

RURAL ECONOMY

2003 ANNUAL REPORT



Department of Rural Economy
Faculty of Agriculture, Forestry,
and Home Economics
University of Alberta
Edmonton, Alberta, Canada

DEPARTMENT OF RURAL ECONOMY

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Rural Economy in 2003: Taking Stock and Planning for the Future

The mission of the Department of Rural Economy of the University of Alberta is to pursue excellence in the discovery, application and dissemination of knowledge of economic, sociological and business dimensions of agriculture, food, forestry and the environment. A related focus of Rural Economy's research mission is the pursuit of public involvement to ensure relevance and effectiveness in the discovery, application and dissemination of knowledge in our areas of focus.

Rural Economy's Annual Report provides a wealth of information of the many activities, achievements and events during the preceding year. Our report includes a listing of our staff members and their major areas of teaching, research and other responsibilities. An account of the research output of the staff of the Department is given by the listing of their publications and research grants. Our Annual Report is our most comprehensive means for us to communicate with our valued friends, within and outside the University of Alberta, about some of our achievements and plans. Other information on Departmental activities, including graduate programs, courses and course descriptions, is available on our webpage (www.re.ualberta.ca) and through our regular newsletters. If you would like more information on any activities or to be put on a mailing list for newsletters or seminar notices, please don't hesitate to contact us. Full contact details are on our recently upgraded web site.

Rural Economy had many significant achievements in 2003. We had the pleasure of hiring a new staff member, Sean Cash, who will complement the existing pursuits of staff in the Department through his interest in health and food issues. One of our senior staff members, Mel Lerohl, retired after a long and productive career within the department. Mel's expertise and understanding of Western Canadian agricultural policy issues will be sorely missed. Luckily for us Mel remains an active Professor Emeritus in the department contributing to research and teaching programs. Terry Veeman had the pleasure of being made a Fellow of the Canadian Agricultural Economics Association. Various staff and students won awards through a variety of venues. Vic Adamowicz was elected to the prestigious Board of Directors, Association of Environmental & Resource Economists, (AERE). The list above highlights some of our activities and I encourage you to read the entire report to get the complete picture.

The Department had the pleasure of hosting the first University of Alberta Senior Fullbright Scholar, Roger Sedjo, during the Fall of 2003. Roger is a senior research fellow at Resources for the Future in Washington, D. C. Roger was an active participant in the activities of the Department, developing some

collaborative research proposals and making two large public presentations as well as many smaller contributions to classes and graduate student activities. We are grateful to the University of Alberta, the Faculty of Agriculture, Forestry and Home Economics and the Fullbright Foundation for making this important visit possible.

Our staff activities within the Sustainable Forest Management Network are significant and provide a solid base of funding for many post-doctoral fellows and graduate students. In a similar fashion, researchers within the Department play a significant role in the Prairie Genome GELS project, which also provides exciting graduate student research opportunities. New significant research grants within the Department include a Ducks Unlimited project researching on-farm wetlands and an SSHRC Biocap project researching greenhouse gases and the cattle industry. These projects, as well as others, reflect our response to the pressing need for research in the agriculture-environment interface within the province of Alberta.

Continuing enhancements to the collections held within the Eric Berg Reading Room and to the Research Computing Lab provide enrichments to the teaching and research programs of staff and students within our Department. Both of these facilities have benefited from the success of staff in obtaining competitive grants and from the generous donations of many friends to the Department. Significant contributions were made by many colleagues to a new undergraduate scholarship, the Len Bauer Bar None Scholarship, given for the first time this year to Patricia Brown. The contributions of many people, including Dale Kaliel, Michelle Middleton, Jeff Bauer, Ted Darling, and Peter Woloshyn for organizing and soliciting funds for this scholarship are gratefully acknowledged. The speed at which the funds were collected is a reflection of the esteem in which Len Bauer is held throughout the agricultural community in Alberta.

I wish to take the opportunity to thank the many individuals who have contributed to the achievements of the Department this year. These include staff, both academic and support, colleagues across North America who contribute to collaborative research programs and to providing input on staff promotion, evaluation and nomination for awards, and our many contributors from government and industry within Alberta who provide input on Advisory committees (e.g. Cooperative Chair in Agricultural Marketing and Business) and research and teaching collaborations.

Ellen Goddard, Chair

Rural Economy Staff

Academic Staff

Wiktor L. Adamowicz, PhD (Minnesota); Professor; Environmental Economics, Econometrics, Forest Economics.

Peter C. Boxall, PhD (Alberta); Associate Professor; Environmental Economics, Resource & Forest Economics.

Sean B. Cash, PhD (California at Berkeley); Assistant Professor; Environmental, Resource, and Health Economics.

Kevin Z. Chen, PhD (Guelph); Associate Professor; Food Marketing, Policy.

James H. Copeland, MSc (Alberta); Faculty Service Officer; Computing and Statistical Analysis.

Debra J. Davidson, PhD (Wisconsin-Madison); Assistant Professor; The State and Environmental Policy, Globalization, First Nations Issues.

Ellen W. Goddard, PhD (La Trobe, Australia); Professor, Chair (as of July 1, 2003) and Cooperative Chair; Agricultural Marketing and Business.

Grant K. Hauer, PhD (Minnesota); Assistant Professor; Resources & Environmental Economics, Trade.

Scott R. Jeffrey, PhD (Minnesota); Associate Professor; Agricultural Business Management, Production Economics.

Naomi T. Krogman, PhD (Colorado State); Assistant Professor; Sociology of Natural Resources, International Development, Gender.

Mel L. Lerohl, PhD (Michigan State); Professor (until June 30, 2003); Agricultural Policy and Trade.

Martin K. Luckert, PhD (British Columbia); Professor; Forest Economics, Natural Resource Economics. *Graduate Coordinator.*

Desmond W. Ng, PhD (Illinois); Assistant Professor; Agribusiness Management & Strategy, Business Strategy.

Jim R. Unterschultz, PhD (Alberta); Associate Professor; Agribusiness, Finance and Marketing. *Graduate Coordinator.*

Michele M. Veeman, PhD (California at Berkeley); Professor; Markets, Policy, Trade.

Terry S. Veeman, PhD (California at Berkeley); Professor; International Development, Resource and Environmental Economics. Joint appointment with Economics.

Associated Academic Staff

Leonard P. Apedaile, PhD (Iowa State); Professor Emeritus; Agricultural Policy, Rural Development.

Len Bauer, PhD (Oregon State); Professor Emeritus; Agricultural Management, Production Economics.

Tom M. Beckley, PhD (Wisconsin); Adjunct Professor; Forest Sociology.

Dhara S. Gill, PhD (Cornell); Professor Emeritus; Rural Sociology, Agricultural Extension.

Murray H. Hawkins, PhD (Ohio State); Professor Emeritus; Marketing, Business Management.

Leslie M. Johnson, PhD (Alberta); Adjunct Professor; Aboriginal Resource Management and Environmental Anthropology.

Mel L. Lerohl, PhD (Michigan State); Professor Emeritus (as of July 1, 2003); Agricultural Policy and Trade.

Bonnie L. McFarlane, PhD (Alberta); Adjunct Professor; Forest Social Science.

Eloise C. Murray, PhD (Pennsylvania State); Professor Emeritus; Gender Issues, Extension, Int'l. Development.

T. Alf Petersen, PhD (Washington State); Professor Emeritus; Farm Management, Extension.

William E. Phillips, PhD (California at Berkeley); Professor Emeritus; Forest Economics, Resource Economics.

Brian R. Radke, PhD (Michigan State); Adjunct Professor; Production Economics; Agribusiness Management.

Joseph J. Richter, Dr. Rer. Pol. (Graz, Austria); Professor Emeritus; Marketing, Trade.

Wolfgang M. Schultz, PhD (Oklahoma State); Professor Emeritus; Production and Natural Resource Economics.

Richard C. Stedman, PhD (Wisconsin); Adjunct Professor; Sociology and Rural Sociology.

Frank J. Tough, PhD (York); Adjunct Professor; Aboriginal Natural Resource Management.

Ed W. Tyrchniewicz, PhD (Purdue); Professor Emeritus; Policy, Transportation, International Development.

Marian Weber, PhD (Alberta); Adjunct Professor, Forest Economics.

William A. White, PhD (Simon Fraser); Adjunct Professor (Canadian Forest Service); Forest Economics.

Support Staff

Judy Boucher, Communications Coordinator
 Liz Bruce, Student Services Coordinator
 Anna Minarchi, Department Administrator
 Randy Page, LAN Administrator
 Dawn Zrobok, Reading Room Supervisor

Sessional Lecturers and Research Fellows

Bob Burden, Sessional Lecturer
 Erika Gerlock, Sessional Lecturer
 Anne Huennemeyer, Post Doctoral Research Fellow
 Jennifer Klimek, Sessional Lecturer
 Marian Weber, Post Doctoral Research Fellow
 William White, Sessional Lecturer
 Yaoqi Zhang, Post Doctoral Research Fellow

Awards to Graduate Students in 2003

Name	Award
Anderson, Jay	<ul style="list-style-type: none"> • University of Alberta PhD Scholarship
Caine, Kenneth	<ul style="list-style-type: none"> • Province of Alberta Graduate Scholarship • Alberta Learning Achievement Scholarship Program • Circumpolar/Boreal Alberta Research Grant • Canadian Circumpolar Institute • Northern Scientific Training Program Grant, Department of Indian Affairs Northern Development • R. Ramsay Scholarship, DIAND-Northern Scientific Training Program • T.W. Manning Book Prize
Cortus, Brett	<ul style="list-style-type: none"> • John Proskie Memorial Scholarship • B.J. McBain Scholarship
Gao, Ge	<ul style="list-style-type: none"> • Alberta Agricultural Economics Association Master's Scholarship • T.W. Manning Book Prize
Glover, Freda	<ul style="list-style-type: none"> • Co-operative Program in Agricultural Marketing and Business Studentship
Hailu, Getu	<ul style="list-style-type: none"> • FS Chia PhD Scholarship (Renewal) • J Gordin Kaplan Graduate Student Award
Hauta, Quentin	<ul style="list-style-type: none"> • John Proskie Memorial Scholarship • B.J. McBain Scholarship
Heckbert, Scott	<ul style="list-style-type: none"> • J Gordin Kaplan Graduate Student Award
Hotz, Joffre	<ul style="list-style-type: none"> • J Gordin Kaplan Graduate Student Award
Huygen, Isreal	<ul style="list-style-type: none"> • J Gordin Kaplan Graduate Student Award
Mendez Manzanilla, Jorge	<ul style="list-style-type: none"> • Murray and Pauline Hawkins Graduate Research Fellowship

Mitchell, Ross	<ul style="list-style-type: none"> • Social Sciences and Humanities Research Council (SSHRC) Doctoral Fellowship(Renewal) • Walter H Johns Graduate Fellowship • American Sociological Association Graduate Student Paper Award
Parker, Leanna	<ul style="list-style-type: none"> • University of Alberta PhD Scholarship
Shank, Benjamin	<ul style="list-style-type: none"> • MacAllister Scholarship in Agriculture • Province of Alberta Graduate Scholarship • Amy and Tim Dauphinee Scholarship • T.W. Manning Book Prize
Yang, Jun	<ul style="list-style-type: none"> • FS Chia PhD Scholarship
Zhang, Jing	<ul style="list-style-type: none"> • FS Chia PhD Scholarship

Awards to Staff

Vic Adamowicz, Selected for inclusion in “Who’s Who in Economics”, 4th Edition 2003.

Peter Boxall, Faculty of Agriculture, Forestry, and Home Economics, “Teaching Wall of Fame 2003”.

Debra Davidson, Faculty of Agriculture, Forestry, and Home Economics, “Teaching Wall of Fame 2003”.

Scott Jeffrey, Review of Agricultural Economics, “Outstanding Journal Article.” University of Alberta, Agriculture Club “Teaching Excellence Award”. Faculty of Agriculture, Forestry, and Home Economics, “Teaching Wall of Fame 2003”.

Marty Luckert, Department for International Development, “Book Published as a Notable Publication.”

Norah McKendrick and Debra Davidson, Rural Sociological Society “Best Poster Award.”

Terry Veeman, Selected as a Fellow of the Canadian Agricultural Economics Society.

Professional Offices Held by Staff in 2003

Wiktor Adamowicz, Board of Directors, Association of Environmental Resource Economists. Editorial Board, Journal of Forest Economics. Member, Research Operating Committee, BIOCAP Canada. Member, Advisory Board, CABREE. Guest Editor, Environmental and Resource Economics for a special issue on Environment Valuation Methods.

Peter C. Boxall, Member, the selection committee for the Northeastern Agricultural and Resource Economics Association Award for Outstanding Public Service Through Economics.

Kevin Z. Chen, Councilor, Canadian Agricultural Economics Society. Member, 2003 CAES Publication Committee. Member, American Agricultural Economics Association (AAEA) Outstanding Thesis Award

committee. Co-Organizer, International Symposium on Food Safety: Consumer, Trade, and Regulation Issues. Member, American Agricultural Economics Association (AAEA) International Committee. Member, The CLA Network, Alberta. Member, Western Coordinating Committee: The Role of China for U.S. Agricultural Products (WCC-101).

James H. Copeland, Mentor in the Alberta Institute of Agrologists Articling Agrologist Program.

Debra J. Davidson, Member, Education Advisory Committee, Alberta ACADRE. Member, Review Committee, University of Alberta FSIDA Program. Contributing author to "Chapter 4: Response Strategies," of the forthcoming Millennium Ecosystem Assessment Report, funded by the United Nations Environment Programme and the Global Environment Facility. This is an initiative to bring together 100s of social and natural scientists the world over to assess the state of the global ecosystem and has involved several international meetings, the next of which will be held in Montreal in April 2004.

James Unterschultz, Elected Member, the executive of the Canadian Agricultural Economic Society.

Naomi T. Krogman, Elected to the Nominations Committee, 2003, Rural Sociological Society. Council Member for the International Symposium for Society and Natural Resources.

Martin K. Luckert, Adaptive Management Land Use Advisory Group.

Desmond Ng, Appointed to the Board and a Fellow for The Centre for Innovation Studies (THECIS). Committee member for the Value Chain Action Team initiated by the Agriculture and Food Council of Alberta. Executive Committee Member, the Alberta Agricultural Economic Association.

Michele Veeman, Member, the Program Committee and Co-Chair for the contributed paper process for the 2003 Durban Meeting of the International Association of Agricultural Economists. Member, Advisory Committee on Agricultural Statistics for Statistics Canada. Appointed to Editorial Council of Journal of Agricultural and Resource Economics. Member, Board of Trustees, National Centre for Food and Agriculture Policy, (Washington DC). Member, Editorial Board of Estey Center Journal of International Law and Trade Policy.

Terry Veeman, Member, the Program Committee and Co-Chair for the contributed paper process for the 2003 Durban Meeting of the International Association of Agricultural Economists; Member, IAAE President-Elect's Committee to select four finalists for the T.W. Schultz Young Professional Award. Director, International Association of Agricultural Economists - Canadian Chapter, and IAAE representative on the Executive of the Canadian Agricultural Economics Society. Director, Canadian Water Resources Association - Alberta Branch. Member, Advisory Committee, Environmental Research and Studies Centre, University of Alberta. Member, Board of Examiners, Alberta Institute of Agrologists.

Staff on Leave in 2003

Kevin Chen, July 1, 2003 to June 30, 2004 (Agricultural Management, Marketing and Finance Service (AGSF), FAO, Rome, July-December; Institute of Agriculture and Forestry, the University of Tsukuba, Japan, January-June).

Jim Unterschultz, July 1, 2002 to June 30, 2003 (University of Saskatchewan, Saskatoon).

Student Activities

The Department of Rural Economy, Faculty of Agriculture, Forestry and Home Economics is proud of our students who participated in various undergraduate and graduate student competitions. A number of undergraduate students participated in the Undergraduate Student Competitions at the American Agricultural Economics Association annual meetings held in Montreal, July 27-30, 2003. The students were: Adair Rigney, BSc Environmental and Conservation Sciences; Kyla Rice, BSc Environmental and Conservation Sciences; Ryan Furtas, BSc Agriculture; Steve Verchomin, BSc Agriculture. All students presented papers in the Undergraduate Student Paper Competition and Ryan Furtas placed third for his paper entitled: 'What happened to the Fluid Milk Market after the Sale of the Dairyworld Cooperative?' Ryan, Kyla and Steve also competed against teams from all over North America in the Academic Bowl.

In October 2003, a team of undergraduates participated in the annual case study competition of the Food Distribution Research Society in Biloxi, Mississippi. The students who participated were Warren Bills, Marina Cawley, Kent Erickson, Sarah Gardner and Adrienne Herron, all BSc Agriculture students. They prepared a case study entitled 'In the Shadow of a Giant: Wal-Mart and Houston Grocery Market'.

This year, a team of graduate students from Rural Economy participated in the American Agricultural Economics Association Annual Meeting Graduate Student Case Study Competition for the first time. The case analysis was on the beleaguered co-operative Ocean Spray, a large American company. Our graduate students, Michael Habteyonas, Jing Zhang, and Cindy Wang fared very well, winning the competition.

At the combined annual meetings of the American Agricultural Economics Association, Canadian Agricultural Economics Association and the Rural Sociological Society, Norah McKendrick (and Debra Davidson) received first prize in the Rural Sociological Society competition for their submitted poster entitled 'Voluntary Corporate Greening in Rural Alberta'.

Our students were also represented at the Alberta Agricultural Economics Association Annual Meeting in Red Deer in May, 2003. Joffre Hotz (MSc student) received first place for his poster entitled 'A Risk Management Tool for Alberta Agriculture. 'Value at Risk'. Jason Richl, Kyla Rice, Dale Milesand and Jean-Phillipe Fertin (undergraduate students) were awarded second place for their poster entitled 'A Model of Backcountry Camping Site Choice in Kananaskis Country'.

Ross Mitcehl received a 2003 Graduate Student Paper Award from the American Sociological Association for his paper entitled "ThorosteinXeblen: Pioneer in Environmental Sociology".

When you consider the activities above, the awards and presentations and theses entered into competition, our undergraduate and graduate students have had a very productive year. Congratulations to all.

Graduate Students Completing Programs in 2003, Thesis Topics and Supervisors

Ambard, Marke. A Photo-Assisted Exploration of Sense of Place in Hinton and Jasper, Alberta. MSc. (Davidson)

Duku-Kaakyire, Armstrong. Evaluation of the Real Options Approach to Agribusiness Valuation: A Pork Investment Case Study. MSc. (Unterschultz, Ng)

Fluet, Colette. The Involvement of Aboriginal Groups and Environmental Organizations in a Regional Planning Strategy for the Northern East Slopes of Alberta. MSc. (Krogman)

Huygen, Israel. Cost Implications of Alternative Tolerance Levels: Non-Genetically Modified Wheat in Western Canada. MSc. (Lerohl/M. Veeman)

Leake, Nancy. The Examination of Community Level Economic Sustainability Indicators in Canada. MSc. (Adamowicz/Boxall)

MacKendrick, Norah. Opportunities and Constraints on Voluntary Environmental Strategies: A Comparative Case Study of Integrated Resource Management in Alberta, Canada. MSc. (Davidson)

Maynes, Tanya. Economic Analysis of Carbon Sequestration on Public Forest Lands. MSc. (Hauer)

Mendez Manzanilla, Jorge. Effects of Foreign Direct Investment in the Canadian Agri-Food Industry. MSc. (Goddard/Ng)

Miao, Xiaoping. Consumers' Preferences for Fresh Meat Attributes and Retail Outlets in China: The Case of Hangzhou and Shanghai. MSc. (Chen)

Mohamud, Habiba. Gender Dimensions of Food Security Among Somali Pastoralists in Northeastern Kenya. MAg. (Krogman)

Mollo, Clotilde. Forest Regulations and Policy Objectives in Cameroon: An Economic Analysis. MSc. (Hauer/Luckert)

Nilsson, Gunnilla. Using Cost Assessments of Planning Uncertainties to Direct Forest Management Information Collection. MSc. (Luckert)

Graduate Students Commencing and Continuing Programs Through 2003 and Their Degree

Allen, Trena, MSc in Rural Sociology

Anderson, Jay, PhD in Forest Economics

Boadu, Abena, MSc in Agricultural and Resource Economics

Caine, Kenneth, MSc in Rural Sociology

Cortus, Brett, MSc in Agricultural and Resource Economics

Deng, Yu, MSc in Agricultural and Resource Economics

Dwyer, David, MSc in Rural Sociology

Emunu, John Paul, MSc in Agricultural and Resource Economics
Gao, Ge, MSc in Agricultural and Resource Economics
Gao, Fei, MSc in Agricultural and Resource Economics
Tsedale, MSc in Rural Sociology
Glover, Freda, MSc in Agricultural and Resource Economics
Habteyonas, Michael, PhD in Agricultural and Resource Economics
Hailu, Getu, PhD in Agricultural and Resource Economics
Han, Young Wook, MSc in Agricultural and Resource Economics
Heckbert, Scott, MSc in Agricultural and Resource Economics
Hotz, Joffre, MSc in Agricultural and Resource Economics
Hu, Wuyang, PhD in Agricultural and Resource Economics
Huang, Wenzhao, MSc in Agricultural and Resource Economics
Javier, Esmyra, PhD in Agricultural and Resource Economics
Jegade, Oyebola, MSc in Agricultural and Resource Economics
Johnson, Trina, MSc in Agricultural and Resource Economics
Jonasi, Lorraine, MSc in Agricultural and Resource Economics
Laate, Emmanuel, MSc in Agricultural and Resource Economics
Lawrence, Lola, MSc in Agricultural and Resource Economics
Lee, Michelle, MSc in Rural Sociology
Liu, Xiaozhan, PhD in Agricultural and Resource Economics
Lomeli, Jose, MSc in Agricultural and Resource Economics
Lu, Rong, MSc in Agricultural and Resource Economics
Mendoza, Gustavo, MSc in Agricultural and Resource Economics
Mitchell, Ross, PhD in Rural Sociology
Moon, Amanda, MSc in Agricultural and Resource Economics
Moyo, Sibongile, MSc in Agricultural and Resource Economics
Nam, Kang-Weon, MSc in Agricultural and Resource Economics
Neumann, Pamela, MSc in Rural Sociology
Neupane, Anish, MSc in Agricultural and Resource Economics
Ochoa, Marcela, MSc in Forest Economics
Panter, Chris, MSc in Agricultural and Resource Economics
Parker, Leanna, PhD in Rural Sociology
Qian, Xiaochao, MSc in Agricultural and Resource Economics
Rausch, Michael, MSc in Agricultural and Resource Economics
Rittmaster, Robyn, MSc in Agricultural and Resource Economics
Rutakumwa, William, MSc in Rural Sociology
Shank, Benjamin, MSc in Agricultural and Resource Economics
Spyce, Amanda, MSc in Agricultural and Resource Economics
Tao, Shiyi, MSc in Agricultural and Resource Economics
Uto, Kinga, MSc in Agricultural and Resource Economics
Varghese, Jeji, PhD in Rural Sociology
Wang, Xin, MSc in Agricultural and Resource Economics

White, Elspeth, MSc in Agricultural and Resource Economics
Williamson, Tim, MSc in Forest Economics
Wiredu, Emmanuel, PhD in Agricultural and Resource Economics
Yang, Jun, PhD in Agricultural and Resource Economics
Zhang, Jing, PhD in Agricultural and Resource Economics
Zindi, Christopher, PhD in Agricultural and Resource Economics

Visiting Professors/Scholars

Mei, Hongchang, Professor and Dean, Management College, Chongqing Technology and Business University, PR China.

Rodriguez, Dinah, Senior Researcher, Institute of Economic Research, Mexico.

Sedjo, Roger, First University of Alberta Senior Research Fellow (September to December 2003) Senior Fellow and Director, Resources for the Future, Washington, DC.

Visiting Speakers and their Topics

Campbell, B., Director of Livelihoods Program, Centre for International Forestry Research (CIFOR). "Is There a Role for Natural Resource Management in Poverty Alleviation in Semi-Arid Africa? Towards a New Social Contract for Science." May 26, 2003.

Hardaker, B., Professor Emeritus, University of New England, Australia. "Accounting for Risk in Program Modelling." September 15, 2003.

Harrison, K., Department of Political Science, University of British Columbia. "Incentives for Pollution Abatement: Regulation, Regulatory Threats and Non-Governmental Pressures." February 27, 2003.

Haugen-Kozyra, K., Environmental Management Specialist, Alberta Agriculture, Food and Rural Development. "Agriculture Policy Framework: Canada's First Coordinated Step Towards Environmental Goods and Services in Agriculture." June 17, 2003.

Horne, P., Senior Researcher, Finnish Institute, Helsinki. "Finnish Forest Owners' Views on Incentive Based Instruments for Biodiversity Conservation in Private Forests - A Choice Experiment Approach." October 27, 2003.

Hufbauer, G., Reginald Jones Senior Fellow at the Institute for International Economics, Washington, DC. "Why is Agriculture Always the Spoiler in Trade Negotiations?" October 30, 2003.

Isik, M., Associate Scientist, Center for Agricultural and Rural Development, Iowa State University. "Environmental Regulation and the Spatial Structure of the U.S. Dairy Sector." January 13, 2003.

Langpap, C., PhD Candidate, Department of Agricultural and Resource Economics, Oregon State University. "Voluntary Conservation of Endangered Species: When Does "No Surprises" Mean No Conservation?" January 9, 2003.

Morrison, M., Senior Lecturer, School of Marketing and Management, Charles Sturt University, Australia. "Valuing Public Goods When Respondents Don't Have to Pay." September 18, 2003.

Sedjo, R., Senior Fellow and Director, Resources for the Future, Washington, DC. "Can We Help Meet Kyoto Targets Using Forest Sinks: The Case of EU, Japan and Canada." Inaugural University of Alberta Fulbright Scholar Public Seminar sponsored by Board of Governors; Faculty of Agriculture, Forestry and Home Economics; and the Department of Rural Economy. October 30, 2003.

Sedjo, R., Senior Fellow and Director, Resources for the Future, Washington, DC. "Timber Supply and Sustainable Forests: A Global Overview." Forest Industry Lecture Series No. 50. November 13, 2003.

Taylor, L., Associate Professor, Department of Economics, Andrew Young School of Policy Studies, Georgia State University. "Externality Effects of Small – Scale Hazardous Waste Sites: Evidence from Urban Commercial Property Markets." April 11, 2003.

Trant, M., Agriculture Division, Statistics Canada. "Agricultural Employment and Productivity Trends, Observations and Measurement Methods." March 3, 2003.

Overview of the Cooperative Program in Agricultural Marketing and Business

The Cooperative Program in Agricultural Marketing and Business was created by industry funding in the late 1980's. The broad purposes of the program are to conduct research, extension and teaching in the areas of agricultural marketing and business. The focus is on issues related to group activities whether these be for cooperatives or other organizations.

The program funding is largely used to fund graduate student research. Currently there are six Masters students and one PhD student being funded through the program. Their research topics are:

- The Impact of Foreign Direct Investment on Canadian Agribusiness
- Potential for Increased Poultry Exports from Canada.
- Should Environmental Cooperatives be used in Canada?
- Principal-Agent Problems and Capital Constraints in Canadian Agribusiness
- Supply and Marketing Co-operatives
- Consumer Demand for Chicken by Type of Product
- Games in Branding and New Product Development in the Canadian Poultry Processing Industry
- Factors Affecting the Demand for Beef in Canada

The program also encourages various extension activities. This year the highlight of the program was the Annual Symposium. Symposium 2003 "Branding, Labelling, and Identity Preservation: What's in it for Agribusiness?" was held on June 3, 2003 at the University of Alberta.

Students working on the above projects were well represented in various national and international professional meetings throughout the year. A new project on the effects of deregulation on rural electricity cooperatives in Alberta has been established in collaboration with Professor Becky Richards, University of Montana.

The program also encourages various extension activities. This year the highlight of the program was the Annual Symposium. Symposium 2003 "Branding, Labelling, and Identity Preservation: What's in it for Agribusiness?" was held on June 3, 2003 at the University of Alberta. About 80 people participated in the conference and the feedback was positive, possibly because some of the participants directly addressed the

issue of market response to food scares such as BSE. It was unfortunate that the Canadian cattle industry was devastated by the incidence of one Mad Cow in the weeks just preceding the symposium.

A Major Academic Activity: Rural Economy Participation in Sustainable Forest Management - The Network of Centres of Excellence

The Sustainable Forest Management Network, one of Canada's Networks of Centres of Excellence, is centred at the University of Alberta. This is a national research network focused on management of Canada's forests, involving university, industry, Aboriginal and government collaboration in research. The Faculty of Agriculture, Forestry and Home Economics plays a major role in this NCE. Several faculty members are principal investigators in the Network and are active in the administration of the Network. Dr. Vic Adamowicz (Rural Economy) is stepping down from the position of Program Leader on March 31, 2004 – a position he has held for over 5 years. Dr. Terry Veeman (Economics/Rural Economy) was Interim Leader of the Network from July 2001 through June 2002 and continues to play an active role as a leader in the policy research area. In addition, several Rural Economy faculty members have research projects and graduate students funded through the network.

The Sustainable Forest Management NCE is core funded by two federal granting councils: The Natural Sciences and Engineering Research Council (NSERC) and the Social Sciences and Humanities Research Council (SSHRC), in collaboration with Industry Canada. The Network is also supported by several industry partners, provincial governments, conservation organizations and First Nations partners. The Network's annual budget for research and networking is now over \$7 million. The Network is in its second seven year phase of funding from the NCE program.

The Network examines new approaches to forest management that can maintain the nation's forest based-economy while not compromising biodiversity and ecological goals. The Network has two major research goals, developing innovative strategies for forest management and constructing indicators and approaches to monitor progress towards sustainability. Rural Economy staff contribute significantly to the social science components of the Network including the Policy and Institutions area, Integrated Resource Management area, Social and Economic Indicators of Sustainability and Sustainable Aboriginal Communities themes.

Research in Rural Sociology

The two professors in the Rural Sociology program are Dr. Debra Davidson and Dr. Naomi Krogman

Debra Davidson and Naomi Krogman are finishing up a Sustainable Forest Management Network funded project on integrated resource management in Alberta, where they examined the organizational challenges for government, industry and a First Nation to lead an integrated resource management effort in their region.

Debra is involved in one additional research project funded by the Sustainable Forest Management Network. The first is a province-wide case study of forest industry public advisory groups to assess how satisfied members are with public advisory groups as a way to engage citizens in forest management planning.

In addition, Debra is involved in a project that was funded by the Prairie Adaptation Research Collaborative that entails a survey of members of government, non-governmental, industry, and scientific institutions in the Prairie Provinces regarding their attitudes toward global climate change.

Debra is also working with a group of other social science faculty and graduate students to develop a

new undergraduate textbook on environmental sociology, to be published by Fernwood Press and Zed Books in 2005.

Naomi is involved in two key research projects. The first is a Sustainable Forest Management Network project which entails a national survey of registered professional foresters to assess their training and preparedness to address Aboriginal and other social issues in forestry. The other project is funded by Alberta Forest Products Industry in which she and Dr. Barb Thomas are assessing community perceptions of risk associated with hybrid poplar farms.

Naomi also holds a Canadian Institute of Health Research grant with Dr. Lory Laing and Dr. Walter Kipp in the Department of Public Health. Pending additional funding, this project will be examining the ways in which a pastoral lifestyle interacts with adolescent health, particularly the sexual health of adolescent girls.

Drs. Krogman and Davidson have become involved in two new research initiatives this year, including a study of land uses and rights of the Metis of northwestern Saskatchewan, and a study of social sustainability in forest-based communities across Canada. They are jointly considering future research in the area of water management in the West, and oil and gas development impact comparisons across Canada, US and Mexico.

Rural Economy Facilities

The Rural Economy Reading Room continues to be a valuable resource for the department and is well-used by students. The scope of the collection includes, in addition to the traditional areas of agricultural and resource economics, forest economics and rural sociology, related material on agroforestry, environmental economics, and resource sociology.

The Rural Economy Graduate Computing Laboratory was expanded in 2003 to a 13 work station research facility. There are three types of workstations in the computing lab, designed for different types of work.

The most sophisticated machines in the lab are designed for computationally intensive operations such as number crunching with large data sets. These machines are dual processor, dual monitor machines with lots of memory and large hard disk drives. This allows students to work with very large data sets in an efficient manner without taxing network bandwidth. There are four of these in the lab. These machines also have the linux operating system installed for use by students who may need development tools and other packages that windows does not provide.

The next class of machines in the lab are high end workstations that are suitable for graphics manipulation and medium duty number crunching. They are single processor machines with a single monitor and large hard drives. There are five of these machines.

Publications Reported in 2003

Refereed Publications (Journal Articles, Books and Chapters in Books)

Adamowicz, W. 2003. "Economic Indicators of Sustainable Forest Management: Theory Versus Practice." *Journal of Forest Economics* 9:27-40.

Adamowicz, W.L. and P.C. Boxall. 2002. "Hypothetical Markets- Attribute Based Stated Preference Methods." In *Technical Guidance Document on the use of Socioeconomic Analysis in Chemical Risk Management Decision Making*. OECD Environment Health and Safety Publications Series on Risk

Management Number 14, pp. 157-161.

- Adamowicz, W.L., and Burton, P.J. 2003. "Sustainability and Sustainable Forest Management." Chapter 2. In *Towards Sustainable Management of the Boreal Forest*. Edited by P.J. Burton, C. Messier, D.W. Smith, and W.L. Adamowicz. NRC Research Press, National Research Council of Canada. pp. 41-64.
- Adamowicz, W.L., Armstrong, G.W., and Messmer, M.J. 2003. The Economics of Boreal Forest Management. Chapter 6. In *Towards Sustainable Management of the Boreal Forest*. Edited by P.J. Burton, C. Messier, D.W. Smith, and W.L. Adamowicz. NRC Research Press, Ottawa, Ontario, Canada. pp. 181-212.
- Armstrong G.W., Adamowicz W.L., Beck J.A., Cumming S.G. and Schmiegelow F.K.A. 2003. "Coarse Filter Ecosystem Management in a Nonequilibrating Forest." *Forest Science* 49(2):209-223.
- Boxall, P.C. and W. Adamowicz. 2002. "Understanding heterogeneous preferences in Random Utility Models: The use of Latent Class Analysis." *Environmental and Resource Economics* 23:421-446.
- Boxall, P.C., D.O. Watson, and J. Englin. 2003. "Backcountry Recreationists' Valuation of Forest and Park Management Features in Wilderness Parks of the Western Canadian Shield." In *The New Economics of Outdoor Recreation*. Edited by Hanley, N., W.D. Shaw, and R.E. Wright. Edward Elgar Press, Northampton, MA., pp. 221-238.
- Boxall, P.C., G. Murray and J.R. Unterschultz. 2003. "Non-timber Forest Product Potential From the Canadian Boreal Forest: An Exploration of Aboriginal Opportunities in the Wild Berry Industry." *Journal of Forest Economics* 9(1):75-96.
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- Burton, P.J., C. Messier, D.W. Smith, and W.L. Adamowicz. 2003. "Towards Sustainable Management of the Boreal Forest." .” In *Towards Sustainable Management of the Boreal Forest*. Edited by P.J. Burton, C. Messier, D.W. Smith, and W.L. Adamowicz. NRC Research Press, Ottawa, Ontario, Canada. 1039 p.
- Campbell, B. and M.K. Luckert. 2002. "Evaluando la cosecha oculta de los bosques: Metodos de valuacion para boques y recursos forestales." Edited by Campbell, B. and M.K. Luckert. *Pueblos y Plantas* 5. *Manual de conservacion*. Nordan comunidad. 270 p.
- Campbell, B.M., Luckert, M.K., Mutamba, M. 2003. "Household Livelihoods in Semi-Arid Regions: Is There a Way out of Poverty?" *Currents* 31/32: 4-10.
- Cash, S.B., D.L. Sunding, A. Swoboda, and D. Zilberman. 2003. "Indirect Effects of Pesticide Regulation and the Food Quality Protection Act." *Current Agriculture, Food and Resource Issues* 4:73-79.

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- Davidson, D.J., M. Gismondi, S. Ikeda, M. Lee, I. Lock, J. Varghese, A. Wilson. 2003. "Power and the Politics of Sustainability." In Les Samuelson and Wayne Antony (eds.), *Power and Resistance: Critical Thinking about Canadian Social Issues, 3rd Ed.* Halifax: Fernwood Publishing. pp. 337-356.
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- Goddard, E., P.C. Boxall, and M. Lerohl. 2002. "Co-operatives and the Commodity Political Agenda: A Political Economy Approach." *Canadian Journal of Agricultural Economics* 50(4): 511-526.
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- Veeman, M. 2003. "Labelling Policy for GM Food." *Current Agriculture, Food & Resource Issues* (November) 4: 107-115.
- Veeman, M. 2002. "Policy Development for Novel Foods: Issues and Challenges for Functional Food." *Canadian Journal of Agricultural Economics* 50 (4): 541-558.
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- Veeman, T. and A. Hailu. 2003. "Comparative Analysis of Efficiency and Productivity Growth in Canadian Regional Boreal Logging Industries". *Canadian Journal of Forest Research*, 33: 1-8.
- Veeman, T. and J. Politylo. 2003. "The Role of Institutions and Policy in Enhancing Sustainable Development and Conserving Natural Capital." *Environment, Development and Sustainability*. (Special Issue on Natural Capital, Poverty, and Development) 5: 317-352.

Oral Presentations and Posters

- Adamowicz, W., P. Boxall, M. Haener, Y. Zhang, D. Dosman and J. Marois. "Assessing the Impacts of Forest Management on Aboriginal Hunters in Canada: Evidence from Stated and Revealed Preference Data." Presented at the Association of Environmental and Resource Economists meeting, Allied Social Science Association annual meeting, Washington. DC, January 3-5, 2003.
- Allen, T., N. Krogman, K. Vanevery and P. Smith. "Meeting the Challenge: Professional Forester Education in Canada." Presented at the SFMN graduate student workshop, Ontario, 2003.
- Allen, T., N. Krogman, K. Vanevery and P. Smith. "Meeting the Challenge: Professional Forester Education in Canada." Presented at the Canadian Aboriginal Science and Technology Society Conference. Saskatoon,

Saskatchewan, 2003.

Allen, T., N. Krogman, K. Vanevery and P. Smith. "Meeting the Challenge: Professional Forester Education in Canada." Presented at the Northern Studies Student Conference, Telus Centre, October, 2003.

Boxall, P. "An Overview of the NTFP Research in the NWT – Gwich'in Settlement Area." Presented at the NTFP workshop of the SFM, Vancouver B.C., Aug 20-21, 2003.

Boxall, P. "A Spatial Hedonic Analysis of Remote Tourism in Northern Ontario." Invited presentation, School of Business, University of South Australia, Adelaide Australia, May 25, 2003.

Boxall, P. "A Spatial Hedonic Analysis of Remote Tourism in Northern Ontario." Invited presentation, Southern Cross University, Lismore, NSW, Australia, June 25, 2003.

Boxall, P. "Nontimber Forest Products From the Sub-arctic Boreal Region: Aboriginal Use of Wild Berries and Business Opportunities. Invited presentation, Northern Forestry Centre, Canadian Forest Service., Edmonton, Alberta, March 27, 2003.

Boxall, P. "The Behavioural Ecology of Homo Sapiens: With Comments on Biodiversity and Economic Valuation." Invited presentation, Queen's University Biology Station, Chaffey's Locks, Lake Opinicon, Ontario, August, 2003.

Boxall, P., S. Heckbert and W.L. Adamowicz. "Agent Based Modeling of Spatial and Temporal Economic Activity in Forested Landscapes." Presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratification" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Boxall, P., A. Moon and W.L. Adamowicz. "Complexity in Choice Experiments: An Exploration of Status Quo Bias." Presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Boxall, P., L. Hunt, J. Englin, and W. Haider. "Fly-in Angler's Valuation of Forest Management: An Analysis of Ontario Remote Tourism." Presented at the 31st Annual Workshop of the W-1133 Project, Las Vegas, Nevada, February 25-26, 2003.

Boxall, P., G. Hailu and B.L. McFarlane. "The Influence of Place Attachment on Recreation Demand: A Structural Equation Model." Presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Cash, S. "The Value of Habitat Conservation for Bioprospecting." Presented at BioEcon Workshop on the Economics of Biodiversity Conservation. Venice, Italy, August 28, 2003.

Cash, S., D.Sunding and D. Zilberman. "Indirect Health Effects of Pesticide Regulation." Presented at Canadian Agricultural Economics Society Workshop on the Economics of Food and Health. Vancouver, British Columbia, May 2, 2003.

Chen, K.Z. "Food and Agricultural Supply Chains in South East Asia." Sponsored by the FAO and University of Alberta Partnership Program. December 12, 2003.

- Chen, K.Z., M. Shi, and G. Hailu. "Willingness to Pay for Non-Genetically Modified Vegetable Oil in China." Poster Paper presented at the International Association of Agricultural Economists (IAAE), August 16-22, 2003.
- Chen, K.Z., Y. Chen, and M. Shi. "The Formation of Vegetable Export Supply Chains in China." Presented at the FAO Technical Workshop on "Globalization of Food Systems: Impacts on Food Security and Nutrition." Rome, Italy, October 8-10, 2003.
- Chen, K.Z. Y. Chen, and M. Shi. "Globalization, Pesticide Regulation, and Supply Chain Development: A Case of Chinese Vegetable Exports to Japan." Presented at the International Symposium on Food Safety: Consumer, Trade, and Regulation Issues. Sponsored by Zhejiang University, University of Alberta, CIDA, and University of Tsukuba, Hangzhou, Zhejiang, PR China, October 10-11, 2003.
- Davidson, D.J. and N. MacKendrick. "Integrated Resource Management in Alberta." Poster presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.
- Dosman D. and W. Adamowicz. "Combining Stated and Revealed Preference Data to Examine Intrahousehold Bargaining Decisions." Invited Keynote Presentation at the workshop "Advancing the Methodology of Discrete Choice Experiments in Health Economics", at Oxford University, England, September 22-23, 2003.
- Goddard, E. "Can Advertising and Media Health Coverage Mitigate the Consumer Effects of Food Safety Occurrences? The Case of Meat in Canada." Presented at the Agricultural Institute of Canada Foundation conference – "From the Farm Gate to the Dinner Plate", Westin Hotel, Edmonton, Alberta, November 2-4, 2003.
- Goddard, E. "What's Does It Mean for Agribusiness?" Presented at the Cooperative Program in Agricultural Marketing and Business Symposium 2003: Branding, Labelling and Identity Preservation: What's In It for Agribusiness? June 3, 2003, Edmonton.
- Goddard, E. and G. Hailu. "Agribusiness Co-operatives in the West Where Are We?" Presented at the Co-ops: An Alternative Business Model Built on Success Conference. The Canadian Adaptation and Rural Development Fund, Red Deer, Alberta, November 4, 2003.
- Goddard, E., J. Freebairn and G. Griffith. "Issues in Evaluating Generic Promotion in the Food Chain." Presented at the Australian Agricultural and Resource Economics Society 2003 Conference, Freemantle, Western Australia, February 12-14, 2003.
- Goddard, E., G. Hailu and C. Wang. "Impacts of Generic Advertising and Food Safety/Health Information on Canadian Meat Demand." Presented at the Canadian Agricultural Economics Society Workshop- "The Economics of Food and Health." Vancouver, B.C., May 2-3, 2003.
- Hailu, G., S. Jeffrey and E. Goddard. "Principal-Agent Problems and Capital Constraints in Canadian Agribusiness Co-operatives. Poster presented at the Cooperative Program in Agricultural Marketing and Business Symposium: "Branding, Labeling and Identity Preservation: What's in it for Agribusiness?" University of Alberta, Edmonton, Alberta, June 03, 2003.
- Hailu, G., S.R. Jeffrey and E.W. Goddard. "Regulatory Environment and Agency Costs of Debt for Supply

and Marketing Co-operative Agribusiness Firms in Canada.” Presented at the Food Distribution Research Society Annual Meeting Contributed Paper, Biloxi, MS., October 26, 2003.

Hailu, G., S. Jeffrey, and E. Goddard. “Regulatory Environment, Governance and Agency Costs for Co-operative Agribusiness Firms in Canada.” Contributed paper presented at the 2003 Conference of the Food Distribution Research Society: Food Safety and Security: The Food Industry Responds, 2003, Beau Rivage Resort and Casino, Biloxi, Mississippi, U.S.A., October 25-29, 2003.

Hailu, G., C. Wang, J. Lomeli and E. Goddard. “Do Consumers Really Respond to Media Coverage of Food Safety Issues? The Case of Meat in Canada.” Presented at the International Symposium “Food Safety: Consumer, Trade and Regulation Issues” co-sponsored by the Department of Rural Economy; The Canadian International Development Agency; and the Institute of Agriculture and Forestry at the University of Tsukuba, Japan, Hangzhou, Zhejiang, PR China, October 10-11, 2003.

Hailu, G., E.W. Goddard, J. Unterschultz and S.R. Jeffrey. “Agency Costs of Debt and Cost Inefficiency: The Case of Co-operative Agribusiness Firms in Canada.” Presented at the American Agricultural Economics Association annual meeting “Spatial Inequality: Continuity and Change in Territorial Stratifications” held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Heckbert, S., P. Boxall, W.L. Adamowicz and D. Ng. “Agent Based Modeling of Spatial and Temporal Economic Activity in Forested Landscapes.” Presented at the American Agricultural Economics Association annual meeting “Spatial Inequality: Continuity and Change in Territorial Stratifications” held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Hoffmann, S., A., Krupnick, A. Bostrom and W.L. Adamowicz. 2003. “Household Decision Making and the Value of Children’s Health.” Presented at the American Agricultural Economics Association meeting “Spatial Inequality: Continuity and Change in Territorial Stratification” held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Hotz, J., B. Radke and J. Unterschultz. “Risk management for Pork Producers: Value at Risk.” Presented at the American Agricultural Economics Association annual meeting “Spatial Inequality: Continuity and Change in Territorial Stratifications” held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Hu, W., M. Veeman and W. Adamowicz. “Assessing How Different Genetically Modified Food Labelling Policies May Affect Consumers’ Choice Behaviour: A Canadian Case Study” Selected Paper presented at the International Symposium on Food Safety: Consumer, Trade and Regulation Issues. Hangzhou, Zhejiang, PR China, October 10-11, 2003.

Hu, W., W. Adamowicz, M. Veeman and A. Huennemeyer. “Genetically Modified Food Labelling and Consumer Choice for Bread.” Poster presented at the Alberta Agricultural Economics Association conference, Red Deer, May 1-2, 2003.

Hu, W., W. Adamowicz, M. Veeman and A. Huennemeyer. “Genetically Modified Food Labelling and Consumer Choice for Bread.” Poster presented at the Symposium 2003, Cooperative Program in Agricultural Marketing and Business, University of Alberta, Edmonton, June 3, 2003.

Hu, W., W. Adamowicz, M. Veeman and A. Huennemeyer. “Genetically Modified Food Labelling and

Consumer Choice for Bread.” Poster presented at the AICF symposium “From the Farm Gate to the Dinner Plate” November 2-4, 2003, Edmonton.

Hu, W., W. Adamowicz, M. Veeman and A. Huennemeyer. “Genetically Modified Food Labelling and Consumer Choice,” Selected Paper presented at the Canadian Agricultural Economics Society Workshop on the Economics of Food and Health, University of British Columbia, Vancouver, May 3, 2003.

Hu, W. M. Veeman, W.L. Adamowicz and A.J. Huennemeyer. “Reference Point Effects and Consumer Choices of GM Food.” Presented at the American Agricultural Economics Association annual meeting “Spatial Inequality: Continuity and Change in Territorial Stratifications” held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Huennemeyer, A., M. Veeman, W. Adamowicz and W. Hu. “GM Foods in Canada: Consumer Choice in the Context of Attitudes, Perceptions and Information” Selected Paper presented at the Canadian Agricultural Economics Society Workshop on the Economics of Food and Health, University of British Columbia, Vancouver, May 3, 2003.

Huennemeyer, A.J., W.L. Adamowicz, M. Veeman and W. Hu. “The Role of Information for Consumer Choices of Foods Containing Genetically Modified Ingredients,.” Presented at the American Agricultural Economics Association annual meeting “Spatial Inequality: Continuity and Change in Territorial Stratifications” held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Huygen, I., M. Lerohl and M. Veeman. “Cost implications of Alternative GM Tolerance Levels: Non-Genetically Modified Wheat in Western Canada.” Poster presented at the Alberta Agricultural Economics Association Conference, Red Deer, May 1-2, 2003.

Huygen, I., M. Lerohl and M. Veeman. “Cost implications of Alternative GM Tolerance Levels: Non-Genetically Modified Wheat in Western Canada.” Poster presented at the Symposium 2003, Cooperative Program in Agricultural Marketing and Business, University of Alberta, Edmonton, June 3, 2003.

Huygen, I., M. Veeman and M. Lerohl. “Cost Implications of Alternative GM Tolerance Levels: Non-Genetically Modified Wheat in Western Canada,.” Presented at the American Agricultural Economics Association annual meeting “Spatial Inequality: Continuity and Change in Territorial Stratifications” held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Jeffrey, S.R. “Is There any Safety in Safety Net Programs?” Invited Paper presented at the 2003 Alberta Agricultural Economics Association Conference, Red Deer, May, 2003.

Krogman N. and D. Davidson. “Sustainable Resource Management: Is this Relevant to Oil and Gas Resources in Alberta.” Presented at the American Agricultural Economics Association annual meeting “Spatial Inequality: Continuity and Change in Territorial Stratifications” held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Krogman, N., P. Smith, T. Allen and K. Vanevery. “Changes in Forestry Education to Integrate Social and Aboriginal Forestry: Focus Group Findings from Three Canadian Forestry Schools.” Presented at the Canadian Aboriginal Science and Technology Society Conference, Saskatoon, Saskatchewan. September 18-20, 2003.

- Lomeli, J., and E.W. Goddard. "Food Scares and Healthy Eating Awareness: Are These Two Factors Affecting Beef Demand in Canada?" Presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.
- Lomeli, J., and E.W. Goddard. "How Effective are Different Kinds of Advertising in Offsetting the Negative Effects of Food Scares and Health Concerns on Meat Demand in Canada?." Contributed Paper presented at the Food Distribution Research Society Annual Meeting, Biloxi, MS., October 26, 2003.
- Luckert, M.K. "Economic Challenges to Surveying in Household Livelihood Studies." Invited and sponsored presentation delivered to the Centre for International Forestry Research (CIFOR), Bogor, Indonesia, October, 2003.
- Luckert, M.K. "Environmental Conservation Where the Stakes are High: Household Livelihoods in Southern Africa." Invited by the Environmental Science Students' Association and presented as part of the Environmental and Conservation Awareness week. University of Alberta. Edmonton, Alberta, January, 2003.
- Luckert, M.K. "Household Livelihoods and Health in Southern Africa: How does AIDS affect Rational Decision Making." Invited presentation delivered to the Faculty of Medicine and Dentistry, University of Alberta, Edmonton. November, 2003.
- Luckert, M.K. "Impediments and opportunities of livelihood improvements in southern Africa." Invited and sponsored discussant presented at the VII International Rangelands Conference: Rangelands in the new Millennium. Durban, August, 2003.
- Luckert, M.K. "In Search of Policies for Pursuing Sustainable Forest Management." Invited presentation delivered to senior policy makers at Alberta Sustainable Resources Development. Edmonton, February, 2003.
- Luckert, M.K. "Past Present and Future African Projects in the Faculty of Agriculture Forestry and Home Economics." Invited presentation delivered to a roundtable with Steven Wallace, Director General of Policy Planning and Management, Africa Branch, CIDA. Edmonton, May, 2003.
- Luckert, M.K. "Rangeland Equilibrium/Nonequilibrium Debate." Invited and sponsored discussant presented at VII International Rangelands Conference: Rangelands in the new Millennium. Durban, July, 2003.
- Luckert, M.K. "Southern Africa Projects in the Department of Rural Economy: What we are doing and potential links to health." Invited presentation delivered to the Global Health Standing Committee, University of Alberta, Edmonton, August, 2003.
- Luckert, M.K. "A Young Forester's Role in the Changing World of Forestry." Invited by the University of Alberta 2003 graduating class to deliver the keynote address at their ring ceremony and graduation banquet. Edmonton, March, 2003.
- Luckert, M.K. and B. Campbell. "Seeking Livelihood Improvements From Rangelands in Southern Africa: Can we get there from here?." Invited and sponsored keynote presentation delivered to the VII International Rangelands Conference: Rangelands in the new Millennium. Durban, July, 2003.
- Luckert, M.K., B.M. Campbell and M. Mutamba. "Household Livelihoods in Semi-arid Regions: Is There a

Way out of Poverty?." Invited paper delivered at a seminar at Swedish International Development Agency and at Swedish Agricultural University, March, 2003.

Mendez-Manzanilla, J. and E. Goddard. "Effects of FDI for the Canadian Agri-Food Industry." Presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Mitchell, R. and Debra Davidson. "Log It or Leave It: Examining Democracy and Forestry in Oaxaca, Mexico." Presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Nadeau, S., T. Beckley, N. Krogman and J. Varghese. "Local Buyouts of Forest Product Mills: An Expression of Latent Capacity?" Presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Ng, D. "The Complexity of Social Interactions: Organizational Change and Performance." Paper presented at the Managing the Complex IV Conference, Fort Meyer, Florida, 2003.

Ng, D. "Determinants of Entrepreneurial Innovation in the New Knowledge Economy." Invited presentation for The Centre for Innovation Studies (THECIS) workshop, Telus Centre, Edmonton, Alberta, 2003.

Ng, D. "Knowledge Based View of Strategy: Entrepreneurship and the Management of Network Relations." Paper presented at the 24th Annual McMaster World Congress on Innovation and Intellectual Capital Conference, Hamilton, Ontario, 2003.

Ng, D. "A Socio-Cognitive Basis of Competitive Assessment: Cognitive Dissonance in and Around a Product/Market." Paper presented at the interactive paper session of 2003 Academy of Management Conference, Seattle, Washington, 2003.

Ng, D. "Understanding and Managing Value Chain Networks." Invited presentation at the Alberta Agricultural Economics Association Visions 2003 Conference, Red Deer, Alberta, 2003.

Ng, D. and J. Unterschultz. "Why Real Options in Agro-Biotechnology." Invited presentation at the Intellectual Property Workshop, Saskatoon, Saskatchewan 2003.

Pan, Y., R. and K.Z. Chen. "Consumer Preference Towards Calcium-enriched Vegetables." Abstract reviewed at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Panter, C. and E. Goddard. "Is More Generic Advertising the Solution to the Challenges Facing the Canadian Beef Industry?." Presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Qian, X., E. Goddard and K.Z. Chen. "Canadian Poultry Exports." Abstract reviewed at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural

Economics Society, Montreal, July 27-30, 2003.

Qian, E., K. Chen, and E. Goddard. "Impact of World Trade on the Canadian Poultry Market." Presented at the American Agricultural Economics Association annual meeting "Spatial Inequality: Continuity and Change in Territorial Stratifications" held jointly with the Rural Sociological Society and the Canadian Agricultural Economics Society, Montreal, July 27-30, 2003.

Richards, R., E. Goddard and K. Rice. "Electric Market Restructuring and Rural Development: Trans-border Issues for Montana and Alberta." Presented at the Association for Canadian Studies in the United States 17th Biennial Conference, Portland, Oregon, November 19-23, 2003.

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- Cash, S., D. Sunding and D. Zilberman. "Food Safety Policies: Science vs. Beliefs." International Symposium on Food Safety: Consumer, Trade, and Regulation Issues. Hangzhou, Zhejiang, PRChina, October 11, 2003. Presentation published in conference proceedings.
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Adamowicz, W.L. "Developing Computing Facilities for the Integration of Forest and Resource Management and Environmental Economics." Funded by CFI.

Adamowicz, W.L. "Legacy 2; Economic Sustainability: An Assessment of Criteria and Indicator Systems for Economic Components of Sustainable Forest Management." Funded by Sustainable Forest Management Network.

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- Chen, K.Z. “China’s Emerging Dairy Economy in the 21st Century: New Technologies, Market Development, and Rising Incomes.” Funded by EFF-SAS.
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- Chen, K.Z. “Consumer, Attitude, Perception and Acceptance Towards Credence Attributes of Canola Oil in Japan.” Funded by Genome Prairie.
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- Goddard, E.W. “Economic Analysis of Strategic Directions for the Alberta Cattle Industry.” Funded by Alberta Agricultural Research Institute.
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- Jeffrey, S.R. “Agricultural Management Strategies for Mitigation of GHG Emissions.” Funded by BIOCAP/SSHRC.
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- Jeffrey, S., D. Kaliel and F. Iwasiuk. “Economies of Scale in Alberta-Cow-Calf Production.” Funded by Ag and Food Council, IAMF.

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Place, F., B. Swallow, M. Veeman, M. Luckert. "ICRAF Linkage." Funded by CIDA.

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