughborough. (4 months) University of Sheffield. (1 year)	1943, Bloomingdale Terrace, Halifax, Nova Scotia.	Partner, Webber, Harrington & Weld, 7071, Bayers Road, Halifax, Nova Scotia.
1956 Group				
LANE, A. D.	Mechanical	Nuclear Power - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year) University of Birmingham. (1 year)	20, Dufferin Avenue, P.O. Box 189, Pinawa, Manitoba.	Branch Head, Fuel Development Branch, Atomic Energy of Canada Ltd., Whitehall Nuclear Research Est., Pinawa, Manitoba.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1957 Group				
CAMPBELL, M. C.	Chemical	Metallurgical engineering - Imperial College of Science and Technology, Royal School of Mines. (2 years)	12, Marina Drive, Carleton Golf & Yacht Club, Box 143, RR3, Manotick, Ontario.	Manager, Masterloy Products Ltd., P.O. Box 105, Gloucester P.O., Ontario.
CHURCHILL, R. J.	Electrical	Light electrical engineering - University of Birmingham. (1 year) University of Liverpool. (1 year)	210, Jackson Avenue, Fort Collins, Colorado 80521, U.S.A.	Professor and Head of Electrical Engineering Department, Colorado State University, Fort Collins, Colorado, U.S.A.
1958 Group				
BASSO, G. L.	Mechanical	Nuclear power - Imperial College of Science and Technology. (2 years)	44, Parkridge Cres., Box 686, R.R.9, Ottawa, Ontario.	
BROWN, J. D.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)	1, Starling Street, Halifax, Nova Scotia.	Assistant Professor, Department of Civil Engineering, Nova Scotia Technical College, Halifax, Nova Scotia.
CLARKE, W. A.	Mining	Business Administration - London School of Economics. (1 year) Commonwealth Development Finance Co. Ltd. (1 year)		Underwriter, Gairdner & Co. Ltd., 320, Bay Street, Toronto, Ontario.
ROBERTS, W. G.	Electrical	Nuclear Power - Imperial College of Science and Technology. (1 year) Analogue computers - University of Manchester. (1 year)	2925, Landsdowne Road, Victoria, B.C.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE- continued				
1959 Group				
DIBBLEE, D. H. W.	Civil	Structural engineering - University of Cambridge. (1 year) Business Administration - London School of Economics. (1 year)	12, Rosemount Ave., Armdale, Nova Scotia.	Acres Atlantic Ltd., 1333, South Park Street, Halifax, Nova Scotia.
KENNEDY, P. G.	Electrical	Electronics - University of Manchester. (2 years)	1378, Hillsdale Drive, Monroeville, Penn. 15146, U.S.A.	
O'BRIEN, E. C.	Mechanical	Mechanical engineering - Metropolitan-Vickers Electrical Co. Ltd. (1 year) Business Administration - London School of Economics. (1 year)	17, Tarragone Drive, Kirkland, P.Q.	Vice President & General Manager, Thompson & Sutherland Ltd., 115, Maclean Street, New Glasgow, Nova Scotia.
SMITH, B. C.	Mechanical	Mechanical engineering - Bristol Siddeley Engines Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)	P.O. Box 758, Lunenburg, Nova Scotia.	Chief Engineer, National Sea Products Ltd., Lunenburg, Nova Scotia.
1960 Group				
CHRISTIE, F. A.	Mechanical	Research in gas turbines - National Gas Turbine Establishment. (1 year) Heat transfer - Imperial College of Science and Technology. (1 year)	3147, Rue Chambord, Ste. Foy, Quebec 10, P.Q.	DSSO 3, Rocket Motor Section, Propulsion Wing, C.A.R.D.E., P.O. Box 1427, Quebec City, P.Q.
SKINNER, D. J.	Chemical	Chemical engineering - University of Birmingham. (1 year) Cremer & Warner. (1 year)	79, Prince Albert Street, P.O. Box 1316, Kingsville, Ontario.	Production Supervisor, Du Pont of Canada Ltd., Maitland Works, Maitland, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1961 Group				
MATTHEWS, W. G.	Chemical	Chemical engineering - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)	8190, Du Mail Avenue, Ville D'Anjou, P.Q.	
PATERSON, G. H. C.	Mechanical	Automatic control mechanisms and applied dynamics - Ferranti Ltd. (1 year) University of Edinburgh. (1 year)	8, Birch Avenue, Kapusksing, Ontario.	
1962 Group				
ARCHIBALD, J. A.	Mechanical	Production engineering - W. H. A. Robertson & Co. Ltd. (1 year) Business Administration - London School of Economics. (1 year)	13167, Edison Crescent, Pierrefonds, P.Q.	Kraft Foods Ltd., Montreal, P.Q.
CLARKE, P. A.	Mechanical	Production engineering - Imperial College of Science and Technology. (1 year) British Railways. (1 year)		
MacKENZIE, J. A.	Chemical	Chemical engineering - Monsanto Chemicals Ltd. (1 year) University of Birmingham. (1 year)	112, Maywood Road, Pointe Claire, P.Q.	
WILSON, G. P.	Mechanical	Heating, Ventilating and Air Conditioning - G. N. Haden & Sons Ltd. (1 year) University of Birmingham. (1 year)	5780, Ogilvie Street, Halifax, Nova Scotia.	Assistant Director, Atlantic Industrial Research Institute, Nova Scotia Technical College, Halifax, Nova Scotia.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1963 Group				
MacKINNON, J. C.	Mechanical	Nuclear engineering - Queen Mary College, London. (2 years)	7, Forrest Road, Dartmouth, Nova Scotia.	Assistant Professor, Mechanical Engineering Dept., Nova Scotia Technical College, Halifax, Nova Scotia.
McKEOWN, D. L.	Electrical	Controls - University of Cambridge. (2 years)	7, Scarlet Road, Clayton Park, Rockingham, Nova Scotia.	Research Scientist, Bedford Institute of Oceanography, Dartmouth, Nova Scotia.
ROGERS, J. H.	Chemical	Chemical engineering - University of Birmingham. (1 year) Wiggins Teape Group Management Ltd. (1 year)	41, Farm Road, Corner Brook, Newfoundland.	Research Department, Bowater's Pulp and Paper Mills Ltd., Corner Brook, Newfoundland.
1964 Group				
FERGUSON, A. A.	Mechanical	Marine engineering - University of Newcastle-upon-Tyne. (1 year) Chales Connell & Co. (Shipbuilders) Ltd., Glasgow. (1 year)		Died 1972.
LOCKERBY, W. E.	Chemical	Advanced Chemical Engineering - (1 year) Operationa Research & Management Studies - (1 year) Imperial College of Science and Technology.	34, Beach Avenue, Deep River, Ontario.	Chemical Engineer, Heavy Water Process Development, Atomic Energy of Canada Ltd., Chalk River, Ontario.
NICKERSON, T. B.	Electrical	Communications systems - G.P.O. Research Station, Dollis Hill. (1 year) Operational Research - University of Birmingham. (1 year)	Apartment 12, 60, Gaston Road, Dartmouth, Nova Scotia.	Vice President, Nova Scotia Research Foundation, P.O. Box 1027, Halifax, Nova Scotia.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1965 Group				
DESBOROUGH, R. J.	Mechanical	Thermal Power and Process Engineering - Imperial College of Science and Technology. (1 year) Esso Refinery, Fawley. (1 year)		
O'FLAHERTY, T. G.	Mechanical	Rolls Royce Limited, Derby. (1 year) Operation Research - University of Birmingham, (1 year)	50, Summit Street, Apartment 2, Dartmouth, Nova Scotia.	Director, Operational Research Division, Nova Scotia Research Foundation, P.O. Box 1027, Halifax, Nova Scotia.
ROBERTSON, A. J.	Mechanical	Austin Motor Company Ltd., Birmingham. (1 year) Operational Research - Birmingham University. (1 year)	221, Erskine Avenue, Toronto 315, Ontario.	Operations Research Dept. Canada Packers Ltd., 95, St. Clair Avenue West, Toronto 195, Ontario.
1966 Group				
ELLIOTT, T. M. T.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)		Died 1968.
THOMPSON, T. S.	Nuclear	Nuclear Power Engineering - Queen Mary College, London. (2 years)	42, Beach Avenue, Deep River, Ontario.	Atomic Energy of Canada, Advance Engineering Branch, Chalk River, Ontario.
1967 Group				
CAMPBELL, F. R.	Metallurgy	Metallurgy - Imperial College of Science and Technology. (2 years)		Atomic Energy of Canada Ltd., Chalk River Nuclear Laboratories, Chalk River, Ontario.
HASTINGS-JAMES, R.	Electrical	Control Engineering - University of Cambridge. (2 years)	31, Spry Avenue, Spryfield, Halifax, Nova Scotia.	Assistant Professor, Department of Electrical Engineering, Nova Scotia Technical College, Halifax, Nova Scotia.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1967 Group - continued				
HIGGINS, R. E.	Industrial	Operational Research - University of Birmingham. (1 year) The City University. (1 year)	Suite 112, Villa Comox, 2020, Comox St., Vancouver 5, B.C.	British Columbia Telephone Company, Vancouver, B.C.
MATTHEWS, M. L.	Industrial	Operational Research - University of Birmingham. (1 year) Standard Telephones & Cables Ltd., Barnet. (1 year)	4879, MacKenzie St., Montreal 252, P.Q.	
1968 Group				
BURRILL, K. F.	Mechanical	Thermodynamics - Birmingham University. (1 year) Rolls-Royce Ltd., Derby. (1 year)	1484, Maple Avenue, Shawinigan, P.Q.	Project Engineer, Belgo Division, Consolidated Bathurst Ltd., Shawinigan, P.Q.
NICKERSON, J. H. D.	Mechanical	Thermodynamics - Birmingham University. (1 year) Rolls-Royce Ltd., Bristol. (1 year)	1195, Gateway Road, Ottawa, 5. Ontario.	Canadian Ingersoll Rand, Sherbrooke, P.Q.
1969 Group				
ARMSTRONG, W. M. B.	Mechanical	Applied Mechanics - Imperial College of Science & Technology. (1 year) Cambridge Consultants Ltd. (1 year)	Box 79, R.R.3, Digby, Nova Scotia.	
FAY, D. F.	Electrical	Control & Electro-Mechanical Dynamics - University of Sussex. (2 years)	10, Park Street, Sackville, New Brunswick.	In U.K. - present address - 39 Abinger Place, Lewes, Sussex.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
NOVA SCOTIA TECHNICAL COLLEGE - continued				
1969 Group - continued				
MARSHALL, W. A.	Mechanical	Operational Research - Imperial College, of Science & Technology. (1 year) Unilever Limited. (1 year)	Milford Station, Hants County, Nova Scotia.	
1970 Group				
RYAN, P. C.	Industrial	Operational Research - University of Sussex. (1 year)	1530, Oxford Street, Halifax, Nova Scotia.	
UNIVERSITY OF OTTAWA				
1959 Group				
LEMAY, L. P.	Electrical	Telecommunications - Imperial College of Science and Technology. (2 years)	2 Mackay Court, 215 Mackay Street, Ottawa, Ontario.	Vice President, I.B.M. Canada Ltd., 150, Laurier Avenue West, Ottawa, Ontario.
1962 Group				
McPHERSON, G. D. (First degree at Toronto)	Nuclear & Engineering Physics	Nuclear Engineering - Queen Mary College, London. (2 years)	95, Glendale Avenue, Box 1271, Deep River, Ontario.	Head of Heat Transfer Section, Atomic Energy of Canada Ltd., Chalk River Nuclear Laboratory, Chalk River, Ontario.
VAUCHER, J. G.	Electrical	Control engineering - University of Manchester. (2 years)		Systems Engineer, I.B.M., 5, Place Ville Marie, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF OTTAWA - continued				
1963 Group				
GUERTIN, M. B.	Electrical	Power Systems - Manchester College of Science and Technology. (2 years)	7769, Place Seully, Ville D'Anjou, P.Q.	Development Engineer, Hydro Quebec Planning Directorate, 17 Floor, Place Victoria, Montreal, P.Q.
1964 Group				
RIOPELLE, K. R.	Electrical	Information engineering - University of Birmingham. (1 year)	3169, Valmarie Avenue, Forest Wood, Mississauga, Ontario.	District Protection & Control Engineer, Ontario Hydro, Toronto, Ontario.
WALLIS, J. M.	Electrical	Information engineering - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)	Box 43, Hazeldean, Ontario.	Switching Systems Engineer, Northern Electric Research and Development Laboratories, P.O. Box 3511, Station C, Ottawa, Ontario.
1965 Group				
LOFTUS, D. S.	Electrical	Microwave Engineering - University College, London. (1 year)	996, Pinewood Crescent, Ottawa 14, Ontario.	Ph.D. Student, McGill University, Montreal, P.Q.
1967 Group				
FRIZE, Mrs. M. (Formerly Mrs. Arvisais)	Electrical	Medical Electronics - Imperial College of Science and Technology. (2 years)	3331, Marechal, Apt. 12, Montreal 250, P.Q.	Medical Engineer, Notre Dame Hospital, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF OTTAWA - continued				
1968 Group				
HAYES, E. J.	Electrical	Speech Recognition - Imperial College of Science & Technology. (2 years)	2030, Featherston Drive, Ottawa 8, Ontario.	In U.K. - present address - 21, The Broadway, Wimbledon, London S.W.19.
MORISSET, Miss L. W.	Chemical	Biochemical Engineering - University College, London. (22 months)	345 Sentinel Road, Apt. 905, Downsview, Ontario.	Tutor in Life Sciences, Evening Courses, Atkinson College, York University, Toronto, Ontario.
1970 Group				
CHARLEBOIS, R. E.	Electrical	Microelectronics - Southampton University. (13 months)	830, Augustus Street, Cornwall, Ontario.	
PARENT, M. E.	Civil	Public Health Engineering- Imperial College. (1 year) Greater London Council. (4 months) Messrs. Binnie & Partners. (8 months)	282, Crocus Avenue, Ottawa 8, Ontario.	In U.M. - present address - 147a Church Road, Barnes, London SW13 9HR.
QUEEN'S UNIVERSITY				
1951 Group				
BRECK, W. G.	Chemical	Electro-chemistry - University of Cambridge. (2 years)	162, Phillips Street, Kingston, Ontario.	Professor of Chemistry, Queen's University, Kingston, Ontario.
SINCLAIR, G. R.	Civil	Concrete structures - Imperial College of Science and Technology. (2 years)	Russel Woods, R.R. No. 1, Tecumseh, Ontario.	Chief Engineer, Dominion Steel & Coal Corporation, 1219, Walker Road, Canadian Bridge Works, Walkerville, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1951 Group - continued				
SLINGERLAND, F. W.	Mechanical	Gas turbine technology - Imperial College of Science and Technology. (2 years)	2957, Avenue de Boulogne, Quebec 10, P.Q.	Associate Professor, Department of Mechanical Engineering, Laval University, Quebec 10, P.Q.
WILLIAMS, A. J.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	1304, Dowler Avenue, Ottawa, Ontario.	Physical Metallurgy Mines Branch, Department of Energy Mines & Resources, Ottawa, Ontario.
1952 Group				
BIGHAM, C. B.	Engineering Physics	Nuclear physics - University of Liverpool. (2 years)	9, Frontenac Avenue, Deep River, Ontario.	Atomic Energy of Canada Ltd., Chalk River, Ontario.
MacMILLAN, F. A.	Engineering Physics	Aerodynamics - University of Cambridge. (2 years)	521, Lakeshore Road East, Oakville, Ontario.	Systems Manager, Electronic Associates of Canada Ltd., 4616, Yonge Street, Willowdale, Ontario.
MITCHELL, J.	Engineering Physics	Electronics and servo-mechanisms - Imperial College of Science and Technology. (1 year) Metropolitan-Vickers Electrical Co. Ltd., Manchester. (9 months)	5, Sweetwater Avenue, Bedford, Mass. 01730, U.S.A.	Sub. Dept. Head, Mitre Company, Box 208, Bedford, Mass. U.S.A.
NIKIFORUK, P. N.	Engineering Physics	Electronics - University of Manchester. (2 years)	31, Bell Crescent, Saskatoon, Saskatchewan.	Professor & Head, Department of Mechanical Engineering, University of Saskatchewan, Saskatoon, Saskatchewan.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1953 Group				
BENETEAU, P. J.	Engineering Physics	Electronics - Imperial College of Science and Technology. (10 months)	Via Alberto Mario, 8, Milan, Italy.	Director, Research and Development, Societa Generale Semiconduttori - Fairchild C.P.3651, Milano, Italia, (Would welcome meeting any ex- Fellows visiting Italy).
BROWN, R. L.	Engineering Physics	Aircraft propulsion - College of Aeronautics, Cranfield. (2 years)		
HILL, P. G.	Mechanical	Gas turbine industry - Rolls Royce Ltd., Derby. (1 year) Thermodynamics - University of Birmingham. (1 year)		Professor, Department of Mechanical Engineering, Queens University, Kingston, Ontario.
MISSSEN, R. W.	Chemical	Physical chemistry - University of Cambridge. (2 years)		Professor, Department of Chemical Engineering, University of Toronto, Toronto 181, Ontario.
OLSON, A. T.	Mechanical	Gas turbine industry - Rolls Royce Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)	Gravenhurst, Ontario.	Associate Professor, Faculty of Engineering Science, University of West Ontario, London 72, Ontario.
1954 Group				
ELLIS, J. S.	Civil	Structures and materials - University of Cambridge. (2 years)		Professor & Head, Department of Civil Engineering, Royal Military College, Kingston, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1954 Group - continued				
MacDONALD, I. J.	Mechanical	Mechanical engineering - Fraser and Chalmers in G.E.C. Group. (1 year) Thermodynamics - University of Birmingham (1 year)	7, Lakeshore Boulevard, Kingston, Ontario	Assistant Professor, Department of Mechanical Engineering, Royal Military College, Kingston, Ontario.
PIKE, J. G.	Mechanical	Construction of gas turbines - Bristol Aeroplane Co. Ltd. (1 year) Thermodynamics - University of Birmingham. (1 year)	150, MacDonnell Street, Kingston, Ontario.	Professor, Dept. of Mechanical Engineering, Royal Military College, Kingston, Ontario.
TURNER, L. R.	Chemical	Design and manufacture of heat transfer equipment, suitable for chemical plant - Foster, Wheeler Ltd., London. (2 years)		Supervising Mech. Engineer, c/o Bechtel Pacific Corp, 171, Flinders St., Melbourne, Victoria 3001, Australia.
1955 Group				
CORNEIL, E. R.	Mechanical	Servo-mechanisms - Imperial College of Science and Technology (2 years)	R.R. 7, Kingston, Ontario.	Associate Professor, Department of Mechanical Engineering. Queen's University, Kingston, Ontario.
McLELLAN, P. W.	Chemical	Chemical engineering - Oil Refining - British Petroleum Co. Ltd., Isle of Grain, Kent and Sunbury-on-Thames. (18 months) The Power Gas Corporation, Stockton-on-Tees. (6 months)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1955 Group - continued				
NORTH, H. E. T. (formerly TUISKU, H. E.)	Mechanical	Aeronautical engineering, specialising in helicopters - College of Aeronautics, Cranfield. (2 years)		Associate Professor, Chairman, School of Engineering, Lakehead University, Thunder Bay, Ontario.
1956 Group				
BROWN, J. A.	Chemical	Physical metallurgy - University of Birmingham. (2 years)	198, Forestwood Drive, Oakville, Ontario.	Cominco, Sheridan Park, Ontario.
FUNKE, E. R. R.	Electrical Communica- tions	Servo-mechanisms - Imperial College of Science and Technology (2 years)	13, Oriole Drive, Ottawa, Ontario.	Research Officer, Analysis Section, Division of Mechanical Engineering, National Research Council, Ottawa, Ontario.
HENDERSON, J.E.	Civil	Civil Engineering, Structural research - University of Birmingham. (2 years)	319, Hyman Drive, Dollard des Ormeaux, P.Q.	Construction engineer, Lachine Branch, Dominion Bridge Co. Ltd., P.O. Box 280. Montreal, P.Q.
HOWARD, J. H. G.	Mechanical	Mechanical engineering -Metropolitan- Vickers Electrical Co. Ltd., Manchester. (1 year) Thermodynamics - University of Birmingham. (1 year)	190, Lester Street, Apt. 27, Waterloo, Ontario.	Associate Professor, Department of Mechanical Engineering, University of Waterloo, Waterloo, Ontario.
SKOCZYLAS, H.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	127, Cecil Street, Sarnia, Ontario.	Process Engineer, Dow Chemicals, Sarnia, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1957 Group				
JULL, E. V.	Engineering Physics	Light electrical engineering - University College, London (2 years)	1996, Montreal Road, Ottawa 9, Ontario.	Radio and Electrical Engineering Division, National Research Council. Ottawa 2, Ontario.
MIDGLEY, P. A. S.	Electrical	Light electrical engineering - Imperial College of Science and Technology. (1 year) Aveley Electric Ltd. (1 year)	100, Broadway Ave., Ottawa 1, Ontario.	Vice-President of Sherley Controls Ltd., 30, Fifth Avenue, Ottawa 1, Ontario.
VAN DALEN, K.	Civil	Reinforced and prestressed concrete - Imperial College of Science and Technology. (2 years)		Associate Professor, Department of Civil Engineering, Queen's University, Kingston, Ontario.
1958 Group				
BARRY, A.L.	Engineering Physics	Electrical engineering - Imperial College of Science and Technology. (2 years)		
LOCKWOOD, F. C.	Mechanical	Mechanical engineering - Rootes Group, Humber Ltd. (1 year) Gas turbine technology - Imperial College of Science and Technology. (1 year)	Highland Road, London, Ontario	In U.K. - present address - Lecturer, Department of Mechanical Engineering, Imperial College of Science and Technology, London, S.W.7.
LOW, D. I. R.	Chemical	Physical chemistry - University of Cambridge. (2 years)	104, Acacia Avenue, Ottawa 2, Ontario..	Science Adviser, Science Secretariat, Privy Council, Ottawa, Ontario.
ROBERTSON, S. D.	Electrical	Electrical engineering - Imperial College of Science and Technology. (2 years)	48, Baby Point Crescent, Toronto 9, Ontario.	Associate Professor, Department of Electrical Engineering, University of Toronto, Toronto 181, Ontario.
WHITELEY, H. R.	Civil	Civil engineering - Imperial College of Science and Technology. (1 year) Messrs. Binnie & Partners. (1 year)		Assistant Professor, Hydrology, University of Guelph School of Agricultural Engineering, Guelph, Ontario

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1959 Group				
FORBES, R. S.	Mechanical	Production engineering - Alexander Pirie & Sons Ltd. (1 year) University of Birmingham. (1 year)	3541, Gallagher Drive, Mississauga, Ontario.	Director, Long Range Planning, Spruce Falls Power & Paper Company, 2, Carlton Street, Toronto, Ontario.
MASON, R. E. A.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)	26, Lacewood Crescent, Don Mills 404, Ontario.	Manager, Advanced Applications Development, IBM Canada Limited, 844 Don Mills Road, Don Mills, Ontario.
1960 Group				
BARNARD, P. R.	Civil	Structural Engineering Reserach - University of Cambridge. (2 years)		Consulting Engineer, 62, Charles Street E., Toronto 5, Ontario (Own business)
MAINE, F. W.	Chemical	Organic chemistry - University of Cambridge. (2 years)	372, Cromwell Street, Sarnia, Ontario.	Manager Research & Developement, Fibreglass, Can. Tech. Centre, Vidal St., Sarnia, Ontario.
WATT, W. E.	Civil	Hydro-power technology - Imperial College of Science and Technology. (1 year) Business administration - London School of Economics. (1 year)	41, Metcalfe Avenue, Kingston, Ontario.	Associate Professor, Department of Civil Engineering, Queens University, Kingston, Ontario.
1961 Group				
HEWITT, J. S.	Engineering Physics	Nuclear Reactor Physics - University of Birmingham. (2 years)	89, Nymark Avenue, Toronto 427, Ontario.	Assistant Professor, Department of Chemical Engineering, University of Toronto, Toronto 181, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1961 Group - continued				
RAMSAY, G. M.	Chemical	Business administration - London School of Economics. (1 year) Computer & programming in the Chemical Industry - Honeywell Controls Ltd. (1 year)	55, Cameron Crescent, Toronto 352, Ontario.	Manager, Dealer Services, Consolidated Computer Ltd., 59, Gervates Drive, Don Mills, Ontario.
SZABO, F. P.	Engineering & Nuclear Physics	Nuclear Reactor Physics - University of Birmingham. (2 years)	8. Trinity Drive, Ottawa 6, Ontario.	Defence Research Board, Ottawa, Ontario.
WOODS, D. R.	Chemical	Petro-chemicals and Plastics - The Distillers Co. Ltd. (16 months) Chemical Engineering - Unilever Ltd., Port Sunlight. (8 months)	Box 762, 141, Mill Street North, Waterdown, Ontario.	Associate Professor, Department of Chemical Engineering. McMaster University, Hamilton, Ontario.
1962 Group				
CONRADI, J.	Engineering Physics	Semi-conductors - Imperial College of Science and Technology (1 year) University of Birmingham (1 year)	449, Davignon Drive, Dollard des Ormeaux P.Q.	Member, Scientific Staff, Research & Development of Solid State Photosensors, R.C.A. Ltd., Research Laboratories, Ste. Anne de Bellevue, P.Q.
1963 Group				
OSIS, I.	Mechanical	Hydraulic controls - University of Glasgow. (2 years)	72, Churchill Boulevard, Sault Ste. Marie, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1964 Group				
EVANS, W. M.	Electrical	Information engineering - University of Birmingham. (1 year) Royal Radar Establishment, Malvern. (1 year)	P.O. Box 285, Hazeldean, Ontario.	Manager, Systems Engineering, Communications Technical Satellite Project, Department of Communications, Communications Research Centre.
PRITCHARD R. J.	Engineering Physics	Information engineering - University of Birmingham. (1 year) Digital Systems - Ferranti Limited, Hollinwood. (1 year)	2032 Glenfern Avenue, Ottawa K1J 6G8, Ontario.	Accounts Manager, Xerox Data Systems, Division of Xerox Canada Ltd., 280, Belfield Road, Rexdale 605, Ontario.
WATSON, T. W.	Metallurgical	Physical metallurgy - University of Birmingham. (2 years)	224, Perreault Street E., Rouyn, P.Q.	Product Research Centre, Cominco, Sheridan Park, Ontario.
1965 Group				
DOLBEY, M. P.	Mechanical	Controls Engineering - Manchester College of Science and Technology. (2 years)	Apt. 306, 2301 Lakeshore Blvd West, Toronto 500, Ontario.	
LAING, J. M.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year) Soil Mechanics Ltd. (1 year)	c/o 9646 Ardmore Drive, R.R.2, Sidney, B.C.	
1966 Group				
CHRISTIE, C. J.	Electrical	Automatic Control Systems - Imperial College of Science and Technology. (1 year) Industrial Engineering - The City University. (1 year)	32, Banff Road, Toronto 298, Ontario.	Management Consultant, Woods Gordon & Company, P.O. Box 253, Toronto Dominion Centre, Toronto 111, Ontario.
FULLERTON, C. I.	Electrical	Automatic Control Systems - Imperial College of Science and Technology. (3 months) Engineering in Mechanism - Imperial College of Science and Technology. (21 months)	32, Belton Boulevard, St. Catherines, Ontario.	In U.K. - present address - 18, Sunningdale, Cleveleys, Ealing, London, W.13.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1966 Group - continued				
RUTLAND, D. F.	Chemical	Advanced Chemical engineering - Imperial College of Science and Technology. (2 years)	Apartment 19, 2125 Campbell Ave., Dorval, P.Q.	Dontar Research Centre, Sennerville, P.Q.
1967 Group				
ANDERSON, I. S.	Mechanical	Machine Tool Technology - University of Birmingham. (1 year) Rolls-Royce Ltd., Derby. (1 year)	26, Brookdale Crescent, Apartment 208, Dartmouth, Nova Scotia.	
DUNFORD, F. E. F.	Industrial	Industrial Engineering - The City University. (2 years)	4a, Somerset Street, Dartmouth, Nova Scotia.	
MITCHELL, B. D.	Mechanical	Hovercraft - National Physical Laboratory, Hythe. (1 year) Transport Systems - Cranfield College of Aeronautics. (1 year)	Woodbine Road, R.R.3, Kingston, Ontario.	Department of Civil Engineering, Queens University, Kingston 30, Ontario.
STEED, G. M.	Mining Geology	Mining Geology - Imperial College of Science and Technology. (2 years)	78, Wellington Street, Kingston, Ontario.	In U.K. - present address - 53, Albermarle Road, Beckenham, Kent.
1968 Group				
BAYNE, J. P.	Electrical	Automatic Control - Manchester Institute of Science & Technology. (2 years)	1560, Bloor Street East, House 94, Mississauga, Ontario.	
GAULD, G. L.	Mathematics & Engineering	Operational Research - Imperial College of Science and Technology. (1 year) National Coal Board (1 year)	4068, Hilton Avenue, Burlington, Ontario.	
IVES, J. R.	Mechanical	Bio Engineering - Strathclyde University (1 year) Medical Research Council (3 months)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
QUEEN'S UNIVERSITY - continued				
1969 Group				
LINDSAY, W. L.	Mechanical	Turbomachinery - University of Cambridge (2 years)	4329, Montrose Avenue, Montreal 217, P.Q.	In U.K. - present address - 19 Chaucer Road, Cambridge CB3 ODS.
TAYLOR, J. S.	Civil	Operations Research - Imperial College of Science and Technology (1 year)	1487 Larchview Trail, Port Credit, Mississauga, Ontario.	
1970 Group				
BIGHAM, J. P.	Mechanical	Mechanical Engineering - Strathclyde University (1 year)	58, Dean Avenue, Guelph, Ontario.	
SHEPPARD, G. W.	Mechanical	Automation Engineering - The City University. (1 year) Unilever Limited (1 year)	399, Queen Street South, Hamilton, Ontario.	In U.K. - present address - Basement Flat, 54, Fitzjohn's Avenue, London, N.W.3.
ROYAL MILITARY COLLEGE				
1964 Group				
DVORAK, F. A.	(for details see entry under BRITISH COLUMBIA)			
PETERS, F. E.	Civil	Highway Construction - John Laing & Son Ltd. (6 months) Highway Design Research - University of Birmingham. (18 months)	304, Village on the Green, Edmonton 32, Alberta.	Reid Crowther & Partners, 10350 - 124 Street, Edmonton, Alberta.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ROYAL MILITARY COLLEGE - continued				
1965 Group				
HARRIES, J. D. S.	Engineering Physics	Nuclear Engineering - Queen Mary College, London. (2 years)	23, Park Road North, Grimsby Beach, Ontario.	In Germany, 4 Field Squadron, RCE, Fort Victoria, Werl, Westphalia, 476, Germany.
NELLESTYN, A.	Chemical	Nuclear Technology - Imperial College of Science and Technology. (2 years)		In Germany on overseas services:- 4 Field Workshop, R.C.E.M.E., Soest, W. Germany.
ROSS, J. M.	Engineering Physics	Information Engineering - University of Birmingham. (2 years)	26, Windward Avenue, Dartmouth, Nova Scotia.	Sonar Signal Processing, c/o, Defence Research Establishment, Dartmouth, Nova Scotia.
1966 Group				
CODERRE, J. J.	Production	Operational Research - University of Birmingham. (1 year) The Tavistock Institute of Human Relations. (1 year)	CFB, Wollesley Barracks, London, Ontario.	Base Construction Engineering Officer, CFB, Wollesley Barracks, London, Ontario.
COHEN, R. J.	Chemical	Nuclear Technology - Imperial College of Science and Technology. (1 year)	120, Dufferin Road, Hampstead, P.Q.	In Germany on military service.
1967 Group				
DAY, F. P. E.	Aeronautical	Aeronautics - The City University (2 years)	2176, Blossom Drive, Apartment 22, Ottawa 8, Ontario.	Aerospace Engineering Test Establishment, Uplands, Ottawa, Ontario.
McDONNELL, F. R. N.	Nuclear	Reactor Physics - University of Manchester. (2 years)	1, Laurentian Street, Deep River, Ontario.	Reactor Physics Branch, Atomic Energy of Canada Ltd., Chalk River, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ROYAL MILITARY COLLEGE - continued				
1967 Group - continued				
McPHERSON, P. A.	Industrial	Operational Research - Broom and Wade Ltd., High Wycombe. (1 year) Imperial College of Science and Technology. (1 year)	200, Tavistock, Toronto, Ontario.	
STOTT, L. B.	Chemical	Petroleum Industry - Esso Petroleum Co. Ltd., Fawley (1 year) Operational Research - Imperial College of Science and Technology (1 year)	1036, Fairview Boulevard, Windsor 16, Ontario.	
1968 Group				
HARRIS, G. P.	Engineering and Management	Operational Research-Unilever Ltd. (1 year) Operational Research - Imperial College of Science and Technology. (1 year)	38, Main Street, Picton, Ontario.	
HINDLE, T. B.	Electrical	Control Engineering - Birmingham University. (1 year)	P.O. Box 92, St. Dunstan, Lac Beauport, P.Q.	Directorate of Communications & Electronic Systems, Canadian Forces Headquarters, Ottawa, Ontario.
KING, F. K.	Chemical	Nuclear Power - Imperial College of Science and Technology. (1 year)	Officers Mess, C.F.B. Halifax, Halifax, Nova Scotia.	
LEMIEUX, G. P. J.	Mechanical	Gas Dynamics - Southampton University. (2 years)	267, Georges V, Dorval P.Q.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
ROYAL MILITARY COLLEGE - continued				
1969 Group				
BELL, D. B.	Mechanical	Gas Turbines - National Gas Turbine Establishment (6 months) BEA Engineering Base, Heathrow Apt. (6 months) Operational Research - The City University (1 year)	HMCS Protectuer, Fleet Mail Office, Halifax, Nova Scotia,	
LYE, J. W. K.	Civil	Soil Mechanics - Soil Mechanical Ltd. (1 year) Operational Research, The City University. (1 year)	2355, Whitehaven Crescent, Ottawa 14, Ontario.	4, Field Squadron, CFPO 5000, 763 LAHR, West Germany.
1970 Group				
CONVEY, J. R.	Mechanical	Automobile Engineering - Cranfield Institute of Technology. (1 year) Industrial Administration - The City University. (1 year)	9, Bayswater Place, Ottawa 3, Ontario.	In U.K. - present address - 99, Barcombe Avenue, Streatham Hill, London, S.W.2.
GARNEAU, M. J. P.	Engineering Physics	Communications - Imperial College (2 years)	2, Sqdn., Royal Military College, Kingston, Ontario.	In U.K. - present address - c/o, Department of Electrical Engineering, Imperial College, Exhibition Road, London, S.W.7.
MARTEL, A.P.S.	Management	Operational Research - University of Birmingham (1 year)	10690, Francis Street, Montreal, P.Q.	In U.K. - present address - 7, Kingston Court, Abdon Avenue, Selly Oak, Birmingham 29.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SASKATCHEWAN				
1951 Group				
COLLIN, R. E.	Engineering Physics	Electronics and Radar - Imperial College of Science and Technology. (2 years)	6198, Westerham Road, Cleveland 24, Ohio, U.S.A.	Professor of Electrical Engineering, Case Institute of Technology, Cleveland, Ohio, U.S.A.
LINK, W.T.	Engineering Physics	Nuclear physics - University of Birmingham. (2 years)		
1952 Group				
ALMOND, J.	Physics	Electronics - Imperial College of Science and Technology (2 years)	30, Okanagan Drive, Ottawa 6, Ontario.	Assistant, V. P. Engineering, Telestat-Canada-Vanier, Ottawa, Ontario.
FRASER, D. J.	Geological	Oil technology - University of Birmingham (10 months)	36, Cumberland Drive, N. West, Calgary 43, Alberta.	Vice President & Partner, Lakeshore Exploration Ltd., 4, Spruce Centre, Calgary 4, Alberta.
1953 Group				
BLACHFORD, C. W.	Electrical	Electrical engineering - English Electric Co. Ltd., Stafford. (2 years)	98, Angus Crescent, Regina, Saskatchewan.	Professor of Electrical Engineering, University of Saskatchewan, Regina Campus, Regina, Saskatchewan.
CLARK, J. C.	Agricultural	Mechanical engineering (Tractor Production) - The David Brown Companies Ltd. (2 years)	408, Pepper Drive, Burlington, Ontario.	Manager, Sales Engineering & Research, Robertson Irwin Ltd., 411, Park Avenue, N. Hamilton, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SASKATCHEWAN - continued				
1953 Group - continued				
THOMPSON, K. M.	Chemical	Chemical engineering - Imperial Chemical Industries Ltd., Billingham. (2 years)	53, Valois Bay Avenue, Pointe Claire 710, P.Q.	Manager, Economics & Planning, Pulp & Paper Research Institute of Canada, 570, St. John's Boulevard, Pointe Claire 720, P.Q.
1954 Group				
JONES, B. G.	Mechanical	Nuclear power - English Electric Co. Ltd., Rugby. (1 year) Atomic Energy Research Establishment, Harwell. (1 year)	804, E. Sunnycrest Drive, Urbana, Illinois, U.S.A. 61801.	Associate Professor, Nuclear Engineering Department, University of Illinois, Urbana, Ill., U.S.A. 61801.
WRIGHT, P. M.	Civil	Structural steel work design, fabrication and erection - Dorman Long (Bridge and Engineering) Ltd., Middlesbrough. (2 years)	446, Castlefield Avenue, Toronto 12, Ontario.	Associate Professor, Department of Civil Engineering, University of Toronto, Toronto 181, Ontario.
1955 Group				
LANGEMAN, P.	Civil	Advanced structures - Imperial College of Science and Technology (1 year) Dorman Long & Co. Ltd., Middlesbrough. (1 year)	21, Deerford Road, Don Valley Village, Willowdale, Ontario.	Project Engineer, John B. Parkin & Associates, 1500, Don Mills Road, Toronto, Ontario.
SHIELDS, D. H.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year) Scott & Wilson, Kirkpatrick & Partners, London. (1 month)	582, Driveway, Ottawa 1, Ontario.	Professor, Department of Civil Engineering, University of Ottawa, Ottawa 2, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SASKATCHEWAN - continued				
1956 Group				
MICKLEBOROUGH, B. W.	Civil	Soil mechanics - Imperial College of Science and Technology (1 year)	646, Williams Crescent, Regina, Saskatchewan.	Soils Engineer, Saskatchewan Dept. of Highways, Administration Building, Regina, Saskatchewan.
1957 Group				
JOHNSON, D. W.	Engineering Physics	Light electrical engineering - Imperial College of Science and Technology (2 years)	47 Welker Crescent, Saskatoon, Saskatchewan.	Deputy Director, Space Engineering Division, University of Saskatchewan, Saskatoon, Saskatchewan.
PLATT, W. A.	(For details see entry under ALBERTA)			
UKRAINETZ, P. R.	Mechanical	Aeronautical engineering - Bristol Aeroplane Co. Ltd. (2 years)	1064, East Centre, Saskatoon, Saskatchewan.	Associate Professor, Department of Mechanical Engineering, University of Saskatchewan, Saskatoon, Saskatchewan.
1958 Group				
CRITCHLEY, R. F.	Mechanical	Mechanical engineering - Vickers-Armstrong Ltd. (1 year)		Died 1959
TILL, C. E.	Engineering Physics	Nuclear physics - Imperial College of Science and Technology. (2 years)	650, Lenox Road, Glen Ellyn, Illinois, U.S.A.	
1959 Group				
MENELEY, D. A.	Civil	Nuclear power - Imperial College of Science and Technology. (2 years)	17, Gilbert, Clarendon Hills, Illinois, U.S.A.	Associate Physicist, Argonne National Laboratory, 9700, S. Cass Avenue, Argonne, Illinois, U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SASKATCHEWAN - continued				
1959 Group - continued				
SERDULA, K. J.	Engineering Physics	Reactor physics - University of Birmingham. (2 years)	236, Thomas Street, Deep River, Ontario.	Research Physicist, Atomic Energy of Canada Ltd., Chalk River, Ontario.
TROFIMENKOFF, F. N.	Engineering Physics	Telecommunications and electronics - Imperial College of Science and Technology. (2 years)	20, Varcourt Place, N.W., Calgary 45, Alberta.	Professor, Head of Department of Electrical Engineering, University of Calgary, Calgary, Alberta.
1960 Group				
BARBER, H. D.	Electrical	Semi-conductors - Imperial College of Science and Technology. (2 years)	77, Pleasant Avenue, Dundas, Ontario.	Supervisor, Research Development, Solid State Devices, Westinghouse, Hamilton, Ontario.
NILSON, J. A.	Engineering Physics	Electron physics - Imperial College of Science and Technology. (2 years)	2026, Grey Avenue, Montreal 260, P.Q.	Member of Scientific Staff, R.C.A. Ltd., Research Department, 1001, Lenoir Street, Montreal, P.Q.
1961 Group				
CHAPMAN, D. L. T.	Chemical	Paper Manufacture and Technology - Wiggins Teape Group Management Ltd. (1 year) University of Manchester. (1 year)	C.P. 235 Lebel-Sur-Quévillon, Abitibi Est. P.Q.	Superintendent of Development, Anti Pollution Projects Division, Domtar Newsprints Ltd., Boulevard Royale, Trois Rivières, P.Q.
HILL, H. M.	Civil	Hydraulic engineering - D.S.I.R. Hydraulic Research Station. (1 year) University of Oxford. (1 year)	57, Maplewood Place, Kitchener, Ontario.	Associate Professor, Department of Civil Engineering, University of Waterloo, Waterloo, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SASKATCHEWAN - continued				
1961 Group - continued				
KRAWCZUK, P. P.	Mechanical	Stress analysis and computer programming - University College, London. (15 months) Ferranti Ltd., London. (9 months)	Box 23, Krydor, Saskatchewan.	
1962 Group				
LANDINE, R. C.	Civil	Sanitary engineering - Metropolitan Water Board. (6 months) London County Council. (6 months) Imperial College of Science and Technology. (1 year)	405, Woodbridge Street, Fredericton, New Brunswick.	Assistant Professor, Environmental Engineering, Department of Civil Engineering, University of New Brunswick, Fredericton, New Brunswick.
MARTIN, R. G.	Chemical	Process design - Foster Wheeler Ltd. (1 year) University of Birmingham. (1 year)	5016, Malmo Road, Edmonton 70, Alberta.	Chemcell Limited, Edmonton, Alberta.
1963 Group				
GILCHRIST, H. G.	Civil	Hydraulics - D.S.I.R. Hydraulics Research Station, Wallingford. (1 year) Imperial College of Science and Technology. (1 year)		
LONGSTAFF, W. J.	Petroleum	Petroleum engineering - Imperial College of Science and Technology. (1 year)	2627, Marilee Lane, No. 6, Houston, Texas, 77027, U.S.A.	Senior Reservoir Engineer, Shell Development Company, Houston, Texas, U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SASKATCHEWAN - continued				
1964 Group				
APLEVICH, J. D.	Electrical	Communications and information transmission - Imperial College of Science and Technology. (2 years)		Assistant Professor, Department of Electrical Engineering, University of Waterloo, Waterloo, Ontario.
SYER, C. B.	Electrical	Electrical machines and automatic controls University of Birmingham. (1 year)	3221, Vercheres Street, S.W. Calgary, 6, Alberta.	Computer Consultant, International Petrodata Inc., 505-5th Avenue S.W., Calgary, Alberta.
1965 Group				
CRAM, W. W.	Chemical	Operational Research and Management Studies - Imperial College of Science and Technology. (1 year)		Manager, Product Marketing, Chemcell Ltd., 800, Dorchester Blvd. West, Montreal 101, P.Q.
GODARD, K. E.	Chemical	Chemical Engineering - University College, Swansea. (2 years)	Box 504, Fox Creek, Alberta.	Senior Engineer, The Chevron Standard Co. Ltd., 400, 5th Street S.W., Calgary 7, Alberta.
KERR, R. B.	Chemical	Automatic Control - Manchester College of Science and Technology. (2 years)	305-12411, Lansdowne Drive, Edmonton, Alberta.	
PAULS, L. R.	Civil	Structural Concrete - University of Southampton. (2 years)	673, Lilac Avenue, Kamloops, B.C.	Head, Structural Engineering Division, Strong, Lamb & Nelson Ltd., 180, Seymour Street, Kamloops, B.C.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SASKATCHEWAN - continued				
1966 Group				
CLIFTON, A. W.	Civil	Soil Mechanics - Imperial College of Science and Technology. (1 year)	210-4415, Rae Street, Regina, Saskatchewan.	
1967 Group				
HEINRICHS, E. R.	Mechanical	Business Administration - University of Strathclyde. (1 year)		Professional Building, Nu West Homes Limited, 203-141 Victoria Street, Kamloops, B.C.
JACKSON, R. V.	Electrical	Computer Science - Birbeck College, London (2 years)	Apt. 221, 1616 8th Avenue N.W., Calgary 42, Alberta.	
LOWRY, R. T.	Electrical	Communications and Electronics - Imperial College of Science and Technology. (2 years)	Box 485, Kindersly, Saskatchewan.	c/o, Defence Research Establishment, Shirley Bay, Ottawa, Ontario.
LUHNING, R. W.	Chemical	Chemical Engineering - Imperial College of Science and Technology. (2 years)	Box 153, Lumsden, Saskatchewan.	
1968 Group				
SKAFEL, M. G.	Mechanical	Fluid Dynamics - University of Cambridge. (2 years)	525 14th Street, Brandon, Manitoba.	In U.K. - present address - 6 Gaddum Road, Didsbury, Manchester M20 0S2.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SASKATCHEWAN - continued				
1969 Group				
STOJAK, P. F.	Engineering Science	Control Engineering - University of Cambridge. (2 years)	3118, Assiniboine Avenue, Regina, Saskatchewan.	In U.K. - present address - Flat 35, Churchill College, Cambridge CB3 ODS.
WILSON, W. J.	Control Engineering	Control Engineering - University of Cambridge. (2 years)	2106, St. Cecelia Avenue, Saskatoon, Saskatchewan.	In U.K. - present address - Flat 23, Churchill College, Cambridge CB3 ODS.
1970 Group				
SMALL, E. M.	Mechanical	Royal Aircraft Establishment, Bedford. (1 year)	1632 - 99th Street, North Battleford, Saskatchewan.	
VASSIE, G. S.	Chemical	Chemical Engineering - Exeter University. (1 year)	11-402, Central Avenue, Saskatoon, Saskatchewan.	
UNIVERSITY OF SHERBROOKE				
1959 Group				
LUNEAU, J. D. G.	Electrical	Electronics - Imperial College of Science and Technology. (1 year) Business Administration - London School of Economics (1 year)	220, Place Vanier, Trois Rivieres, P.Q.	Manager, Organisation & Methods, Mauricie Region, Hydro Quebec, 75 West Dorchester Boulevard, Montreal, P.Q.
1960 Group				
GRATTON, P. M.	Electrical	Automatic control systems - Imperial College of Science and Technology. (1 year) Business Administration - London School of Economics (1 year)		Date Processing Division, International Business Machines Co. Ltd., 1123, Beaver Hall Hill, Montreal, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF SHERBROOKE - continued				
1961 Group				
HEBERT, H. J.	Civil	Concrete Structures and Technology - Imperial College of Science and Technology. (2 years)		Consulting Engineer, 826 Belvedere South, Sherbrooke, P.Q.
1962 Group				
VIGNEUX, B.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) Business Administration - London School of Economics. (1 year)		Head of Planning and Studies Department, Miron Co. Ltd., 2201 Jarry E., Montreal, P.Q.
1964 Group				
MORIN, J. A. N.	Civil	Structural engineering - Imperial College of Science and Technology. (2 years)	162 14th Avenue, Drummondville, P.Q.	Graduate Student, Massachusetts, Institute of Technology, Cambridge, Massachusetts, 02139, U.S.A.
1965 Group				
DAIGNEAULT, P. A.	Mechanical	Thermodynamics and Related Studies - University of Birmingham. (1 year) Bristol Siddeley Engines Ltd. Filton, Bristol. (1 year)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
SIR GEORGE WILLIAMS UNIVERSITY				
1968 Group				
LaRIVIERE, H. J. A.	Electrical	Microwaves-University College, London. (2 years)	341, Alexandra Avenue, St. Lambert, P.Q.	Un U.K. - present address - 132 Hydethorpe Road, Balham, London S.W.12 OJD.
1969 Group				
BELLETRUTTI, J. J.	Mechanical	Control Systems - Manchester Institute of Science and Technology. (2 years)	8002, Rousselot Street, Montreal 35, P.Q.	In U.K. - present address - 55, Clyde Road West, Didsbury, Manchester 20.
NOVAK, L. R.	Electrical	Engineering Management - The City University. (1 year)	812, King Street West, Apartment 205. Kings Towers, Kitchener, Ontario.	Research Assistant, University of Waterloo, Waterloo, Ontario
1970 Group				
BARNETT, A. B.	Electrical	Operational Research - University of Birmingham. (1 year) Systems Dynamics - University of Bradford. (1 year)	11375, Pasteur Street, Montreal 365, P.Q.	In U.K. - present address - 62 Garden Field, Wyke, Bradford, Yorkshire.
HASAN, S. M. J.	Electrical	Communication Engineering - University of Birmingham. (2 years)	Apt. 501, 1225, St. Marc Street, Montreal 108, P.Q.	In U.K. - present address - Flat 5, Room 131, Lucas House, Pritchatts Road, Birmingham 15
KONTAKOS, V.	Mechanical	Control Systems - University of Manchester, Institute of Science and Technology. (2 years)	Apt. 3, 5394, Park Avenue, Montreal 152, P.Q.	In U.K. - present address - 3, The Beeches, West Didsbury, Manchester 20.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO				
1951 Group				
ARMOUR, J. M.	Production	Production engineering and business administration - Brockhouse Engineering (Southport) Ltd., Southport. (1 year) London School of Economics. (1 year)	19, Rathnelly, Toronto 7, Ontario.	Urwick Currie & Partners Limited, 120, Adelaide Street West, Toronto 1, Ontario.
FIRSTBROOK, W. A.	Metallurgy	Metallurgy of iron and steel, and business administration - Royal Technical College, Glasgow. (1 year) London School of Economics. (1 year)		Head, Architectural Section, Market Development Department, International Nickel Co. Inc., 67, Wall Street, New York 5, U.S.A.
KOSKI, J. T.	Electrical	Servo-mechanism and remote control - Imperial College of Science and Technology. (1 year)	540, Loach's Road, Sudbury, Ontario.	President, Cambrian College, 261, Notre Dame Avenue, Sudbury, Ontario.
LEAIST, G. T.	Chemical	Rubber technology and business administration - National College of Rubber Technology, London. (1 year) London School of Economics. (1 year)	1837, Beattie Avenue, Ottawa 8, Ontario.	Assistant Research Officer, Engineering Division, Atomic Energy of Canada Ltd., Chalk River, Ontario.
LEIGH, D. C.	Engineering Physics	Computer techniques - University of Cambridge. (2 years)	1212, Eldemere Road, Lexington, Ky. 40502, U.S.A.	Professor, Chairmain, Department of Engineering Mechanics, University of Kentucky, Lexington, Ky. 40506, U.S.A.
MacDONALD, D. H.	Civil	Soil Mechanics and geology - structural and hydraulic engineering - Imperial College of Science and Technology. (2 years)	Niagara River Parkway, R.R.1., Niagara-on-the-Lake, Ontario.	President & Director of H. H. Acres & Co. Ltd., 1259, Dorchester Road, Niagara Falls, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1951 Group continued				
MATTHEWS, J. N.	Mechanical	The Machine Tool Industry - H. W. Ward & Co. Ltd., Birmingham. (6 months) Churchill Machine Tool Co. Ltd., Manchester. (6 months) George Richards & Co. Ltd. Broadheath. (2 months) Kendall & Gent Ltd. Manchester. (1 month) John Lang & Co. Ltd., Johnstone, Scotland. (1 month) Willian Asquith & Co., Halifax. (1 month) Production Engineering Research Association, Melton Mowbray. (9 months)	1846, Stonepath Crescent, Cooksville, Ontario.	Staff Engineer, New Construction, Ontario Research Foundation, 43, Queen's Park Crescent, Toronto 5, Ontario.
MOFFAT, T. L.	Mechanical	The Automobile Industry - The Rootes Group. (2 years)	16, Madill Street, Weston, Ontario.	Supervisor of Administration, Distribution Centre, Canadian Kodak Co. Ltd., 3500, Eglinton W., Toronto 15, Ontario.
PRIOR, B. W.	Engineering Physics	Gas turbine technology - National Gas Turbine Establishment, Payestock. (2 years)		
STEPHENSON, D. G.	Engineering Physics	Gas dynamics and aerodynamics - Imperial College of Science and Technology. (2 years)	25, Crownhill Road, Cardinal Heights, Ottawa, Ontario.	
1952 Group				
ADAMS, E. J.	Mechanical	Mechanical engineering - English Electric Co. Ltd., Rugby. (2 years)	1042, Oriole Drive, Peterborough, Ontario.	Canadian General Electric, Peterborough, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1952 Group - continued				
CHURCH, P. B.	Aeronautical	Aircraft construction - Fairey Aviation Co. Ltd., Hayes. (2 years)	417, Thessaly Circle, Ottawa 8, Ontario.	Industrial Dev. Officer, Aerospace Branch, Department of Industry, Ottawa, Ontario.
CROSS, D. H. E.	Physics	Gas turbine technology - Imperial College of Science and Technology. (1 year) Rollys-Royce Ltd., Derby. (1 year)	1097, Cameo Drive, Ottawa 5, Ontario.	Industrial Innovations Evaluation, Divisional Office of Science & Technology, DITC, Ottawa, Ontario.
DODD, W. B.	Mechanical	Fabrication and production - British Thomson-Houston Co. Ltd., Rugby. (2 years)	23, Campbell Avenue, Montreal West 28, P.Q.	Standards Engineer, Dominion Engineering Works Ltd., P.O. Box 220, Lachine Montreal 32, P.Q.
RAYNER, W. M.	Mechanical	Manufacturing methods and processes - Metropolitan-Vickers Electrical Co. Ltd. Manchester. (21 months)	1163, Sherwood Court, Oakville, Ontario.	Co-ordinator of Graduate Training, Canadian Westinghouse Co. Ltd., Hamilton, Ontario.
136 WRIGHT, G. D. T.	Civil	Plastic analysis and design of structures - University of Cambridge. (2 years)	6b, Wychwood Park, Toronto 4, Ontario.	Committee on University Affairs, 481, University Avenue, Toronto 2, Ontario.
1953 Group				
DeLORY, F. A. (First degree at McGill)	Civil	Soil mechanics and concrete technology - Imperial College of Science and Technology. (2 years)		Professor, Department of Civil Engineering, University of Toronto, Toronto 181, Ontario.
DOOLEY, J. E.	Mechanical	Mechanical engineering - Metropolitan Vickers Electrical Co. Ltd. Manchester. (1 year) D. Napier & Sons, Acton. (1 year)	217, Glen Road, Toronto 287, Ontario.	Associate Professor, School of Business Administration, University of Toronto, Toronto 181, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1953 Group - continued				
FEE, E. W.	Mechanical	Nuclear power - English Electric Co. Ltd., Rugby and Atomic Energy Research Establishment, Harwell. (2 years)		Design Engineer, Atomic Energy of Canada Ltd., Box 905, Toronto 18, Ontario.
LAUBITZ, M. J.	Engineering Physics	Applied physics - University of Cambridge. (2 years)	654, Otterson Court, Ottawa, Ontario.	Senior Research Officer, Division Physics, N.R.C., Montreal Road, Ottawa, Ontario.
MOLOZZI, A. R.	Engineering Physics	Electronics - Imperial College of Science and Technology. (2 years)	82, Stinson Avenue, Ottawa 6, Ontario.	Technical Project Officer, Defence Research Board, D.R.T.E. Shirley Bay, Ottawa 4, Ontario.
NEILL, M T.	Mechanical	Mechanical Engineering with special reference to gas turbine locomotives - Metropolitan-Vickers Electrical Co. Ltd., Manchester. (1 year 7 months) Poole and Associates, Marple Bridge. (5 months)	5, Maple Street, Kenogami, P.Q.	
WOOD, J. K.	Chemical	Mechanical engineering and instrumental control - College of Technology, Manchester. (1 year) Imperial Chemical Industries Ltd. (1 year)	281, Richelieu St. South, St. Hilaire, P.Q.	Research Engineer, Explosives Division, Canadian Industries Ltd., McMasterville, P.Q.
1954 Group				
BATE, D. L. S.	Engineering Physics	Nuclear power - C. A. Parsons & Co. Ltd., Newcastle and A. Reyrolle & Co. Ltd., Hebburn, Co. Durham. (2 years)	1485, Truscott Drive, Clarkson, Ontario.	Manager of Project Services Division, Power Projects, Atomic Energy of Canada Ltd., Sheridan Park, Ontario.
BRYCE, W. W.	Aeronautical	Aerodynamics - College of Aeronautics, Cranfield. (2 years)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1954 Group - continued				
DOWLING, P. J.	Civil	Soil mechanics - Imperial College of Science and Technology. (1 year 3 months)	10248, Connaught Drive, Edmonton, Alberta.	Vice President and Director, Franki Candda Ltd., 9810-60 Avenue, Edmonton 82. Alberta.
PETTIGREW, H. C.	Engineering Physics	Electronics and Remote controls - Imperial College of Science and Technology. (2 years)	45, Leeming Drive, Ottawa 14. Ontario.	Electronic Circuit Development, Research and Development Laboratories, Northern Electric Company, Ottawa, Ontario.
RHODES, R. T.	Mechanical	Works experience in light engineering quantity production - The Rootes Group, Coventry, Luton, Maidstone and London. (2 years)	176, Maple Court Crescent S.E., Calgary 30, Alberta.	Industrial Sales Co-ordinator, Canadian Industrial Gas & Oil Ltd., 640 - 8th Avenue S.W., Calgary, Alberta.
SHAW, D. S.	Mechanical	Production techniques and management - General Electric Co. Ltd., Witton. (1 year) University of Birmingham. (1 year)	505, Robinson Street, Walkerton, Ontario.	Canada Spool & Bobbin Co. Ltd., Walkerton, Ontario.
1955 Group				
BURKE, P. D.	Electrical	Telecommunications - Standard Telephones and Cables Ltd., Woolwich & Woolwich Polytechnic. (2 years)		Telecommunications Engineer, Canadian National Telecommunications, Toronto, Ontario.
FRENCH, J. B.	Chemical	Aircraft gasdynamics & thermodynamics - National Gas Turbine Establishment, Farnborough. (1 year) University of Birmingham. (1 year)		Professor, Institute for Aerospace Studies, University of Toronto, Toronto 181, Ontario.
HAM, R. K.	Engineering Physics	Physical metallurgy - University of Birmingham. (2 years)		Died 1970

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1955 Group - continued				
HANSON, J. V.	Electrical	Electronics - Imperial College of Science and Technology. (2 years)	59, George Street, Waterloo, Ontario.	Assistant Professor, Department of Electrical Engineering, University of Waterloo, Waterloo, Ontario.
HARRIS, S. G.	Metallurgy	Metallurgy - University of Birmingham. (2 years)		Commercial Secretary, Canadian Embassy, Akasaka P.O., Tokyo, Japan.
LOWE, D. C.	Mechanical	Production engineering - Vauxhall Motors Ltd. (1 year) University of Birmingham. (1 year)	7, Carre des Bois, St. Therese, P.Q.	Plant Manager, Passengers Assembly Plant, General Motors of Canada, St. Therese West, P.Q.
SIMPSON, R. W.	Aeronautical	Aircraft design and propulsion - College of Aeronautics, Cranfield. (2 years)		Assistant Professor, Dept. of Aeronautics and Astronautics, Mass. Institute of Technology, Cambridge, Mass. 02139, U.S.A.
1956 Group				
ARMSTRONG, M. J.	Mechanical	Industrial engineering - The Brush Group Ltd. (1 year) University of Birmingham. (1 year)	3162, Hall Street S.E., Grand Rapids, Michigan 49506, U.S.A.	Manager of Product Engineering, Steelcase Inc., Grand Rapids, Michigan 49501, U.S.A.
CRAWFORD, G. A.	Metallurgy	Extractive metallurgy - Imperial College of Science and Technology. (2 years)	427, Castlefield Avenue, Toronto 12, Ontario.	Patent Engineer, Falconbridge Nickel Mines Ltd., Thornhill, Ontario.
HARRISON, M. A.	Engineering Physics	Business Administration - London School of Economics. (1 year) Production planning - Elliott Bros. London. (1 year)	1702, Ruscombe Close, Mississauga, Ontario.	Vice-President Broadcasting, Southam Press Ltd., 321, Bloor Street East, Toronto 5, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1956 Group - continued				
MORGENSTERN, N.	Civil	Soil mechanics - Imperial College of Science and Technology. (2 years)		Professor, Department of Civil Engineering, University of Alberta, Edmonton, Alberta.
NETTLETON, T. R.	Aeronautical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)	61, Belgrave Avenue, Toronto 12, Ontario.	
SWANSON, S. R.	Aeronautical	Aeronautical engineering (Aircraft Design) - College of Aeronautics, Cranfield. (2 years)	17500 West Highway 101. Waygate, Minn. 55391, U.S.A.	M.T.S. Systems Corporation, Minn., U. S. A.
WALLACE, R. R.	Civil	Concrete technology - Imperial College of Science and Technology. (1 year) E. J. Cook & Co. (4 months)	213, Glenview Avenue, Toronto 12, Ontario.	
WILENIUS, G. P. T.	Mechanical	Nuclear power - Imperial College of Science and Technology. (2 years)		Vice President, Marketing Computing Devices of Canada Ltd., P.O. Box 508, Ottawa, Ontario.
1957 Group				
BROWN, L. M.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	2496, Chilver Road, Windsor, Ontario.	In U.K. - present address - University Lecturer in Physics, Caius College, Cambridge.
FOULDS, J. G.	Electrical	Electrical machinery control systems - Imperial College of Science and Technology. (2 years)		Systems Engineer, Apparatus Marketing, Canadian General Electric Co. Ltd., 214 King Street W., Toronto 1, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1957 Group - continued				
KING, G. F.	Chemical	Chemical engineering - Imperial Chemical Industries Limited. (1 year) University of Birmingham. (1 year)	217, Bath Road, Apt. 411, Kingston, Ontario.	Research Engineer, Canadian Industries Ltd., Milhaven, Ontario.
McLEAN, D. J.	Engineering Physics	Light electrical engineering - Imperial College of Science and Technology. (2 years)	1125, Chartwell Crescent, West Vancouver, B.C.	Manager, Western Region, Field System Centre, I.B.M. Canada Ltd., 1445 West Georgia St., Vancouver 5, B. C.
REYNOLDS, A. J.	Aeronautical	Aeronautics - Imperial College of Science and Technology. (2 years)	546, Pine Avenue West, Montreal 18, P.Q.	In U.K. - present address - Reader, Mechanical Engineering, Brunel University, Hillingdon, Middlesex.
1958 Group				
BODROGHY, B. G.	Mechanical	Nuclear power - Imperial College of Science and Technology. (1 year) 'Engineering' (1 year)		In U.K. - present address - Director Consultancy, Peter Ward Associates Ltd. London House, Dingwell Avenue, Croydon CRO 2AA.
ELLIS, J. B.	Electrical	Electrical engineering - Imperial College of Science and Technology. (2 years)		
HARDWICK, J. D.	Civil	Fluid mechanics and hydraulics - Imperial College of Science and Technology. (2 years)	183, Westdale Road, Oakville, Ontario.	In U.K. - present address - Lecturer, Department of Civil Engineering, Imperial College of Science & Technology, Exhibition Road, London, S.W.7.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1958 Group - continued				
LONCAREVIC, B. D.	Engineering Physics	Geophysics - University of Cambridge (2 years)	106, Newcastle Street, Apt. 6, Dartmouth, Nova Scotia.	Assistant Director, Atlantic, Oceanographic Laboratory, Dartmouth, Nova Scotia.
MATTHEWS, A. E. P.	Mechanical	Mechanical engineering - Northern Aluminium Co. Ltd. (1 year) Business Administration - London School of Economics. (1 year)	5725, Woodwind Drive, Birmingham, Michigan 48010, U.S.A.	Asst. Manager, Product & Pricing Dept., Ford Motor Co., American Road, Dearborn, Mich., U.S.A.
MERKLINGER, K. J.	Electrical	Electrical engineering - Imperial College of Science and Technology. (1 year) University of Cambridge. (1 year)	14, Arundel Avenue, Ottawa 7, Ontario.	Foreign Service Officer, Department of External Affairs, Ottawa, Ontario.
SEAGRAM, N. M.	Mechanical	Mechanical engineering - Rootes Group, Humber Ltd. (1 year) Production engineering - University of Birmingham. (1 year)	4343 Westmount Avenue, Westmount, Montreal 6, P.Q.	Director of Planning, Molson Breweries of Canada Ltd., P.O. Box 1600, Place d'Ames, Montreal, P.Q.
1959 Group				
BONAR, L. G.	Metallurgy	Metallurgy - University of Cambridge. (2 years)	72, Admiral Road, Toronto, Ontario.	Product Planning Coordinator, Marketing Division, Falconbridge Nickel Mines Ltd., 7, King Street East, Toronto, Ontario.
LALLY, J. S.	Engineering Physics	Metallurgy - University of Cambridge (2 years)		Scientist, U.S. Steel, Research Centre, Monroeville, Pennsylvania 15146, U.S.A.
SAINSBURY, J. D.	Mechanical	Reactor physics - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)	223, Westdale Avenue, Oakville, Ontario.	Atomic Energy of Canada Ltd., Cooksville, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1959 Group - continued				
STEWART, J. M.	Chemical	Chemical engineering - Imperial College of Science and Technology. (2 years)		Tech. Manager, Du Pont of Canada Ltd., Maitland Works, Maitland, Ontario.
TOPPER, T. H.	Civil	Structural engineering - University of Cambridge. (2 years)	90, Maplewood Place, Kitchener, Ontario.	Professor, Department of Civil Engineering, University of Waterloo, Waterloo, Ontario.
1960 Group				
CHISHOLM, S. H.	Electrical	Research in micro-waves - University College, London. (2 years)	37, Robinhood Drive, Dundas, Ontario.	Assistant Professor, Department of Electrical Engineering, McMaster University, Hamilton, Ontario.
COLLINS, F. E.	Industrial	Operational research - University of Birmingham. (1 year) Business Administration - London School of Economics. (1 year)	248, Elgar Park, Apt. 312, Montreal 201, P.Q.	Manager, Management Sciences Div., Kates, Peat Marwick & Co., 1155, Dorchester Blvd. West, Montreal 2, P.Q.
ROSS, R. B. L.	Engineering Physics	Production engineering - I.B.M. United Kingdom Ltd. (1 year) Operational research - University of Birmingham. (1 year)	404 Grenfell Avenue, Town of Mount Royale, P.Q.	
TABOREK, R. J.	Engineering Physics	Aeronautics - Imperial College of Science and Technology. (2 years)	14 Rutherford Crescent, Box 116, Kanate, Ontario.	Strategic Planner, Northern Transport & Contingency Planning, Ministry of Transport, Place de Ville, Ottawa, Ontario.
WOODSIDE, C. M.	Engineering Physics	Control systems - University of Cambridge. (2 years)	121, Southern Drive, Ottawa 1, Ontario.	National Research Council, Ottawa, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1961 Group				
DAVISON, E.J.A.	Engineering Physics	Control systems - University of Cambridge. (2 years)	92, Chartland Boulevard S., Agincourt Boulevard, Toronto, Ontario.	Associate Professor, Department of Electrical Engineering, University of Toronto, Toronto 181, Ontario.
EARNSHAW, J. W.	Engineering Physics	Electronics - University of Cambridge. (2 years)	564, Homewood Avenue, Peterborough, Ontario.	Assistant Professor, Department of Physics, Trent University, Peterborough, Ontario.
FLETT, J. H.	Civil	Concrete structures and technology - Imperial College of Science and Technology. (1 year) Business Administration - London School of Economics. (1 year)	63, Leisure Lane, Richmond Hill, Ontario.	General Construction Manager, Ruliff Grass Construction Ltd., P.O. Box 550, Thornhill, Ontario.
JONES, D. R. M.	Engineering Physics	Chemical engineering -Fluid mechanics - University of Cambridge. (2 years)		
RODEN, R. B.	Engineering Physics and Geophysics	Seismology - University of Cambridge. (2 years)	1215 Ramsey View Court, Sudbury, Ontario.	Chairman, Department of Mathematics & Physics, Cambrian College of Applied Arts & Technology, 261 Notre Dame Avenue, Sudbury, Ontario.
TYSON, W. R.	Engineering Physics	Metallurgy - University of Cambridge. (2 years)		Assistant Professor, Department of Physics, Trent University, Peterborough, Ontario.
1962 Group				
BRAGG, G. M.	Mechanical	Hydromechanics - University of Cambridge. (2 years)		Associate Professor, Department of Mechanical Engineering, University of Waterloo, Waterloo, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1962 Group - continued				
CHAPMAN, C. B.	Industrial	Operational Research - Ferranti Ltd. (1 year) University of Birmingham. (1 year)	168, Dawlish Avenue, Toronto 12, Ontario.	In U.K. - present address - Lecturer, Department of Econometrics, University of Southampton, Southampton, SO9 5NH.
McPHERSON, G. D.	(For details see entry under OTTAWA)			
STEE, C. R.	Mechanical	Applied Mechanics - Imperial College of Science and Technology. (2 years)	200, Boulevard des Etudiants, Apt. 4, Tracy, P.Q.	Beliot Sorel Ltd., Sorel, P.Q.
1963 Group				
LUSIS, M. A.	Chemical	Mass transfer - University of Cambridge. (2 years)	c/o 5, Valleymede Road, Toronto, Ontario.	Research Associate, McGill University, Montreal, P.Q.
RILEY, V. R.	Civil	Laminated structures - University of Cambridge. (2 years)	Apt. 21, 345 The East Mall, Toronto, Ontario.	Assistant Professor, Department of Civil Engineering, University of Toronto, Toronto 181, Ontario.
SZANDTNER, T. A. B.	Engineering Physics	Operational Research - University of Birmingham. (1 year) International Computers & Tubulators Ltd. (1 year)	32, Banff Road, Toronto 7, Ontario.	Consultant, Woods, Gordon & Co., 15, Wellington Street W., Toronto 1, Ontario.
TIMUSK, J.	Civil	Concrete technology - Queen Mary College, London. (2 years)	506, St. Clements Avenue, Toronto 12, Ontario.	Associate Professor, Department of Civil Engineering, University of Toronto, Toronto 181, Ontario.
YOUNG, R. J.	Chemical	Computer techniques - Imperial College of Science and Technology. (2 years)		c/o Shell Oil Co., P.O. Box 100, Deer Park, Texas 77536, U.S.A.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1964 Group				
GLADNEY, T. A.	Industrial	Operational Research - Unilever Ltd., London. (2 years)	36, Bearbury Drive, Etobicoke, Ontario.	The T. Eaton Company Limited, 190, Yonge Street, Toronto 1, Ontario.
PEKAU, O. A.	Civil	Structural engineering - Imperial College of Science and Technology. (1 year)	9, Rusholme Drive, Toronto 3, Ontario.	Morrison, Hershfield, Hillman and Huggins Ltd., 980, Yonge Street, Toronto, Ontario.
ROWE, I. H.	Engineering Physics	Automatic controls - Imperial College of Science and Technology. (2 years)	27, Corning Road, Willowdale, Ontario.	Associate Chairman, Division of Engineering Science, University of Toronto, Toronto 181, Ontario.
1965 Group				
CASSON, P. E.	Industrial	Operational Research - University of Birmingham. (1 year) Organisation Division - Unilever Limited, London. (1 year)	5, Vernham Avenue, Willowdale, Ontario.	
HOSANG, G. W.	Mechanical	Bearings-Design, Lubrication, Friction and Wear - University of Leeds. (1 year)		
JEFFERSON, D. O.	Industrial	International Computers and Tabulators Limited, London. (1 year) Operational Research - University of Birmingham. (1 year)	98, Otter Crescent, Toronto 12, Ontario.	In U.K. - present address - 20, Dubrae Close, Verulam Estate, St. Albans, Herts.
JORDON, E. A.	Electrical	Westinghouse Brake and Signal Company Limited, London. (1 year)	48, Woodland Park Road, Scarborough, Ontario.	
MORRIS, L. R.	Electrical	Communications and Electronics - Imperial College of Science and Technology. (2 years)	840 Springland Drive, Apartment 413, Ottawa, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1965 Group - continued				
SEFTON, D. J.	Civil	Structural Engineering - Imperial College of Science and Technology. (1 year) W. S. Atkins and Partners, Epsom. (1 year)	19, Michael Drive, Willowdale, Ontario.	Project Manager, Caoillac Development Corporation Ltd, 2171, Avenue Road, Toronto, Ontario.
1966 Group				
HIGGINS, J. P. J.	Chemical	High pressure Polymerization - Imperial College of Science and Technology. (2 years)		Imperial Oil Limited, Sarnia, Ontario.
HYNDMAN, B. W.	Electrical	Engineering in Medicine - Imperial College of Science and Technology. (2 years)	1991, Brunswick Street, Apartment 619, Halifax, Nova Scotia.	Assistant Professor, Department of Biophysics, Dalhousie University, Halifax, Nova Scotia.
MACDONALD, J. D.	Chemical	Chemical Engineering - University College, Swansea. (15 months)	633, Couves Crescent, Greenfield Park, P.Q.	Shell Canada Limited, Montreal, P.Q.
MONRO, D. M.	Electrical	Engineering in Medicine - Imperial College of Science and Technology. (2 years)	166, Carlton Street, Apt. 509. Toronto 5, Ontario.	In U.K. - present address - Falmouth Hall, Princes Gardens, London, S.W.7.
1967 Group				
BIRO, G. M.	Industrial	Industrial Marketing - The City University (2 years)	35, Raglan Avenue, Toronto 10, Ontario.	
CHAPELLE, M. A.	Electrical	Operational Research - The City University (1 year)	4, Goldfinch Crescent, Apartment 1102. Willowdale, Ontario.	I.B.M. Canada Ltd., P.O. Box 15, Toronto Dominion Centre, Toronto 111, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued				
1967 Group - continued				
CICCI, F.	Aeronautical	Structural Sonic Fatigue - University of Southampton, Institute of Sound and Vibration Research. (2 years)	66, Haven Road, Toronto 395, Ontario.	Staff Specialist in Structural Research & Noise, De Havilland Aircraft of Canada Ltd., Downsview, Ontario.
TAYLOR, D. A.	Civil	Structural Engineering - University of Cambridge. (2 years)	12, Graham Avenue, Guelph, Ontario.	
1968 Group				
BEATTIE, J. D.	Electrical	Man-Machine Communication - Essex University. (2 years)	167, Hillhurst Blvd., Toronto 12, Ontario.	In U.K. - present address - 18, East Stockwell St., Colchester, Essex.
BRENNEMAN, R. A.	Chemical	Automatic Control - Manchester Institute of Science and Technology. (2 years)	Apt. 608, 840 Trillium Park, Sarnia, Ontario.	Control Systems Engineer, Imperial Oil Limited, Sarnia, Ontario.
JOHNSTON, P. M.	Mechanical	Engineering Hydrology - Imperial College of Science and Technology. (2 years)	P.O. Box 368, Beaverston, Ontario.	In U.K. - present address - 6, Dorncliffe Road, London, S.W.6.
LANG, D. W. L.	Chemical	Chemical Engineering - Cambridge University. (2 years)	50, Harbord Street, Toronto, Ontario.	
REID, W. W.	Electrical	Control Systems - Kelvin Hughes Ltd. (1 year) Cambridge University. (1 year)	Apt. 207, 130 Somerset St. West, Ottawa, Ontario.	Engineer, Department of National Defence.
1969 Group				
HAWKINS, D. J.	Chemical	Control Engineering - Manchester Inst. of Science and Technology. (2 years)	46, Brookmount Road, Toronto 8, Ontario.	In U.K. - present address 27, Plumby Drive, Manchester M16 9QQ.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.		LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF TORONTO - continued					
1969 Group - continued					
KERR, J. M.	Chemical	Tribology - University of Leeds	(2 years)	145, Tamworth Road, Willowdale, Ontario.	In U.K. - present address - 20, Fellows Road, Beeston, Nottingham.
MACDONALD, J. D.	Chemical	Industrial experience - Cremer and Warner.	(1 year)	633, Couves Crescent, Greenfield Park, P. Q.	Shell Canada Limited, Montreal, P. Q.
SAJECKI, E. R.	Civil	Urban Studies - University of Salford.	(1 year)	82-36th Street, Toronto 14, Ontario.	Planner, Land Use Division, Metropolitan Toronto Planning Board, Toronto, Ontario.
		Great London Council, Dept. of Planning & Transportation.	(1 year)		
1970 Group					
CARTER, T. J.	Mechanical	Nuclear Reactor Science - Imperial College.	(1 year)	Apt. 501, 10 Roanoke Road, Don Mills, Ontario.	
EVANS, R. L. (First degree at British Columbia)	Aerospace	Fluid Mechanics - University of Cambridge.	(2 years)	2175, Tanlee Crescent, R.R.1, Saanichton, B.C.	In U.K. - present address - Churchill College, Cambridge, CB3 ODS
KLINGHOFFER, O.	Electrical	Operational Research - Imperial College.	(1 year)	177, Waterloo Avenue, Downsview, Ontario.	Consultant, Systems & Computers Service Division, Imperial Oil Ltd., Esso of Canada.
REID, D. B.	Electrical	Control Systems - University of Cambridge.	(2 years)	Apt. 311, 3000 Yonge Street, Toronto 12, Ontario.	In U.K. - present address - 55, High Street, Linton, Cambridge.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF WATERLOO				
1962 Group				
ROORDA, J.	Civil	Engineering Mechanics - University College, London. (2 years)		Associate Professor, Department of Civil Engineering, University of Waterloo, Waterloo, Ontario.
1963 Group				
HAMILTON, R. E.	Mechanical	Industrial engineering - Unilever Limited. (1 year) Imperial College of Science and Technology. (1 year)		P. S. Ross & Partners, Management Consultants, Place Ville Marie, Montreal 2, P.Q.
STRONG, A. B.	Nuclear	Fluid mechanics - Imperial College of Science and Technology. (2 years)		Assistant Professor, Department of Mechanical Engineering, University of Waterloo, Waterloo, Ontario.
1964 Group				
McNEICE, G. M.	Civil	Structural research - University College, London. (2 years)	271 Westcourt Place, Waterloo, Ontario.	Assistant Professor, Department of Civil Engineering, University of Waterloo Waterloo, Ontario.
MITCHELL, R. J.	Civil	Soil Mechanics - University of Cambridge (2 years)	Woodbine Road, R.R.3, Kingston, Ontario.	Assistant Professor, Department of Civil Engineering, Queen's University, Kingston, Ontario.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF WATERLOO - continued				
1965 Group				
SULLIVAN, P. J.	Mechanical	Fluid mechanics - University of Cambridge. (2 years)		Assistant Professor, Department of Applied Mathematics, University of Western Ontario, London 72, Ontario.
1966 Group				
CAMBRIDGE, E. L.	Electrical	Automatic Control - University of Manchester Institute of Science and Technology (2 years)	232 Rue de la Brosse, Arvida, P.Q.	Research Scientist, Alcan Research Co. Ltd., P.O. Box 250, Arvida, P.Q.
LAVENDER, S. T.	Civil	Fluid Mechanics - University College, Swansea. (1 year) Hydrology - Water Resources Board, Reading. (1 year)	2772 Cropp Street, Niagara Falls, Ontario.	H. G. Acres & Co. Ltd., 1259 Dorchester Road, Niagara Falls, Ontario.
MUELLER, G. S.	Control	Automatic Control - University of Manchester Institute of Science and Technology. (2 years)		Assistant Professor, Department of Mechanical Engineering Sir George Williams University, 1435 Drummond Street, Montreal 25, P.Q.
ODLOZINSKI, G.	Mechanical	Gas Turbines - Rolls-Royce, Derby. (1 year) Thermal Power - Imperial College of Science and Technology. (1 year)		Atomic Energy Commission Ltd., Sheridan Park, Ontario.
1967 Group				
RENWICK, W. L.	Electrical	Automatic Control - Imperial College of Science and Technology. (1 year)	2255 Cypress Street, Apartment 314, Vancouver 9, B.C.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF WATERLOO - continued				
1968 Group				
CAMMAERT, A. B.	Civil	Structures - Cambridge University. (2 years)	Apartment 5, Hillcrest Apts., Simms Street, St. John's, Newfoundland.	Assistant Professor, Faculty of Engineering, Memorial University, St. John's, Newfoundland.
McLEOD, R. S.	Chemical	Control Systems - Manchester Institute of Science and Technology. (2 years)	8232 Reeds Lane, Prairie Village, Kansas 66208, USA.	
WHEELER, B. L.	Civil	Public Health Engineering - Newcastle/Tyne University. (1 year)	1 Frontenac Road, Apartment 104, London 42, Ontario.	James F. MacLaren Ltd. 320 Adelaide St. South, London, Ontario.
1969 Group				
BEKER, D. R.	Chemical	Operational Research - University of Birmingham. (1 year)	991 Regent Street, Apartment 206, Fredericton, New Brunswick.	Associate Consultant, Department of Management Engineering, N.B. Research & Productivity Council, P.O. Box 1236, Fredericton, New Brunswick.
BLACK, G. W. T.	Electrical	Control Systems - Imperial College of Science and Technology (1 year)	377 Goulais Avenue, Sault Ste. Marie, Ontario.	
GILBERT, R. L.	Mechanical	Thermodynamics - University of Birmingham. (1 year) Operational Research - The City University. (1 year)	133 Dundas Street, Thamesford, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF WATERLOO - continued				
1969 Group - continued				
GORRELL, L. E.	Mechanical	Biomechanics - University College, London (1 year) Applied Psychology - University of Aston in Birmingham. (1 year)	Box 100, Port Elgin, Ontario.	
TROWBRIDGE, D. B.	Chemical	Advanced Chemical Engineering - Imperial College of Science and Technology. (1 year)	867, Retlaw Drive, Sarnia, Ontario.	In U.K. - present address - 17, Orchid Avenue, Finchley, London, N.3.
1970 Group				
COOKE, R. J.	Mechanical	Metallurgy - University of Birmingham. (2 years)	270, Briscoe Street, London, Ontario.	In U.K. - present address - Flat 17, Brandon Court, 188, West Heath Road, Northfield, Birmingham.
MURDOCH, J. C.	Electrical	Control Systems - Imperial College. (1 year)	17, Merner Avenue, Kitchener, Ontario.	In U.K. - present address - 55, Leinster Square, London, W.2.
PARSONS, G. D.	Chemical	Biological Engineering - University of Birmingham. (1 year) Truman, Hanbury, Buxton & Co. Ltd., London (1 year)	R.R.3, Cookstown, Ontario.	In U.K. - present address - Flat 5, 36, Fairholt Road, Stamford Hill, London, N.16.
QUICK, C. D.	Electrical	Control Systems - Imperial College. (1 year)	Apt. 16-203, 15, MacPherson Ave., Kingston, Ontario.	Ph.D. Student, Biomedical Engineering, Queens University, Kingston, Ontario.
SEMPER, B. M.	Chemical	Industrial Administration - Cranfield Institute of Technology. (1 year)	737, Parkland Avenue, Port Credit, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF WESTERN ONTARIO				
1959 Group				
WHITCOMBE, R. M.	Mechanical	Business Administration - London School of Economics. (1 year) Mechanical engineering - Railway Operation - British Transport Commission. (1 year)	c/o Ethiopian Air Lines Inc., P.O. Box 1755, Addis Ababa, Ethiopia.	Adviser, c/o Ethiopian Air Lines Inc., (EAL), P.O. Box 1755, Addis Ababa, Ethiopia.
1960 Group				
AZIZ, E. M.	Civil	Concrete technology and soil mechanics - Imperial College of Science and Technology. (2 years)	203, Base Line Road East, London 16, Ontario.	Vice President, Hastings & Aziz Limited, London, Ontario.
1961 Group				
CASTLE, G. S. P.	Electrical	Microwave electronics - Imperial College of Science and Technology. (2 years)	6, Brentwood Place, London, Ontario.	Assistant Professor, Faculty of Engineering Science, University of Western Ontario, London, Ontario.
1962 Group				
McCORQUODALE, J. A.	Civil	Hydraulics - University of Glasgow. (19 months) D.S.I.R. Hydraulics Research Station, Wallingford. (2 months)	1507, Cherry Lawn Crescent, Windsor, Ontario.	Assistant Professor, Department of Civil Engineering, University of Windsor, Windsor, Ontario.
1963 Group				
FADER, D. J.	Civil	Structural engineering - University of Southampton. (2 years)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF WESTERN ONTARIO - continued				
1964 Group				
KØHN, C. E.	Electrical	Solid State electronics - University of Birmingham. (1 year) Ultra Electronics Limited, London. (1 year)		Project Manager, Computing Centre, University of Waterloo, Waterloo, Ontario.
PEARCE, G. A.	Civil	Waterworks practice - City of Birmingham Water Department. (6 months) Greater London Council, (6 months) Public Health Engineering - Imperial College of Science & Technology. (1 year)	R.R.2, Rockwood, Ontario.	Division of Sanitary Engineering, Ontario Water Resources Commission, Toronto, Ontario.
1965 Group				
GRACE, J. R.	Chemical	Chemical Engineering - University of Cambridge. (2 years)	222 Berlioz, Apt. C, Ile des Soeurs, Montreal 19, P.Q.	Assistant Professor, Department of Chemical Engineering, McGill University, Montreal 2, P.Q.
1967 Group				
DOERR, L. A.	Chemical	Advanced Chemical Engineering - Imperial College of Science and Technology. (2 years)	2 Breton Park Crescent, London, Ontario.	
MacKENZIE, A. W.	Petro-Chemical	Petroleum Industry - Esso Petroleum Co. Ltd., Fawley. (1 year) Operational Research - Imperial College of Science and Technology. (1 year)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF WESTERN ONTARIO - continued				
1967 Group - continued				
SHARPLES, B. P. M.	Civil	Civil Engineering - University of Cambridge. (2 years)	209, James Street, Delhi, Ontario.	
1968 Group				
TOLL, Mrs. S. A. (formerly Miss S. A. Keillor)	Chemical	Nuclear Power - Imperial College of Science and Technology. (2 years)	95, Ridout St. S., London, Ontario.	In U.K. - present address - Westhall, Westhall Road, Kew Gardens, Surrey.
TOLL, M. O.	Electrical	Engineering in Medicine - Imperial College of Science and Technology. (2 years)	1, Westview Drive, London, Ontario.	In U.K. - present address - Westhall, Westhall Road, Kew Gardens, Surrey.
1969 Group				
KOBA, B.	Electrical	Nuclear Power - Imperial College of Science and Technology. (1 year)	Apartment 9, 6256, Barker Street, Niagara Falls, Ontario.	Electrical and Applied Mechanics Department, HEG Acres Limited, 5259, Dorchester Road, Niagara Falls, Ontario.
WHITEHOUSE, J. D.	Mechanical	Mechanics of Solids - University of Aston in Birmingham. (1 year)	28, Lakeland Crescent, Scarborough, Ontario.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF WESTERN ONTARIO - continued				
1970 Group				
CARR, C. J.	Mechanical	Aeronautics - Imperial College. (1 year) Administrative Sciences - The City University. (1 year)	8953, De Louresse Avenue, Ville D'Anjou 436, Montreal 5, P.Q.	In U.K. - present address - 47, Willow Road, London N.W.3.
COHEN, N. P.	Chemical	Aeronautics - Imperial College. (1 year)	494 Victoria Street, London 24, Ontario.	
UNIVERSITY OF WINDSOR				
1964 Group				
RAYZAK, R. J.	Electrical	Controls - Imperial College of Science and Technology. (3 months)		
1965 Group				
TURCHYN, A.	Mechanical	Thermodynamics and Related Studies - University of Birmingham. (1 year) Mechanical Engineering - University of Birmingham. (1 year)	270, Patricia Avenue, Apt. 47, Windsor 11, Ontario.	Instructor, Department of Mechanical Engineering, University of Windsor, Windsor, Ontario.
1966 Group				
ELIAS, P. E.	Mechanical	Applied Mechanics - Imperial College of Science and Technology. (15 months) Vibration - Hawker Siddeley Aviation Ltd., Hatfield. (9 months)	2740, Manille Street, Brossard, P.Q.	

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY OF WINDSOR - continued				
1967 Group - Nil				
1968 Group				
DALGLEISH, J. F.	Engineering Materials	Manufacture of heavy electrical machinery - C. A. Parsons & Co. Ltd. (1 year)	Apt. 215, 5311, Sherbrooke St. W., Montreal, P.Q.	Aviation Electric Ltd., Montreal, P.Q.
MILES, K. G.	Mechanical	Experimental Stress Analysis - Nottingham University. (15 months) Hawker Siddeley Dynamics Ltd. (9 months)	25, Paisley Boulevard, Apartment 1108, Mississauga, Ontario.	Hawker Siddeley Canada, 7, King Street East, Toronto, Ontario.
1969 Group				
PERRY, F. J.	Mechanical	Aeronautics - Imperial College of Science and Technology. (1 year) National Physical Laboratory. (1 year)	3665, St. Patricks Drive, Windsor, Ontario.	In U.K. - present address - Bridge Cottage, Talhampton, Nr. Yeovil, Somerset.
WIRA, M. H.	Mechanical	Gas Dynamics and Physics - University of Southampton. (1 year)	DREV, P.O. Box 880, Courcellette, P.Q.	Scientific Officer, Defence Research Establishment, Valcartier, P.Q.

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
CALIFORNIA INSTITUTE OF TECHNOLOGY				
1955 Group				
PRICE, P.	Aeronautical	Aerodynamics - Royal Aircraft Establishment, Farnborough. (2 years)		
GEORGIA INSTITUTE OF TECHNOLOGY				
1960 Group				
BUTTON, H. F.	Electrical	Power systems - Imperial College. (2 years)	Apt. 26, 62, Westfield Drive, Regina, Saskatchewan.	
MICHIGAN COLLEGE OF MINING AND TECHNOLOGY				
1963 Group				
FLEMING, D. C.	Metallurgy	Metallurgy - University of Birmingham. (2 years)	5127, Cherryhill Crescent, Burlington, Ontario.	Manager, Metallurgical Processes, Union Carbide Canada Ltd., Toronto, Ontario.
PROVINCIAL COLLEGE OF TECHNOLOGY AND ART, CALGARY, ALBERTA				
1957 Group				
MALET DE CARTERET, R.	Aeronautical	Aeronautical engineering - College of Aeronautics, Cranfield. (2 years)		

NAME	BRANCH OF ENGINEERING	COURSES OF STUDY IN U.K.	LAST KNOWN ADDRESS OVERSEAS	REMARKS INCLUDING POSITION AND NAME OF FIRM ETC.
UNIVERSITY COLLEGE LONDON				
1957 Group				
LARKIN, B. S.	Mechanical	Nuclear engineering - Imperial College. (2 years)	11, Kindle Court, Box 125, R.R.1, Ottawa, Ontario.	National Research Council, Ottawa, Ontario.