

12

Mc Gill

Property of:
Please Return
to:

Prof. H. M. REISWIG : Redpath Museum
Mc GILL UNIVERSITY
859 Sherbrooke St. W.
Montreal, Quebec, CANADA
H3A 2K6

~~Ship on ^{Danforth Stairs} ~~Atl~~ ~~Star~~ Time~~

Eg.

~~1200 (noon) GMT =~~

~~= 0900 Ship Time (Atl ^{Danforth Stairs} ~~Star~~)~~

~~= 0800 Local Quebec Time~~

MCZ

8 Aug
1988

MCZ has on loan to Bill Austin 2-

<i>Famea occa</i>	<u>No Reg No? 21-18-01</u>	dry, 1 spec	out 27 Nov 1985
<i>Dactyloctenium pumilio</i>	<u>9178</u>	dry 1 spec	12 Dec 1985
<i>Eurete spinosum</i>	<u>9030</u>	dry 1 spec	"
<i>Regadrella</i> sp	<u>6420</u>	" "	"
<i>Eurete erectum</i>	<u>6187</u>	" "	"
<i>Hexactinella tubulosa</i>	<u>6251</u>	" "	"
"	<u>6154</u>	" "	"
<i>Famea occa</i>	<u>9507</u>	4 spec + 1 vial	
Rose		Labels + small pc + spec.	
<i>Rosella</i> sp	<u>6438a</u>	" "	11 Dec '85
<i>Hexactinella tubulosa</i>	<u>9022</u>	" " (2 pcs)	"
<i>Acanthascus cactus</i>	<u>9024</u>	" "	"
<i>Eurete erectum</i>	<u>6188</u>	dry 2 specs	"
<i>Dactyloctenium</i> sp	<u>9182</u>	dry 1 spec	"

MCZ - Not Seen
Specs on Loan

4-18-01

Famea occa.

9178

Dactylocladyx pumiceus

DRY

23° 05' N 79° 28' W

N. of Santa Clara prov., Cuba

255 fms. Atlantis sta 3436

May 2, 1939

9030

Eurosto spinosum.

DRY.

Albatross E. Pac. Ex.

Lbf. Sta. 4656

1904-5 Nov. 13

2222 fms

6420

Regadrella sp.

DRY.

Albatross exp.

sta. 3380

Phaeo
S. y. p. m. m.

[6187]

Eurete erectum

DRY

(Eurete erectum gracile)
Albatross Exped. sta. 3380

Pacific
S. of Panama

[6251]

Hexactinella tubulosa

DRY

Albatross sta. 3380

N 4° 3' 0 W 81° 31' 0
899 fms.

Pacific
S. of Panama

[6154]

Hexactinella tubulosa

DRY

Albatross sta. 3380

N. 4° 3' 0 W 81° 31' 0
899 fms.

Pacific
S. of Panama

[9507]

Favrea occa

DRY.

OCT. 21, 1904-05

Alb. Sta. 4621

[6438a]

Rossella sp.

DRY

Monterey pt.

[9022] Hexactinella tubulosa
Japan - deep water
OC 5702

DRY

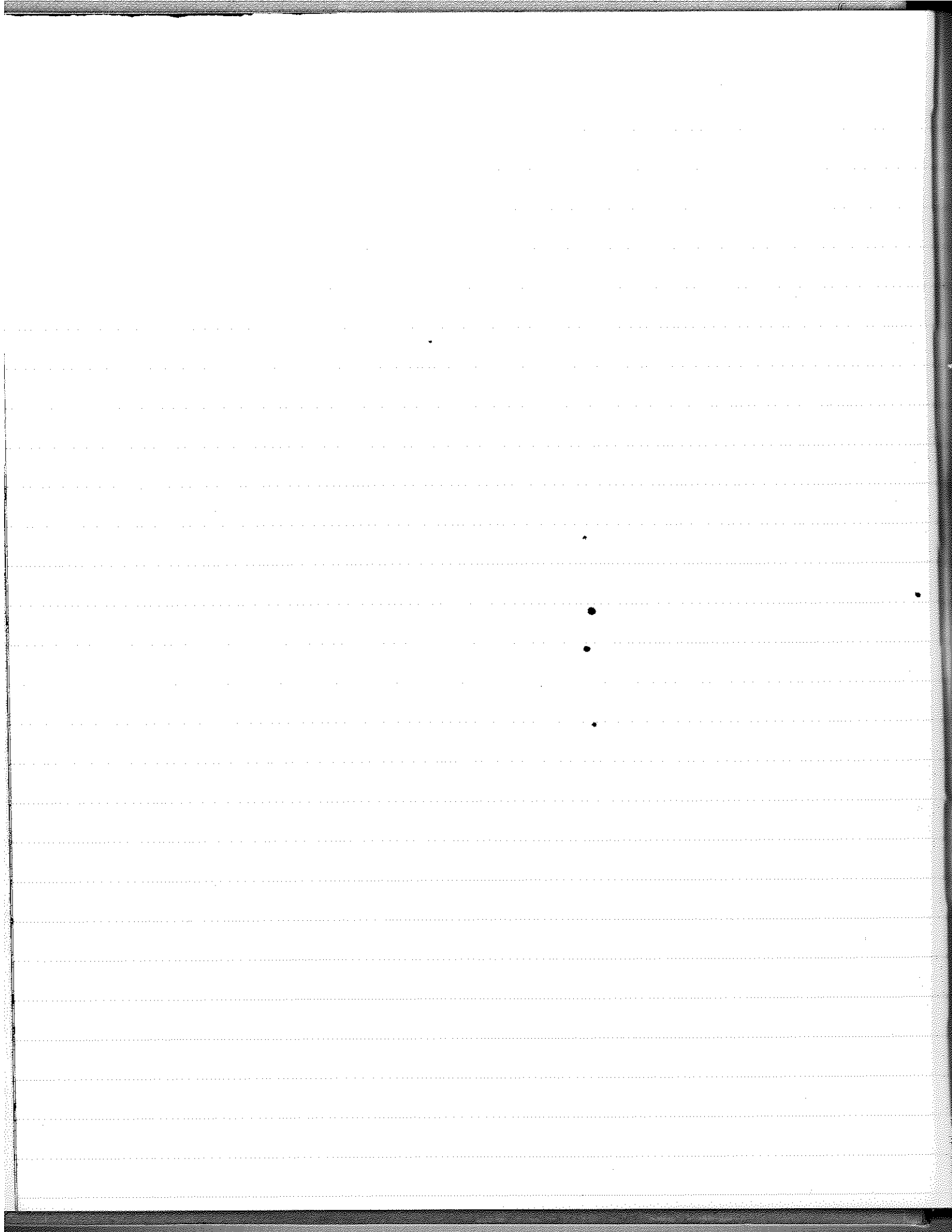
[9024] Acanthascus cactus
Sagami Bay, Japan

[6188] Eurete erectum
(Eurete erectum tubuliferum).
Albatross Exped. Sta. 3359?
2 specimens.

DRY

[9182] Dactylocalyx sp.
23° 05' N 82° 33' W
W. of Havana, Cuba.
260 fms.
Atlantis sta 3303
March 23, 1939

DRY



23
Jan
1989

modified ^{restored}
5/6/1989

Redp. Mus

1989

Surveyed Redp. Mus. "Regular" holdings of Hexacts.

Invert Collection Room. 3rd Flr.

Tray III RMI 1536 Hyalonema sieboldi
Glass Rope sponge

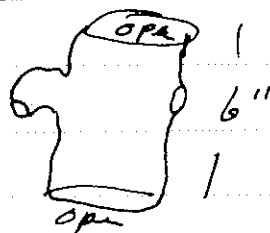
~~zanti~~
20" long spec
w ccws root + head

(dry)

[Cat card has: Hyalonema sieboldi (correct)]

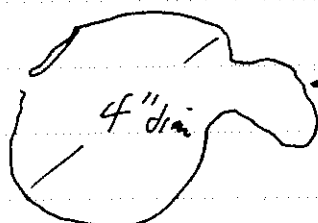
Tray II RMI 1068a
[Unid. Hex.]

clearly an ? Aphroc
Gold Vastus
Color (dry)
honeycomb



RMI 1068b
[Unid. Hex.]

another pc ? Aphroc
Gold color. Vastus
(Dry)
flat hollow mitten



Tray VII RMI 1095
Hyalonema sieboldi
Glass rope sponge, Japan
Donor: J.F. Whiteaves
McGill College Coll.

~~zanti~~
Root only on a board
ccws. (Dry)

RMI 1101a Euplectella speciosa (Dry) Clean SKel E. aspersillum:
~ 8" - No basals!

card for 1101a-c has

Euplectella speciosa
Philippines
Acc # 71
Dundurn Castle Museum.

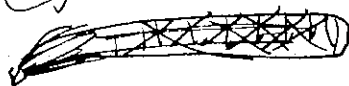


23 Jan
1989

Red Mtn

[1101 b] Euplectella speciosa
(see data above.)

9" (dry) clear SKel w bands



[1101 c] - see below - on display]

Tray [8] RMI [4038] Chonelasma calyx

sp. from 800 fm
Gulf of Georgia, B.C.
A.E. Hill BA. Sc.
New Westminster, B.C.

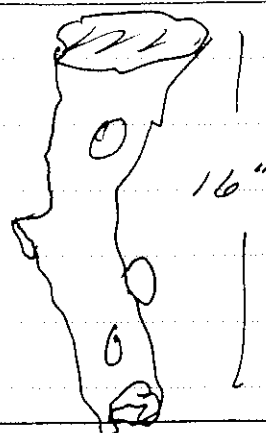
large

(Dry)

head

SKel.

lots of openings +
fouling.

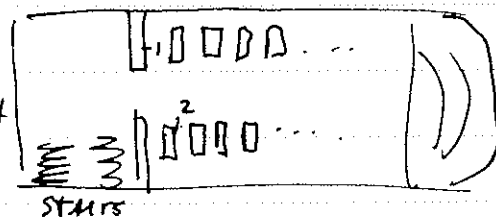


SPECIMENS ON DISPLAY: in Main Gallery

[? RMI [1097] display Loc ① →

[Euplectella speciosa]
on card
Miss D. Boyd
dry clean SKel
of E aspergilla
8" - No bands.

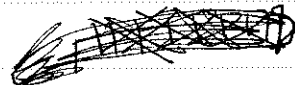
Frag



? RMI [1101 c]

Euplectella speciosa
see data above w 1101 a+b

(Dry) 10" clear SKel



RMI [74]

Hyalonema sielbodi (on card)

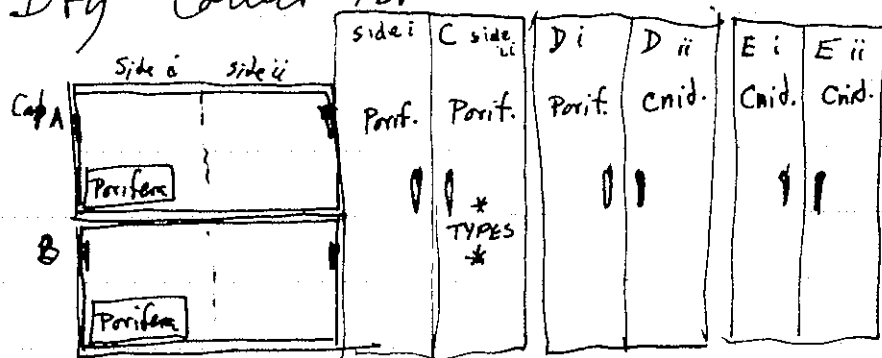
ACC No 71 Dundurn Castle Mus

bent up 7" long
CCWS root w/o contacts

END of Regular Collection except for HMR spec.

5 July 1989 Drove Down on 4th July in Ann. ~~Philad.~~ A.N.S.P
~~Philad.~~ Acad Nat Sciences - 3rd Floor - Inverts
 Earl on Vacation (Earl ~~Spencer~~) In to Museum at 9 AM. - RAIN Deluge!
 Art Bogan - Kid sick many be in / unlikely
 Ms. Vanessa (Molluscs) set me up in Earl's place.
 Ms. Andy Gorbay - Loan etc

Dry Collect 1st.



* includes Hyatt's types of Spongiids from Mass Nat Hist Society.

Potts' F.W. Sponge Collection in 2 cabs

Cabinet A

Side i Tray 1

U-5-1

DACTYLOCALYX subglobosus GRAY

COL. C. FEDIGER

(on a card)

Cap

10 cm Dia

89-7-5.1

3 phot.

Negs: 10:3:3:1-3

(Negs 10:4:2:2-4)

LOAN SPEC

[Best Guess:

Dactylocalyx pumiceus]

attach

unfouled

89-7-5.2

ANSP 1968

DACTYLOCALYX SUBGLOBOSUS GRAY

2 phot.

DR. S. L. LEWIS

Negs

10:3:3:4-5

10:4:1:1-5

2:1

Loan Spec

[Dactylocalyx pumiceus]

TRAY 7

U-5-2

HYALONGMA MIRABILIS GRAY

HAKODATI JAPAN

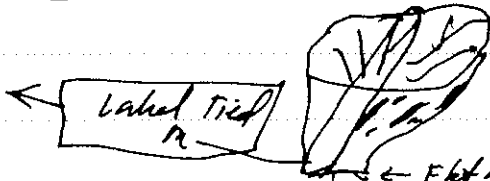
W.S.W. RUSENBORGER

(ON A CARD)

2 phot.

1 apicule

(side ii - Demospora only)



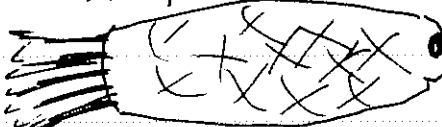
Label tied

light color

Flt attach.

looks live

? Type of Pheronema annae - see below



to move

body 10.5 cm, total length 14.0 cm

color brown

AN.S.P.

Cabinet B - no labels, only demogorgones

Cabinet C ^{side} i - no labels 1. Sponge overage

Mexico Exped 1890 (Yucatan)

S.W. Winckler coll. (Florida)

V. Robinson coll. (Cayados Is.) -
? Must be Indo-Pacific

Cabinet C

side ii

Tray 5

U-53

no phot.

Unid. Neg.

1 spec in 4 pis. Euplectella aspergillum
(prob. 1 spec.) ^{fairly certain} clearest skin

ANSP 938

~~U-54~~

Unid. Neg.

no phot.

[Japan F.H. Brown
(tie on label)]

Hyalonema

1 root tuft w/ gonotheca.
ccws spiral

U-5-4

HYALONEMA MIRABILIS GRAY

REV. E.W. LYLE JAPAN
(on card)

no phot

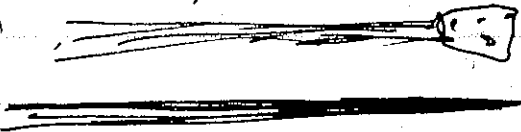
(Dr. Isaac Hays Colln.)

Dr. J. Minid Hays 1901

Hyalonema mirabilis Gray
(small paper label)

(paper label loose)

Hyalonema
6 root tufts, 1 with
complete head, 1 with partial
head - all ccws
10-14"



TRAY 6

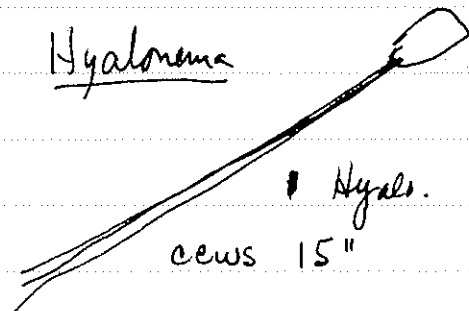
no phot.

U-5-5

Unid. Neg.

[Miss Gertrude Abbott
+ Miss ... Matlock 1928] paper
label tied on

Hyalonema



Hyals.

ccws 15"

1989

5 July

A.N.S.P.

12-20 cm

2037

HYALONEMA SIEBOLDI

no photo

[JR. HENRY ~~LOOMIS~~ JAPAN?
(paper label tied on)]

8 roots, all ccws,
no heads!

U-5-6 PO 5004 PHERONEMA GRAYI KENT

3rd phot. of letter

May 10:3:4:3-5
May 10:3:5:5
1 phot. spec 90-8-1.1

W.S. KENT (on card)

* Also letter from Saville Kent to Leidy dated 29.12.70

Smashed frog mess!

U-5-7

Unid. Heta

Albatross Sta. 5123

Off E. coast Mindoro, P.I.

Aus. Coll. # 1459

(paper label tied on)

20 short root tuft
specimens Hyalonema

(1-10 cm)

no phot.

U-5-8

Unid. Heta

Miss Gertrude Abbott
+ Miss ... Matlock 1928
(paper label tied on)

1 big Hyalonema root
23 inches, with granules
ccws

PO 5005 TRAY 7
U-5-9

89-7-5.3

2 Photos & spec
1 spec

May 10:3:4:1+2

PHERONEMA ANNAE GRIFF.

TYPE

SANTA CRUZ

R.E. GRIFFITH, MD.

on card

Pheronema annae Leidy

Specimen missing

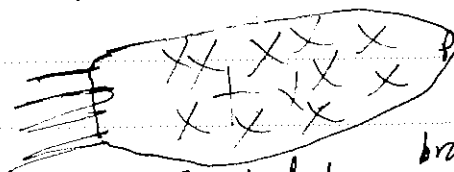
12 Nov. 1987

E. Spamer

on small paper label

No Spec -
Probably 26-5.2
alone
moved & here
Identify ven. field

took 1 spec & photo



10.5 cm body L
14.0 cm Tot L.

brown

END CAB C!

~~B~~A.N.S.P

5 July
1989

Cab. D, i Tray 5
U-5-10 Unid Her

no phot.

1 Beat up broken
Euplectella aspergillum
5" long

Cab. D ii - Cnidaria et al.

WET COLLECTION - NONE (2 shelves of demosponges
and unid. sponges)

Filled out Loan Form for the 2 Dactylocalyx specimens
for 3-mo Loans. - Finished up ca 2:30 on the 5th.
Went thru museum Displays ... Back to Motel.

* Leidy was President of the Academy June 1850's? 1860's?
1870's? -- & an gentle leading Palaeontologist.

Eric A. Lazo-Wasem

YPM Dry

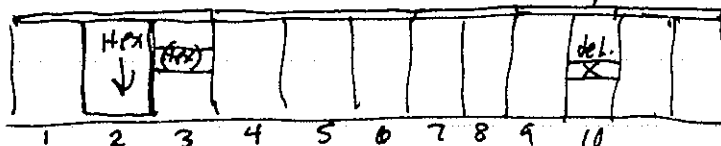
24 July
1989

YPM.

Dry sponges in Hall Cabinets Steel - Series of 12 Cabs

CAB. 2

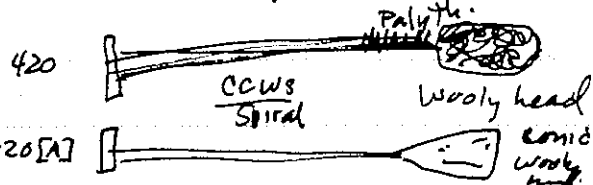
Tray 10



No 420
2 Photos (PMYC)
No frag
Negs 10:4:3:1+3
420
420 [Clearly 2 diff species]

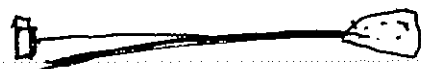
Hyalonema sieboldi Gr.
Japan; E.S. Morse Coll.
by exchg.

2 - 17" complete in a stand



550
1 photo
No frag
Neg 10:4:3:2
Hyalonema sieboldi
[No label - No Name]
[info from catalogue:]

Small hyalonema in stand
flattened reticulate-wood head



Cat *Hyalonema sieboldii*

Japan; Donr Prof O.C. March
April 30, 1888.

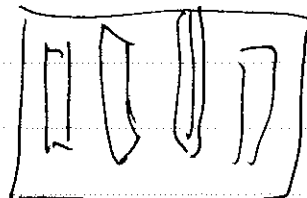
(HOAX)

Thin root tied up CCWS
Head is a demosponge!

area

92
93
1 Photo
No frag
Neg 10:4:3:4
Euplectella speciosa
Euplectella speciosa
Cebu I East Indies
Capt M.S. Porter

4 spec of *Eupl. asperg.*
in a cardboard



"Venus flower-basket. a sponge
composed of siliceous fibres. from
muddy bottom in deep water

Cat: 92 has 1 spec 93 has 3 spec; [No way to distinguish Now.]

1 photo
No frag
Neg 10:4:3:5
21-24-01 Unid
No Label

1 spec of *E. asperg.*
in a tray.



24 July
1989

YPM Dry

(Cab 2 cont)

Labels are: 1st: Box Top
inside: in box here

Tray 2 start.

YPM 592 Asconema setabulense "pauperata" Schulze

1 photo
1 frag.

89-7-24.1

Neg 10:4:4:1

Hexactinellid sponge; A.E.V.

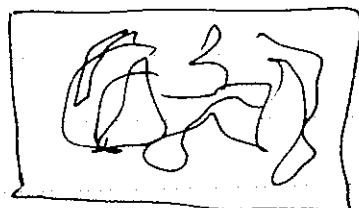
Entered 1907

Deposited by A.E. Verrill.

off Martha's Vineyard YPM 592

U.S.F.C. 1882 Sta. 1124

Shoe box of thin sheet
frags -



YPM 583 Calycosoma validum

2 photos
frag

89-7-24.2

Neg 10:4:4:2

Calycosoma validum

P.M.C. 583 off Martha's Vineyard 1885

F.C. → No. 4761

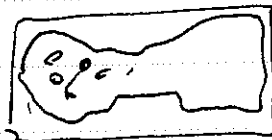
U.S.F.C. Sta 2573

1886

Deposited by A.E. Verrill

flattened sheet.

4x7" in box



(cat!)

YPM 565 Asconema setabulense pauperata Schulze

No Photo
No frags

~~frag~~

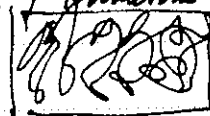
Asconema setabulense var. pauperata

off Martha's Vineyard

U.S.F.C. 1882 Sta 1124 P.M.C. 565

Deposited by A.E. Verrill

4x6 Box 7 Numerous thin sheet
frags.



No photo
No frags

YPM 566 Asconema sp

Asconema sp PMC 566

off Martha's Vineyard

U.S.F.C. 1882 Sta 1125

Deposited by A.E. Verrill

small fill box



4x5.5 cm



thin sheet
sponge - box

24 July
1984

(Tray 2 cont)

YPM Dry

YPM 579

Sympagella nux

4 x 5.5 cm Pill Box

1 photo

No frag

PMC 579 Sympagella nux O.S.

F.C.

No 4708

off Martha's Vineyard. 1886

U.S.F.C. Sta 2544

3 heads + stalk - Nice!



Neg 10:4:4:4

Deposited by A.E. Verrill

YPM 581 Euplectellidae

4 x 4 cm pill box

No Photo

No frag

P.M.C. 581 Euplectellidae

F.C. No 4689

off Martha's Vineyard 1886

U.S.F.C. Sta 2569



Small frag

4 Lysacome -

Could be an asconematid?

or anything

Unlikely a Euplectellid!

Deposited by A.E. Verrill

YPM 588 Sympagella nux

Low Pill box 4 x 1 cm

No Photo

No frags

Sympagella nux O.S.

PM No 588

off Martha's Vineyard

USFC 1882 Sta 1098

Dep. by A.E.V.

only stems - branches
~ 6 or 7. No heads

#1622 Unid

1 photo

No frags

U.S.F.C. Albatross Sta. 2228

"Hexactinellid sponge + Bryozoa

Not Divided / Res for Study

Box
Top

Wooden box



? Eurentid tube

frag -

long lead?

Neg 10:4:4:5

568 Sympagella nux Schmidt

Big Pill Box 10 x 5 cm

1 photo

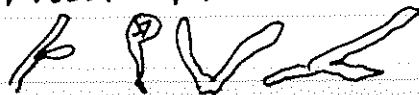
1 frag

PM 568 off Martha's Vineyard

USFC 1882 Sta 1109

Dep. A.E. Verrill

Full! of branches - huge
mass. No heads.



89-7-243

Neg 10:4:5:1

24 July
1989
Tray 2 cont

YPM Dry

YPM 564 Asconema setubalense Sav. Kent

Big Pill Box
10x5

1 photo
No frags.

P.M. No 564 Asconema setubalense Sav. Kent
off Martha's Vineyard
USFC 1882 Sta 1122

thin white
sheet fluted
~ 3 x 3 inches

Neg 10:4:5:2

Dep by A.E.V.

beautiful - surfaces intact!

U-24-02 Hyalonema sieboldii

Exhibit
Card:

The Glass Rope Sponge
(Hyalonema sieboldii)

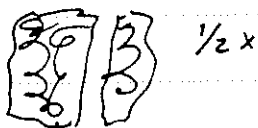
No photo
No frag

The "rope" of long spicules is embedded
in the mud of the sea floor during life
and serves as an anchoring support.

Living on deep muddy ocean bottom off
the Japanese coast.

O. C. Marsh, donor.

in open tray:



CCWS

Woody head + short
rope - head cut
in half

PM.Y.C. 522

Phoronema annae Leidy

No photo
No frag.

Santa Cruz Sta. 134 248 fath
Blake Exp. 1878-9 Alex Agass

Spec in
Mud filled
in open tray
(I.D.O.K)



YPM 586 Unid Hex

Big Pill box 10x5cm

No photo
No Frag.

US Fish Comm. "Bache" St: 21

~20 frags of best spec Lyssac.

~~Casco Bay~~ No 586 1873

eg:

Dep by A.E. Verrill

Cat Samp sta 21B

Would need to borrow entire thing when
come time to work Lyssacine unknowns.

Tray 2 cont

YPM Dry

24 July
1989

YPM 567

Sympagella nux Schmidt

Big Pill box 10x5cm

1 photo
No frag

Neg 10:4:5:3

Sympagella nux O.S.

PM 567 off Martha's Vineyard

USFC 1881 Loc. 1038

1/2 full of heads +
branches. Nice shape!
cat ~ 40 or more

Dep. by A.E. Verrill.

YPM 574

Euplectellide

Large Pill box 10x5cm

No Photo

No frag

(F.C. No 1597) N.M. P.M.C. 574

off Martha's Vineyard. 1884

USFC Sta 2229

Dep by A.E.V.

Mass of white silk hairs
Long! & a bit of mud.

Unsure if any body parts
Unsure if identifiable - but
Not Now.

YPM 589

Asconema setabulense Sav. Kent

Big Pill Box 10x5cm

1 photo
No frag

Neg 10:4:5:4

Asconema setabulensis Sav Kent

U.S.F.C. 213 P.M.C. 589

Casco Bay Feb 52-70 1873

Dep by A.E.V.

Thick-Wall Lyssene
folded & bent up but
OK. Mud filled

YPM

562

Sympagella nux Schmidt

Big Pill box 10x5cm

1 photo selection
No frag

Neg 10:4:5:5

No. 562 P.M. Sympagella nux O.S.

off Martha's Vineyard 1880

USFC. Sta. 872

Dep A.E. Verrill

Nice! Mix heads +
Mostly Stems - Stems are
Sometimes fused + thick Bundle of 10th
Column w Zoanthids here + there!

(basal stalks may be held together partly
by a limo sponge overgrowing them.)

24 July
1989

Tray 2 cont

YPM Dry

YPM 578 Sympagella nux Schmidt

No photo
No frag.

Sympagella nux O.S.
Sch. Grampus Aug 20
off Martha's Vineyard 1886
No 578 U.S.F.C. Sta.

Dep. by A.E. Verrill

Big Pill Box 10x5

Mostly stalks ~ #0 pcs
+ 1 frag heart.

(Not a lot)

(Some Demospy in them)

YPM 585 Unid Hex

No Photo
No frag.

St. 21B. U.S. Fish. Comm. P.M. No. 585

~~Casco Bay~~

1873

Dep by A.E. V.

in Sm Wood Cyl Box 6x3.5cm



x1

Coronae Lyssacinae -
most diast. ?

YPM 594 Euplectellidae

No Photo
No frag

No. 594 P.M. 5377 m.m.

Sta. 2714 U.S.F.C. Albatross 1886

Dep. by A.E. V. Euplectellide

Sm Wood Cyl Box 6x3.5cm

a thin tuft of
Clean silky Spicules -
hard to say anything Nov.

No Photo
No frag.

YPM 561 Asconema setubalense
v. pauperata F.E.S.

Sm Wood Cyl Box 6x3.5cm

3 small thin frags of

Asconema setubalense pauperata F.E.S.

Dep by A.E. V.

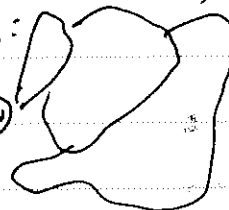
P.M.C. 561 USFC

Lot 687

Gloucester
Fisherman

Gloucester Fish
Lot 687
3 MAY 1880 Capt. T. Olson + crew
Sch. Epas Tarr.
44° 35' N 57° 20' W
125 fm

Lyssacinae:



x1

No Photo
No frag.

YPM 560 Asconema setubalense pauperata F.E.S.

Sm Wood Cyl Box 6x3.5cm

3 small frags -
White - Nice

U.S. Fish. Comm. Sta. 21B. P.M.C. 560

~~Casco Bay~~ Dep. By A.E. V.

1873

24 July
1989

YPM Dry

Tray 2 cont

YPM 580 Sympagella nux O.S.

No Photo
No frag

Sympagella nux O.S.
PM. 580 off Martha's Vineyard 1886
USFC Sta. 2545
Dep by AEV:

Sm wood Cyl Bx 6x3.5
~ 5 heads + stalks
good shape

YPM 569 Sympagella nux O.S.

No Photo
No frag.

Sympagella nux O.S.
PMC 569 off Martha's Vineyard.
USFC 1881 Loc 1043.
Dep by A.E.V.

Sm Wood Cyl box 6x3.5
1 head + 20 stalks
OK - good

Rest are in Glass Jars in Tray -

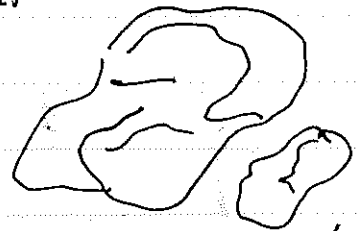
in Jar w/o Lid.

YPM 564 Asconema setubalense Sav. Kent

No Photo
No frag.

Asconema setubalense Sav Kent
off Martha's Vineyard USFC 1882
Sta 1122

No 564. off Martha's Vineyard.
USFC 1882 Sta 1122
Part of Larger Ex.
Dep A.E.V.



Nice Flake -!
Should be good for ID..

YPM 589 Asconema setubalense Sav. Kent.

No Photo
No frag

USFC 21B Asconema setubalense Sav. Kent
Casser Bay P.M.C. 589
E. Prineas 1873

Asconema setubalense Sav. Kent

Dep. by A.E. Verrill

Small Jar w Cork
~ 3 frags ~ 3mm thick
OK for ID?

24 July
1989 (Tray 2 cont)

YPM Dry

No Photo
No Frag

U-24-03 Unid ~~Hex~~

Sta 2354 USFC Str. Albatross
A.E.V.

Small glass vial w cork
Small frags of 
Lithothamnion, Desmophyllum,
& hex but washed out -
Prob Dactylopora?

(unlikely to work this over)

No Photo
No Frag

U-24-04 Unid...

in glass vial:

ON Desmophyllum crista-galli
No 4576

variety of things SMALL
including a flake of
Favosites, another hex base
... brachiopods, etc ...
Shell frags.

Unlikely to ever know what
this is from?

No photo
No Frag.

U-24-05 Unid Hex ^{A+N} A.E.V.?

7209 ~~ASB~~ A.E.V.
Sta 2228 US Fish Comm
Str Albatross Hexactinellid

Small glass vial w cork

x1

 Small basal pc of
hexact w superficial
pyrite? deposition on spico
Really nice beginning on just surface!
Washed out - Prob Not identifiable

END

TRAY 2

Start

Tray 3

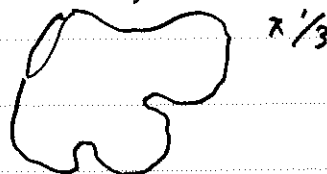
1 photo
No Frag

Neg 10:4:6:1

U-24-06 Unid Hex

Porifera. Hexactinellida
British Columbia - 1

Tray w Hand size
Mitten of ? A.V.



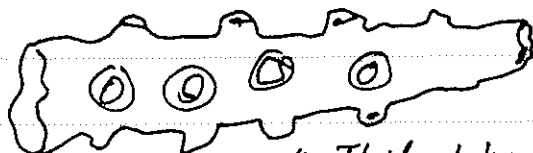
Spec. imp.: Aphrocallistes vastus

U-24-07 Unid Hex.

Loose in tray - huge Tuberosa

1 photo
No Frag

British Columbia - 2



17", Thick + hard.

Neg 10:4:6:2

Spec. Imp: Heterochone calyx

Tray 3 contd

YPM Dry

24 July
1989

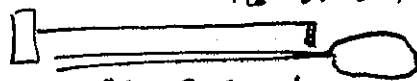
YPM 2393 Unid

1 photo
No frag

(No Label)

Neg 10:4:6:3

Hyalonema on Stand.
16" overall



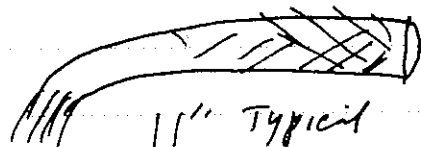
CCWS spiral
Head w superficial Lattice Case
internally wavy -
Heavily damaged Top & Rear.

U-24-08 Euplectella aspergillum

dry clean spec in Tray.

No photo
No frag

Probably Philippines



11" Typical

9340 & ~~W-14116A~~ Unid. Hex

6 Photo
Frag

Atlantis Cruise off Cuba 1949
No Station data; from MCZ

89-7-24.4

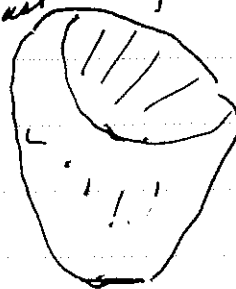
Loanett Mar
7/89

Neg 10:4:6:4+5, 10:5:1:1-5

? Is this Joanella Margaritella?

frag taken from bottom of box
> Iphitem panicea

intact
edge
band



in Tray:

Big Cup-funnel
Live

Eroded

Golden
Color

516 Dactylocaulus pumiceus (Stt.)

3 Photo

frag

Neg 10:5:2:4
10:5:3:1+2

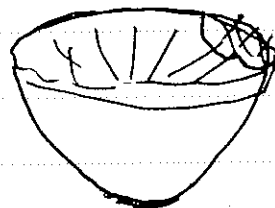
Barbados Stn 297 123 fm

Coll. Blake Exped 1878-79 Dry

No. 297
Depth 123 fms
Lat
Long Barbados.

NO Spicules in
two ~~ex~~ examinations.

Tray.
Nice med sized, Reg.
Shape spec - Base Missing
Eroded one side



↓ contd

24 July
1989

YPM Dry

3 photos
No frags

mess
10:5:3:3-5

515 Dactylocalyx callocyathus Sdt
Mylinisia callocyathus Gray.

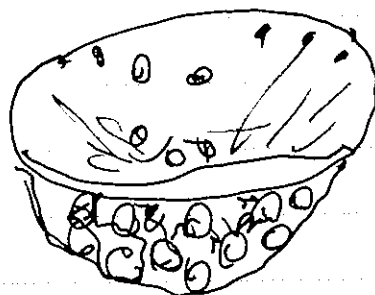
Tray

No 515 P.M.Y.C.

Dactylocalyx callocyathus Sdt
Barbados, Sta 297 123 fm.
Blake Exped. 1878-9

USC Surv.
CIC
4505 Bldg
A. Agassiz
1878-9

No. 297
Depth 123
Lat
Long Barbados



Nice Mylinisia but
? prob washed out.

No - it was dead some time before
collection - has small forms on surface.

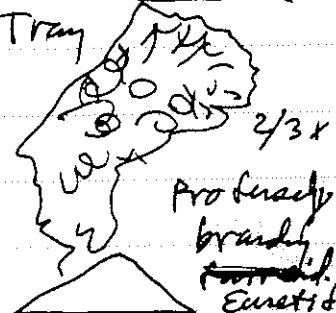
2 photos
No frags

mess
10:5:4:1+2

9140 Unid Hex

Philippines on Xenophora
Rec'd from Stan Rachootin June 1978

Tray



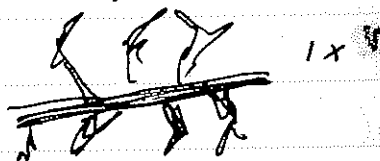
very interesting fusion sutures + secondary
interfaces w substrate - many are not completed!
Washed out - unlikely to get certain ID.

No photo
No frags.

U-24-10 Walteria leuckarti Ijima

Japan From H.A. Ward
AMNH No. 442 (Fragments)

2 frags about like this



No photo
No frags

U-24-11 Aphrocallistes vastus F.E. Schuchze

? Japan
AMNH # 409

2 small frags



washed out skel edges - look to me like this is
Not Aphrocallistes but Heterochone calyx!

YPM Dry

24 July
1985

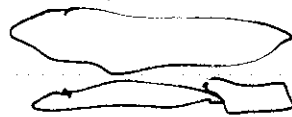
U-24-12 Unid Hex

No Phot
No Frag

USFC
Bache 1873

"HMR Note 1972: call it Hex for Now -
a mix of Hex + Stelletid + Mycale - etc
is it a sponge or crust of bottom matl? "

Tray



4-5 thin flakes
DARK!

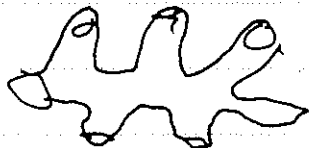
now: [likely to be Asconema but I don't want to do ^{the work} ~~it~~ Now]

517 Aphrocallote bocagei W.

No Phot
No Frag

No 517 P.M.Y.C. Aphrocallote bocagei W.
Blake Exp 1878-9.
No Loc. given [says cat]

4-5 frags



Dead, washed out &
eroded skeletons

No phot U-24-13 Unid Hex.

89-7-24.6

Loaned to HMR
7/89

Hexactinellida

Like to borrow this!

Tray w/ fragments
of Margaritella - like
Sponge - White - Not Orange
> Iphitem panicea

No phot
No frag

U-24-14 Unid Hex.

Hexactinellida - No data
Prob off New England.

2 flakes of
? Asconema?
Would need to do. - why?

End Tray 3.

- start Tray 4 over.

END Day 24 July

25 July
1989

YPM Dry.

No photo
No frag

U-25-01 Euplectella
(No Label) except card

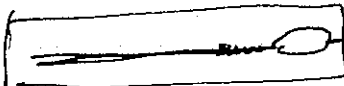
Tray of 5 cleaned
E. aspersillum specs - OK.

1 photo
No frag
NY 10.5.4.3

U-25-02 Hyalonema sieboldii

"Glass Rope Sponge"
Hyalonema sieboldii
from muddy bottoms in deep oceans
Japan E. S. Morse

one spec on wood sheet


ccws Compact head slide
from root.

No photo
No frag

U-25-03 Unid Hex
(No Label)

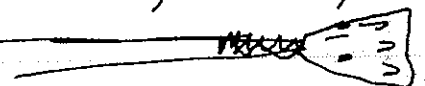
Loos Root of Hyalonema
with palythra - No head
ccws. 15"

1 photo
No frag
NY 10.5.4.4

3167 Hyalonema sieboldii
Recent Japan C33

Tray w 1 spec
clearly a manufacture

HOAX.


ccws Thick Root Callus head

No Photo
No frag.

U-25-04 Hyalonema sieboldii
Glass Rope sponge C32
Japan

Tray w
one Root - 10"
ccws + palythra

No photo
No frag

U-25-05 Euplectella speciosa
Venus Flower Basket.... display card w
description of skel
Cebu Is, East Indies
Capt. M. S. Porter Coll

Tray w 2 skels
of E. aspersillum
8-9°

YPM Dry

25 July
1989

U-25-06

Unid

Tray w

1 photo
No frag.

Neg
10:5:4:5

Sta. 28 II-7-50 [N] [W]

Pioneer Sea Mount 37°21' 123°25'

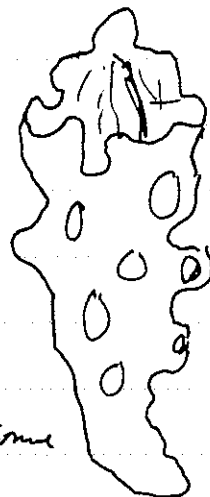
600-450 fm. +37.35° -123.42°

1140-1240 Duration of Haul.

12" Round Dredge Bottom Spg Skel.

[California]

Dead skel of thick Dictyonema



x 1/2

534

Asconema kentii Sdt

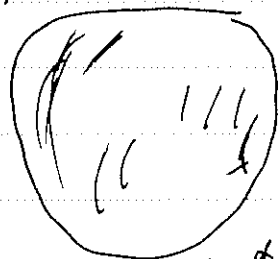
Massive flattened
Lyssacene

1 photo
No frag
Neg 10:5:5:1

Santa Cruz Sta # 130

451 fms

Coll. Blake Exp 1898-79 Dry



1/3 x

No prep 1988

U-25-07

Unid Hex

Tray w 8 frags

No photo
No frags

No Label

"33061" inked on spec.

[? is this U.S.N.M. ?]

of Dictyonemes + some
Tufts of ? root spines of
a phoronemoid ? -

Probably this is Junk - Nothing useful contained here +
Probably never identifiable

U-25-08

Unid

Tray w 8 frags of
1-4 cm size

1 photo
No frag.

Loc. 22 (C.A.S.)

Sept 29 1949 400 fath

Thick coarse Dictyoneme -
? Heterochone ? Dead &
long washed out - Maybe 2
species here but ?

Neg
10:5:5:2

N. Lat 37°48'40" ; W Long 123°23'

8 mi W of Farney Shoal +37.81° -123.38°

Dept Paler Calif Acad Sci

25 July
1989

YPM Dry

U-25-09 Unid Hex

No photo
No frag.

CAS Sta 22

4 small frags
of *Lyssacina*



Unlikely to do anything with

END Tray 4

START Tray 5

U-25-10 Unid Hex

1 photo
No frag.

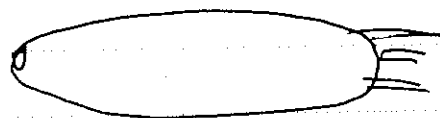
Neg 10:5:5:3

ATLantis 1949

Cruise off Cuba

No station Data; from MCZ

Tray w/ largest
P. annae 8"



U-25-11

Unid Hex

2 photos
No frag

89-7-25-11
Neg 10:5:5:4-5

ATLantis 39
Stat. 3430
from MCZ

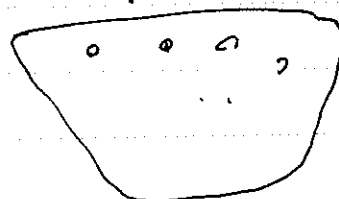
~~89-7-25-11~~
Stat: 1 May 1939
22° 59' N
79° 29' W
235 fm
CUBA

[Species like U-25-16]

Tray: Large Plate of

D. pumiceus - washed out?

Maybe still
has spic



8" across

U-25-12 *Dactylocalyx Pumiceus*

MCZ No. 6132 *Dactylocalyx Pumiceus* Stt

1 photo
No frags.

Neg 10:5:6:1

Tray of 12 +

large 2-4 cm frags.

9 *D. p.* + 3 are *Mytilus*

Most dead & washed out.

one *D. p.* as *Cylindrus*! short

a) Neg 10:6:1:3-5

Tray 5 cont'd

YPM Dry

25 July
1989

U-25-13 Unid Hex

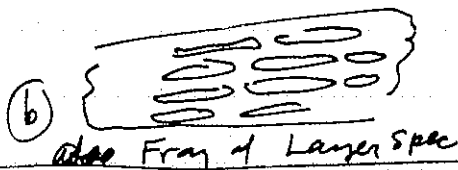
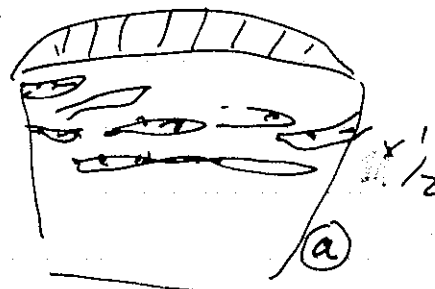
1 photo
frag

89-7-25.2

Mag 10:5:6:2-6

Atlantic Cruise 1949
off Cuba; No Station Data
from MCZ

pale-
Yellow
color.



Med Sized LIVE SPEC of Syringidini
zittelli. looks like = Leptogelke decora

U-25-14 Unid hex.

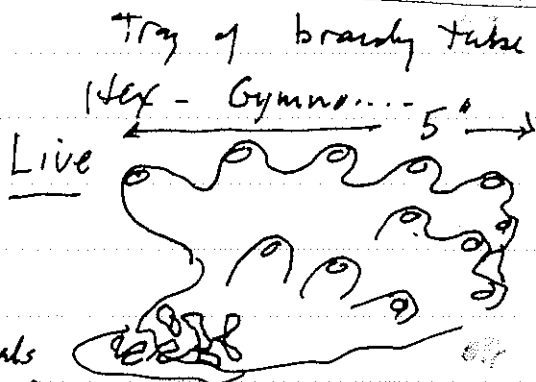
1 photo
frag

89-7-25.3

Mag 10:6:1:1

M.C.Z. Cambridge
Fungiophylina submersa
off Dominica, W.I. 110 fms

Tretodictyid
SKel Canals
Under Flask.



U-25-15 Dactylocalyx

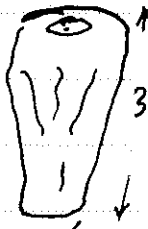
1 photo
frag

89-7-25.4

Mag 10:6:1:2

Atlantic Cruise off Cuba 1949
No Station Data; from MCZ
Dactylocalyx

Tray - 2 Med
* Cylindrical spec
of D.p + some frags.
one is very Nice
Will need loan for morph.



USP [spec like U-25-16]

YPM 9839

~~XXXXXX~~ Unid

Atlantic Cruise off Cuba 1949
No Precise Data.
Perhaps Sta. 3432 (this is #39)
from MCZ

(a) Tray w Beautiful
Spec of Dact. panic
Conic - near tubule
Clearly a Strong Variant
if indeed it is
D. panic - may not be



Sp (Spec props made - Temporary)

(b) Foreign post-Box

Loaned to AMR
9/89

Will have to borrow to check it
Has frags of Syringidini in Vestibule!
pale yellow color

25 July
1989

YPM Dry

U-25-17 Unid. Hex.

1 photo
frag
89-7-258
neg 10:6:2:1

Atlantis cruise off Cuba 1949
No precise data, May be Sta. 3432
from MCZ

SP [spec prep temp as U-25-16]

Tray w 1 *Dactyloc. pumic.*?

Near Tubular
open one side

Specs?

Nice for Morph.



U-25-18 Unid. Hex

1 photo
frag
89-7-259
neg 10:6:2:2

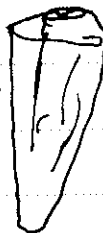
Atlantis cruise
off Cuba 1949 - No precise Data
May be Sta. 3432; from MCZ

[Specs like U-25-16]

Tray 1 near tubular

D.p.

Top edge eroded
Med? OK for Morph.



U-25-19. Unid. Hex.

1 photo
frag
89-7-2510
neg 10:6:2:3

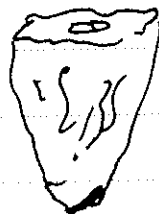
Atlantis cruise off Cuba 1949
No precise data; Perhaps Sta 3432
from MCZ

[Specs like U-25-16]

Tray w 1 D.P.

Conic - top eroded
& broken

Prob Not good for
Morph -
attach with frag



No Photo
No frag.

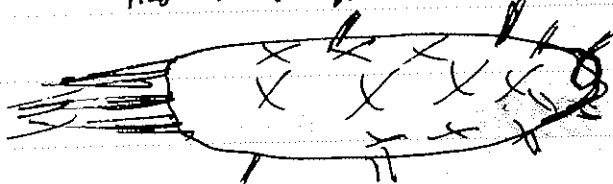
U-25-20 *Pheronema annae* Leidy

off Cuba
Atlantis 1949
No Sta No.

Tray w 1 P.a.

brown 5 1/2" long - Good.

has distal tufts? - Nice!



U-25-21 Unid. Hex.

2 photo
frag
10:6:3:4-5
neg 10:6:2:4
89-7-2511

Atlantis Cruise off Cuba 1949
No precise data
Perhaps Sta. 3432
from MCZ

Tray w 1 spec.

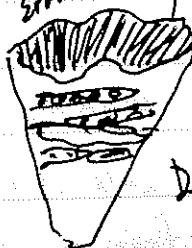
Eroded edge

? *Syringidium*

? Live at top half.

live

Dead > *Lefroyella decora*



YPM Dry

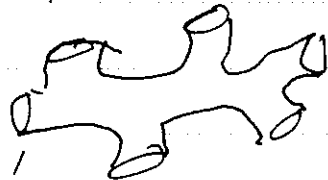
25 July
1989

U-25-22 *Farrea facunda*

1 photo
No frags
Neg 10:6:3:2

West Indies 100-400 fm
Blake or Albatross?

Tray w 4 mixed frags
4 farreid? Emetid?



Would need loan - Frags Not
good enough!

Has tissues
- Would be good for study!

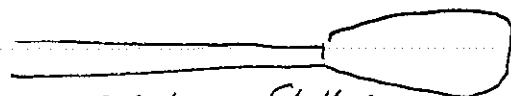
U-25-23_{A+B} Unid Hex

1 photo
No frags
Neg 10:6:3:3

No data.
Probably Blake Mat'l

Tray w (A) 1 small Hydrom
& (B) 1 dead Emetid Tube

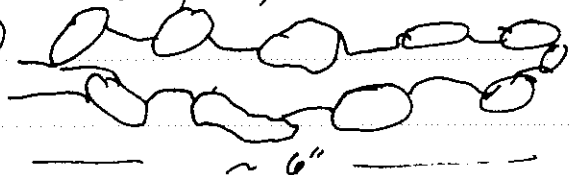
(A)



7" long flattened Hydrom
Thick root - only slightly cws

? This is getting very near *Sericolophus* root type

(B)



Emetid
Hollow - dead
foaled.

U-25-24 Unid Hex

1 photo
No frags

Atlantis Cruise off Cuba 1949
No precise data
May be sta. 3432; from MCZ

Tray w small Tubular

D.p. - Live
dull yellow color
Attach - *Archis* shell



x 1/2

Good for morph

89-7-25.12
Neg 10:6:3:4

3432?? with others so labelled
[Specs like U-25-16]

U-25-25 *Aphrocalliata?* sp.

Tray of Mix

1 photo
No frags

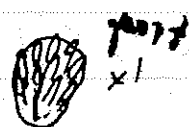
Blake Exped Na 269
Depth 124 fm
St Vincent.

(b,c,d,e) 4 pcs D. pum. ~ 1 x 3 cm

(f) 1 L. threated

(g) 1 demosp

(a) 1 ? Volvulina



x 1

(b) specs - see cards

Need loan to subdivide

+ minifrag

89-7-25.13
89-7-25.14
Neg 10:6:3:5

END Roll 2

25 July
1989

YPM - Dry

No photo
No frags.

U-25-26 Unid Hex

No data
Probably Blake Matl

Small Tray w ~ 20
PCS of mainly Aph. beatrix.
but a few pcs of others also
with ? spics in some - but most dead

End Tray 5

Start Tray 6

new Film Roll 3

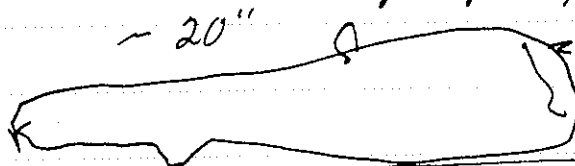
U-25-27 Unid Hex

British Columbia - 3

1 photo
No frag

Neg 10:6:4:1

Clearly a big
R. d. but need spics
before pushing this name



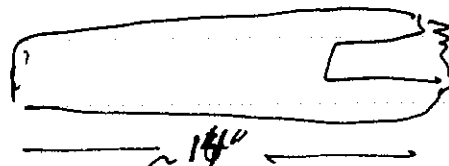
U-25-28 Unid Hex

1 photo
frag

89-7-25.15
Neg 10:6:4:2

Between Pt Sur + Pt Pinos
off Monterey Co, Calif 80-100 fm
Brought by Fisherman
Donor. D.P. Abbott.

Tray w med-sized
boot - Stauro?
Need Spic Prep.



U-25-29 Dactylocladyx pumiceus Stutchbury

off Cuba; Atlantis 1949

Atlantis 1949 Cruise off Cuba
No stat. data; from MCZ

2 LARGE PCS
of D.P. - Gold * (a)
Live
Huge

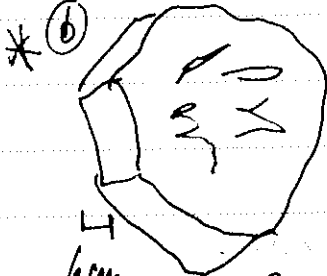
* Superior Spicula

~8 photos
Frag (a)

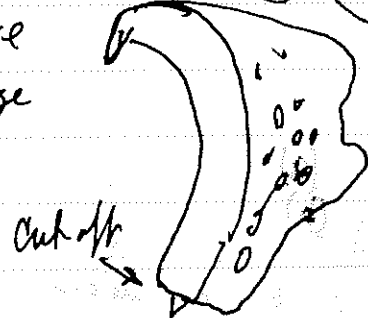
89-7-25.16
89-7-25.17

Neg 10:6:4:3-5
5:1-5

all spics like U-25-16
but later ? or younger



McKean Taper.



House 2

Press Print from left spics!

YPM - Dm

Wonderful
This spec has
"Great" spicules
"Good" of all categories

25 July
1989

U-25-30 Unid Hex.

1 photo
~~10~~ frags

89-7-25.18

Neg 10:6:6:1

Atlantic 1949 Cruise off Cuba
No Status Data
from MCZ.

Strong Removal for Photo.

* Absolute Must * Loan
for Morph some time!

Spies ±
like
U-25-16

Geodia
base

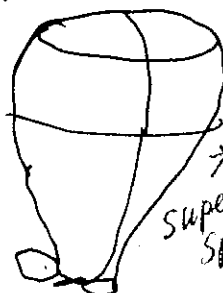
but considerable # of rhyolites

Tray w 1 spec

Goblet shape D. P.

Regular

W Base



* Super for
Spicules

MINUS

END TRAY 6

start Tray 7

U-25-31

Unid Hex

No Photo
No frag

No label

Tray w 2

Eupl. asperillum
clean skel 9"

No photo
No frag

U-25-32

Unid Hex

No label

Tray w 2

Eupl. asperillum
clean skels 9"

U-25-33

Euplectella suberea

Tray: 1 clean skel of

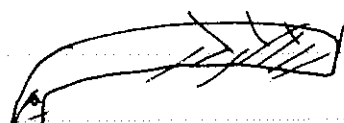
No photo
No frag.

So. of Singapore

Singkep Llinga Archipelago

Coll. Mrs Millicent Todd Bingham 1901

E. asperillum



2
~~10~~ Photos
No frags

Neg 10:6:6:2-3

U-25-34

Unid Hex

3910

BOC

Numerical Order

Tray w 6 frags of

huge D.p. - broke by dead +

Washed out - Much too small +

Broken up / fractured for morph.

Probably rolled + smashed
May ask to use in
chopping up.

! Delicate! fragile! - clean growth radial
Strands of skel.



25 July
1989

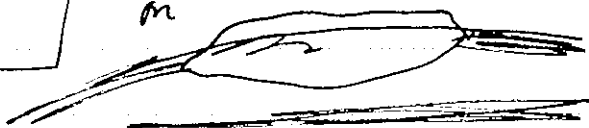
YPM - Dry

U-25-35 Unit. Hex.

No photo
No frag

Atlantic 1949 Cruise off Cuba
No Station Data
from MCZ

Tray w 2 bundles
of Hydromera root -
one w Massine ? Densops
on



both CCWS.

No photo
No frag

U-25-36 Unit Hex

3910 BOC

Med Small Tray of
~ 100 D.P. frags - all broken up.
Relate to U-25-34 above

592 Asconema setubalense var pauperata F.E.S.

No photo
No frag.

off Martha's Vineyard -
USFC 1882 Sta. 1124

Dep. by A.E. Verrill -

Tray w ~ 30 plates of
Thin Lyssacine

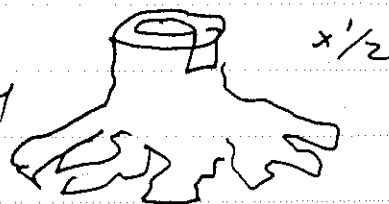
1 Photo
No frag.
Neg 10:6:6:4

YPM 8684

Aphrocalliste whiteavesianus Lambe

British Columbia Dry
Reel from W. Bergmann

Tray -
Nice broad piece of
A.V.

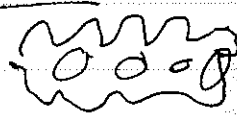


No Photo
No Frag

U-25-37 Unit Hex

No DATA

Sm Tray: Pos: Aphroc. beatrix
long dead + Washed out
honeycomb



No photo
No frag.

508

Unit Hex

Cup sponge
Fishing Banks
Halifax Museum.

part of a large fan spec
in Halifax area

Pen writing - approx reading

Tray: Small frag of
wooly sponge glued to
a wire stand.

Lyssacine
? enough for ID
ever?



Duplic Cat#
here.
Cat sample Hircinia purpurea Figs by JHE. Nassau 1880

YPM Dry

25 July
1989

572 Rossellide

No photo
No frag.

P.M.C. 572 off Martha's Vineyard.
1883 USFC. Sta 2064

Dep by A.E. Verrill

Rossellide

Sm. Tray w 2 small

Spicule balls - 2 cm size
Lyssans.

519 *Johannella compressa* Sdt.

Sm Tray

3 Photos

frag.

89.7-25.19

LOANED
★
7/89

Neg 10:6:6:5
10:7:1:1-2

No 519 P.M.Y.C.

Johannella compressa Sdt.

Santiago, Cuba

Blake Exped 1880

U.S. C. Surv.
Exp. ATL. Co.
H.C.S. Blake
A. Agassiz

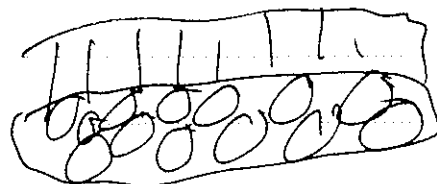
Bartlett

No V.

Depth 288 fm

Lat. Santiago ← [Label Perforated]

Long. Cuba



Small 3-4 cm x 1 cm
Set of conical tubes.

Back of Label w Schmidt's handwritten Name desig.

No Photo
No frag.

91 *Hyalonema sieboldii*

Glass tube

So called "glass coral"

Rec'd from Dr. McGorman, ^{Loc.} Japan

Spicule of *Hyalonema sieboldii* Gray

w 1 root spicule

Cat says: Japan; J.G. Brush. Japan

Mass: Box w 8 vials + 2 pill Boxes Following:

561 ~~561~~ ~~561~~ Unid Hex.

No P
No F

USFC Lot 687 Spicules
Cat No 561

Vial w small tuft
of spicules ~~1~~ x1

Cat: Gloucester Fisherman lot 687

YPM
[see 561 earlier also]

↓

see

25 July
1989

YPM Dry

Box Vial Contd

No P.
No F.

567 Unid Hex

USFC 1881 off Martha's Vineyard
Loc. 1038

Vial w

~~XXXX~~ stalk & spines
Prob S. nux

No P.
No F.

568 Unid Hex

off Martha's Vineyard
USFC 1881 Loc 1109
No 568

Vial w stalk
Prob S. nux

(Cat. Samp 1882)

No P.
No F.

565 Unid. Hex.

off Martha's Vineyard
USFC 1882 Sta 1124
Cat No 565

Vial w tuft of spines

~~XXXX~~ x1

No P.
No F.

559 Unid Hex

US Fish Comm. Spruce Spicules
Cocoa Bay 21B 1873
[Cat] hexact (Tetilla)

Vial w invisible
spicules - Few!

No P.
No F.

563 Unid Hex

Sta. 895 US Fish Comm.
Steamer ~~Atlatl~~ 1880
Spruce Spicules

Vial w Pile of
Spruce spines

~~XXXX~~

No P.
No F.

564 Unid Hex

off Martha's Vineyard
USFC. 1882 Sta 1122
Spicules

Vial w spic pad

~~XXXX~~ 1x

No P.
No F.

U-25-38 Unid. Hex.

Hexactinellid spicules
off Martha's Vineyard 188..
USFC Sta 2064

Vial w small spic
tuft x1.

YPM Dry

25 July
1989

Cont. vial Box:

No P.
No F.

560 Unid. Hex

U.S.F.C. ^{Sta} 21B. Y.M. No 560
Cacao Bay. fath. 1873

Pill box w
Pad of ^{silky} spines



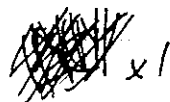
566

No P.
No F.

Sponge spicules TOP

Hexactinellid sponge.
Vineyard Sound.
USFC 1882 Sta. 1125
Cat No. 566

Smaller Pill Box
a few spicules
as matt -



 End Tray 7
Start Tray 8

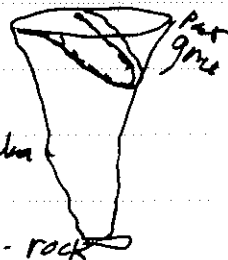
- Deep. + Last of Cabinet

U-25-39 Unid. Hex.

Tray w 1 D.P.

Atlantis Cruise 1949 off Cuba
No Station data
From MCZ

Med-Large Cone
Light Yellow color
Live



3 phot
frag.

89-7-25.20
Neg: 10:7:1:3-5

[Spine like U-25-11 but lot of G + S rays + oxyhex] * Superior
Rich in Spicules! esp Regular
Cos
Another "Must" for Morphogen.
Based Attack - rock

U-25-40 Unid. Hex.

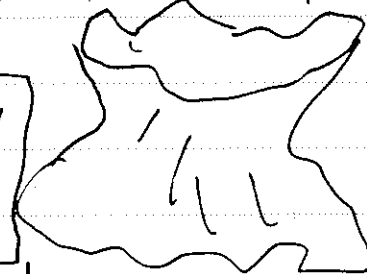
Tray w Huge Fluted
Hex Skel - Dead

Will - a bit of sponge + associated fauna.
Don sends greeting. From

1 photo
No frags

Neg 10:7:2:1

Don - 180-200 fms. 10mi NW of Fort Bragg Calif
March 31, 1952 (Longline set in bottom for
black cod.



Will - it's all yours. I got it too late to
Preserve a piece in fresh condition. Don
Spec. was given to me by Julius B. Phillips
of Cal. Fish & Game. Julie

Roots & Holes
lots of adherent
fauna.

25 July
1989

YPM Dry

U-25-41 Unid Hex

Tray w Huge
cup of Roasts

3 photo
No frag

Neg 10:7:2:2-4

Station No 22

9/29/49 400 fms $+37.81^{\circ}$ -123.38°

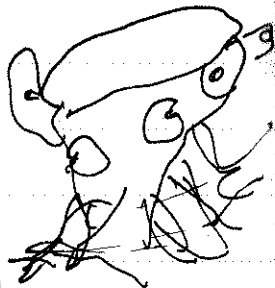
N Lat $37^{\circ}48'40''$; W Long $123^{\circ}23'$

Fanny Shoal bears 90° T

8 miles distance

Office of Naval Research Contract N9 onr 94400

Calif Acad Sci.



Vlined long w Sinuositie inside
Vlined Dendritic outside
Retic



U-25-42 Unid Hex

Tray Dark Roast

2 Photo
No frag.

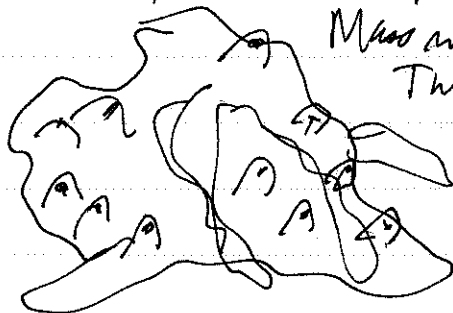
Neg 10:7:2:5
" 3:1

Sta 25

S.S. Mullberry.

? Dillon Beach

Mass w open
Tubules.



END Tray 8 - END Cabinet 2

Start Tray 4 Cabinet 3 "Misc Spgs."

U-25-43 Euplectella

Wood stand w 1 Eupl. aspers.
clean skel

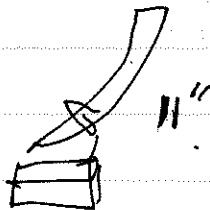
No Photo
No Frag

(Venus flower basket)

Recent deep water

Cebu. Dep by A.E. Verrill.

written
on bottom



YPM Dry

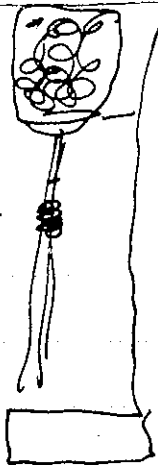
U-25-44 Hyalomema

No photo
No frags

Hyalomema (glass sponge)
Recent - deep water

Display stand
Woody head - only a
Tad of dermal network
Coarse!

Paly.
CCWS
13"
overall



U-25-45 Aphrocallista sp.

Aphrocallista sp.

It has
spicules

2 photos.
No frags

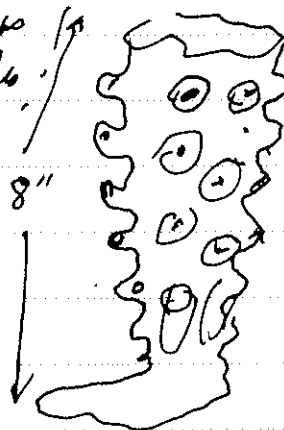
No other info.

Heterochone

Neg 10:7:3:2-3

(This is probably Chondrasia)

Temp spec prep: Heterochone calyx!



Dense
Vase w
lateral
fistulae &
tubercles
Venation is
light.

END Tray 3 Cab 2

MM

Cab 10 MW de Laub. Estate

Tray 5

U-25-46 Unid Hex

(No Label)

3
photos
No frags

Neg 10:7:3:4-5
" " 4:1

Definitely Need to

* Sort + Identify some day

Many have spicules contrary to assumption - but need great
Experience & familiarity w Dictyonina genera & skel forms before
Value will be available from inspection.

Photos - flat ones - 2 sides - frame 1-2
tubular - one view frame 3

Tray of Misc ~ 10 pcs
Hexact dictyonina spels
- Some like Oxyrhizium - etc.
Farreids, etc ... all look
washed out.

2 25 July
1989

YPM - Wet Start

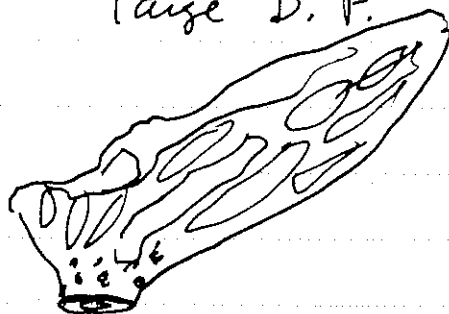
U-25-47 Unid Hex

R/V Gosnold

Station 39 18/3/67

Norseman Bank 350 m
I.G.

1 Gal Jar
large D. P.



2 photo
frag

89-7-25-2

Neg 10:7:4:2-3

? Margaritella or Nearly Dactyloeclyx
Virtually intermediate! Wow

~~Could Not~~ ~~Open~~

U-25-48 Unid Hex

GOSN. 16 - Label in

R/V Gosnold Sta 36 Label in

GOSN 16 (cap.)

1 pt S.C. Jar
in 100 frags of Farreil
in

No Phot
No frag

U-25-49 Unid Hex

Cap: GOSN - 15

Porifera

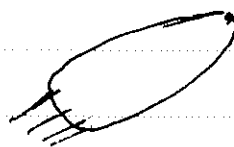
R/V Gosnold Stn 32 17-3-67

E of Morant Pt

Coll. I. Goodbody

1/2 pt Jar SC

Small 2" long Ph.
annee.



No Phot
No frag.

U-25-50 Unid Hex

Cap: GOSN - 26

Label: Gosnold Sta 36

Label GOSN. 26

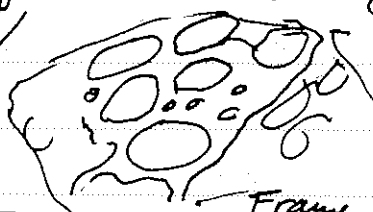
1/2 pt Jar SC

Crude
Lace
Cup -
?

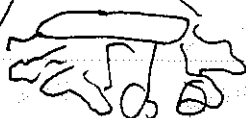
Joanella like

Frame in
Dictyonine + Not Lych

Reg 6 cubic Frame -
Eutectid - but may be Demosp. intrate



Dead + Invaded



2 Phot.
No frag

Neg 10:7:4:4-5

would need to borrow whole
to try ID - Hold off for now.

Neg 10:7:5:4

YPM

Wet

25 July
1989

C + d remain w

9341

part c+d

W-2551

Unid Hex

1 photo

Frags -a
-b

89-7-25-23

Loaned c+d HUR
7/89

Cap: Gosn. 23

Label Gosn. 23

Robert Gosnell # 37

are Cyrtanura
Hypersilicified +

Fanned
lacy.

Band
plate
Lychmiskid!

Superficial
spray
tube domes.

Sympagella nux
file

7559

Sympagella nux (So Filed)

1 pt Jar
Full of stems.

No Photo
No Frags

off M. Vin. Mass

39° 54' 00" N 69° 51' 30" W

4-VIII 1881 134 fm

USFC Fish Hawk Sta 940

✓ 6928 Sympagella nux O.S.

No Photo
Frags

89-7-25-23

off M. Vin. Mass

39° 58' N 70° 06' W

21 IX - 1881 (146 fm)

USFC Fish Hawk Stat. 1038

1 pt Jar
Mostly heads.
huge to 2 cm diam

✓ 6825 Sympagella nux (So Filed)

No Photo
No Frags

S of M. Vin Mass

40° 00' 15" N 70° 42' 20" W

7-VIII 1885 129 fm

USFC Albatross Sta 2542

1 pt Jar Canning
Stalks & heads

7903-B

25 July
1989

YPM wet

No Photo
No Frags

YPM Nis J 6611

✓ 6666

✓ 6667

✓ 6668

✓ 6828

✓ 6829

✓ 7479

Sympagella nux

Pt Jar w 7 vials
w stalks & parts

all:

off Martha's Vineyard, Mass
40°05'39"N; 70°23'5"W.
4-IX-1880 86 fm
USFC Fish Hawk Sta. 872

6611 off M.V. 86 fm Fish Hawk Sta 872 40°05'39"N 70°23'5"W
IS-4-1880
6666 } off M.V. 86 fm " " " "
6667 }
6668 }
6828 " same
6829 " "
7479 " " same

No Photo
No Frags

✓ 7437

Sympagella nux sr filed

Qt Jar
ful of parts

off M. Vin. mass nr Sta 1038
39°58'N 70°06'W
1881 107 fm N.
USFC Trans Line

7909

No Photo
No Frags

✓ 7124

Sympagella nux (so filed)

1/2 pt GS Jar

w vial in -
Small volume
~ 10 stalks 2 heads

off Chatham Cape Cod (Chatham Light-
N 72°W 16 mi)
41°35½'N 69°35'W
19 IX 1879 34½ fm
USFC 'Speedwell' Sta 371

8004

YPM web

✓ 6869 *Sympagella nux* (so filed)

Snap vial/Jan.

No Photo

No Frags

SSE of Cape Cod Mass

39° 56' 30" N 69° 43' 20" W

6-VIII 1884 84 fm

USFC Albatross Sta 2197

Nice ~ 20 heads &
many stalks

Sta 2187 internal Label

11
few stalks

✓ 6654 *Sympagella nux* (so filed)

No Photo

No Frags

S. of M. Vin. Mass.

40° 01' 24" N 70° 46' 00" W

VII - 16 - 1881 98 fm

USFC Fish Hawk. Sta 923

✓ 6549 *Sympagella nux* (so filed)

No Photo

No Frags

SE of M. Vin.

39° 56' 30" N 69° 43' 20" W

VIII 6 - 1884

USFC Albatross Sta 2197

Snap Jar
few stalks

✓ 6681 *Sympagella nux* (so filed)

Snap Jar

No Photo

No Frags

off M. Vin. Mass

40° 03' N 70° 38' W

22-VIII 1882 89 fm

USFC Fish Hawk. Sta 1109

a few stalks

25 July
1989

YPM wet

✓ 7117

Sympagella mux (so filed)

GS sm Jar

No Photo
No Frag

off M. Vin. mas

39°54'00" N 69°51'30" W

4-VIII 1881

134 fm

USFC Fish Hawk Sta 940

Vial in
3 heads & stems
(dry!)

✓ 6671 Sympagella mux (so filed)

Snap Jar

No photo
No Frag

off M.V.

39°58' N 70°06' W

IX - 21 - 1881

146 fm

USFC Fish Hawk Sta 1038

Vial in w
3 heads &
a few stems.

End. Sympagella file

✓ 6569 Calycosoma validum (so filed)

Pt camera

No Photo
No Frag

E of Long Is, N.Y.

40°34'18" N, 66°09'00" W

IX 2 - 1885

1742 fm

USFC Albatross Sta 2573

1 large flat
plate

3 x 3" x 2mm

No 583 - No. 4761 USNM

✓ 6663 Caulophacus sp.

Snap Jar

No Photo
No Frag

E. of Cape Charles, Virginia

37°25'00" N 73°06'00" W

IX 8 - 11 - 1884

1582 fm

USFC Albatross Sta 2228

Vial in
short of stem only!

□ x 1

inner label

PMC 575

off Martha's Vineyard 1884

USFC 2228

Cat.
FC #1599

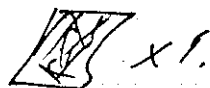
YPM wet

25 July
1989

✓ 6746 Asconema setubalanee (~~Asconema~~)
var. pauperata F.E.S.

Snap Jar

Vial in
Small flake
of ss



No Photo
No Frag

E. of Cape Cod Mass. S of Cape Sable, N. Scot.
41° 54' 50" N 65° 48' 35" W
1 - IX - 1883 (01 fms.
USFC Albatross Sta 2069.

in Label / PMC 573

off M. Vin 1883

USFC Sta 2069

Hexactinellid (1) 6528 Unid Hexact. (1)

Snap Jar

Vial in - small sp.

No Photo
No Frag

E. of Cape Charles, Maryland Virginia
37° 25' 00" N 73° 06' 00" W
IX - 11 - 1884. 1582 fm
USFC Albatross Sta 2228



Erected lvs

✓ 7431 Unid Hexact (1)

Snap Jar

Vial in

No Photo
No Frag

About 130 mi S. Cape Cod.
39° 35' 00" N 71° 02' 30" W.
17 - VII 1886 1137 fm.
USFC Albatross Sta 2685

Dictyonema!
Dark Gray - Aphrocalappa



89-7-25-24

5335 USFC 1886

✓ 6631 Unid Hex (1)

Snap Jar

Dictyonema

No Photo
No Frag

SE of Cape May, Del. N.E. Cape Charles, Md.
37° 25' 00" N 73° 06' 00" W
IX - 11 - 1884 1582 fm
USFC Albatross Sta 2228

Vial w 3-4 frags
Gray.



~~6631~~

No 584 P.M.

FC #1614

25 July
1989

YPM web

✓ 6661 Unid Hex. (1)

No Photo
No Frags

E. of Cape Charles, ~~VA~~ Virginia
37° 25' 00" N 73° 06' 00" W
IX - 11 - 1884 1582 fm
USFC Albatross Sta 2228

Snap Jar
vial w
~ 8 pcs of Diogeni
Nice! - Lots.



✓ 6600 Unid Hex (1)

No Photos
No Frags

E. of Cape Charles, ~~VA~~ Virginia
37° 25' 00" N 73° 06' 00" W
IX - 11 - 1884 1582 fm.
USFC Albatross Sta 2228

1/2 pt SC Jar



x 2/3

fairly good sized pc

Hexactuellida -

✓ 7448 Unid Hex.

No Photo
No Frags

Jeffrey's Ledge, Gulf of Maine
Capt. John McKenna v. car. 40 fm
Sch. "Ivanhoe"
Glow. Fishes Lot 591

1/4 pt Jar SC
~ 4 frags? Lyssac.

✓ 6550 Unid Hex

No Photo
No Frags

E of Cape Charles ~~VA~~ Virginia
37° 38' 40" N 73° 16' 30" W
IX - 11 - 1884 1423 fm
USFC Albatross Sta 2229

EC. # 7233

pt SC Jar

Lyssacine
x 1/2
Long Spico.

YPM web

25 July
1989

✓
No Photo
No Frag

6561 Unid Hex

S of Yarmouth N.S. & E. of Boston
42° 23' 00" N 66° 23' 00" W
VIII - 31-1883 141 fm.
USFC Albatross Sta 2063

FC 7124

1/2 pt Canny Jar

Big Massie
Lyssaeni!
Thick!

✓
No Photo
No Frag

6530 Unid Hex.

E. of Cape Charles ~~VA~~ Virginia
37° 25' 00" N 73° 06' 00" W
IX - 11-1884 1582 fm
USFC Albatross Sta 2228.

FC 1620 A

Pt Jar Canner

Jar Full of Gray
Lyssaeni
Frag

✓
No Photo
No Frag

6603 Unid Hex

E. of Cape Cod Mass
41° 47' 00" N 65° 37' 30" W
VII - 13-1885 677 fm
USFC Albatross Sta 2528

FC 4674

1/2 Pt Jar

~5 pcs thin Lyssaeni
(? like Asconema)

✓
No Photo
No Frag

6747 Unid Hex

E of Cape Cod Mass, S of Cape Sable N.S. Unid in
42° 03' 00" N 65° 48' 40" W
I - IX - 1883 131 fm.
USFC Albatross Sta 2068

FC 2037

Snap Jar

Lyssaeni flakes
? Asconema ?

25 July
1989

YPM wet

✓ 6749 Unid Hex

No Photo
No frag

E. of Cape Cod; S of Cape Sable, N.S.
42° 15' 25" N 65° 48' 40" W
1-IX - 1883 122 fm
USFC Albatross Sta 2067

2038 FC #

Snap Cap Jar

Vial in

Thin Lyssacine

? Asconema?

✓ 7011 Unid Hex

No Photo
No Frag

Ca 100 mi E of Sable Is., N.S.
44° 29' N 57° 9' W
Capt J.C. Murphy & Crew 250 fm
Sch. Alice M. Williams
Glouc. Fisherm Lot 338

6799 FC #

Snap Jar

1 frag Thin Lyssac

? Asconema?

date? ca 1878 probably
No date in Comm Repts or in Cit

✓ 6637 Unid Hex

No Photo
No Frag

E. of Cape May, Del
38° 46' 00" 73° 05' 45"
IX - 18-1887 102 fm
USFC Albatross Sta 2746

N 593 P. Mus

Snap Jar

Vial in

Frag Lyssac

? Asconema?

✓ 6562 Unid Hex

No Photo
No Frag

S of Yarmouth, N.S., E of Boston
42° 23' 00" N 66° 23' 00" W
VIII - 31-1883 141 fm
USFC Albatross Sta 2063

~~2063~~ FC #

7892 FC No

1/2 pt Cammer

large Discoid Lyssac
or 2 -

Cantopharax or Hyalonema?

Good Shape.

END wet Survey - For Naus

YPM Wet

26 July
1989

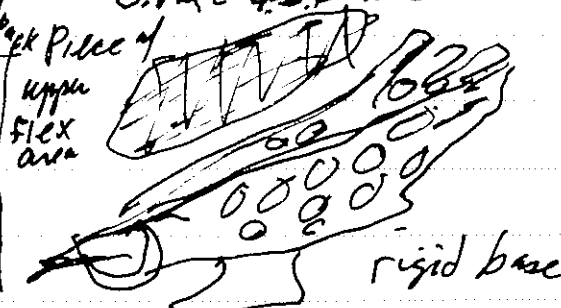
* The wet Collection Clearly has Much Much more Material - but it consists of Matl from Scripps & other places - maybe a loan but...

530 *Regabrella phoenix*

0.7 Qt GS Bottle

No P
No F

MS C. Sum
Can. I. Exp
Blake
A. Ages 78-79
No CCLXXXI
Depth 288 fm
Lat
Long Barbados



530

Regabrella phoenix Sdt PMYC
Barbados Sta 281, 288 fath
Blake Ex 1875-79

535 *Euplectella jovis* Sdt

0.7 Qt GS BOTTLE

No P
No F

MS C. Sum
Can. I. Exp
Blake
A. Ages 78-79
No. 205 Depth 334 fm
Lat
Long Martinique

back

W ~ 200 roundish

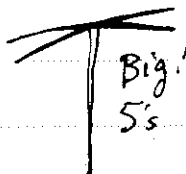
Brown lumps

look more like pteromera or something else - No thing at all like *E. jovis*! One piece is clearly *Aphrocallites buxici* in there

Spice from one frag:

535

uncinata



pinale 5s

Amphidiscs

Amphidiscophoran - more evidence that this is NOT *Euplectella* + probably None in the JAR.



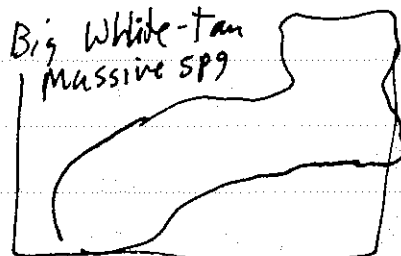
Trust this - ?
Caution !!

534 *Asconema Kenti* Sdt

0.7 Qt G.S. BTL

No P
No Fr.

MS C. Sum
Can. I. Exp
Blake
A. Ages 78-79
No. 130
Depth 451 fm
Lat
Long St. Cruz



fragile,
Thick!

26 July
1989

YPM - "MISSING" + Renumbered. Hgs

Data taken From Catalog -

NOT FOUND	YPM 526	<i>Valvulina sigsbeeii</i> Sdt	Alcohol-wet
		No 128 or 228?	
		St. Cruz 180 fm	
		Blake 1878-79	
NOT FOUND	YPM 527	<i>Aphrocallista bocagei</i> W.	Alcoh.
		No 218 St Lucia 164 fm	Blake 78-79
NOT FOUND	YPM 529	<i>Autoplegma lanterna</i> Sdt	Alcoh
		No Loc	Blake 1878
NOT FOUND	YPM 532	<i>Rhabdoplectella tintinnus</i> Sdt	Alch
		No 260 291 fm Grenada,	Blake 78-79
NOT FOUND	YPM 536	<i>Rinella clava</i> Sdt	Alcoh 1 spec
		Lithistid - delete from Hgs List.	
		No 16. Havana 292 fm	Blake 1877-78
		[? a Lithistid?]	
NOT FOUND	YPM 537	<i>Syringodrim zittelii</i> Sdt	Alcoh
		No 128, 180 fm	St. Cruz Blake 78-79
NOT FOUND	YPM 542	<i>Favos facunda</i> Sdt	dry
		No 216, 154 fm	St Lucia Blake 1878-79
NOT FOUND	YPM 545	<i>Euplectella speciosa</i> Sdt Mtd	1 spec
		Donor Rev Azariah Eldridge April 1889	
NOT FND	YPM 546	(Exactly same)	
NOT FND	YPM 547	" "	

YPM "Missing" or Renamed but
Not entered in Cat.

26 July
1989

NOT FOUND	YPM 563	Hexactinellida (Myscale sp)	USFC Stat 895	1880	
NOT FOUND	YPM 570	Hexact	USFC Stat 1047	1881	
NOT FOUND	YPM 571	Hexact	USFC Stat 1117	1882	
RENUM	YPM 573	→ YPM 6746			
RENUM	YPM 575	→ YPM 6663			
NOT FOUND	YPM 576	Hexact	USFC Stat. 2228	1884	FC# 1608
NOT FOUND	YPM 577	Hexact	USFC Stat 2471	1884	FC# 4696
NOT FOUND	YPM 582	Hexact	USFC Stat. 2572	1886	FC# 4697
RENUM	YPM 584	→ YPM 6631			
NOT FOUND	YPM 587	Hexact	USFC Stat 1038	1881	
NOT FOUND	YPM 590	Hexact	USFC Stat. 872	1880	
NOT FOUND	YPM 591	Hexact	USFC Stat 872	1880	
RENUM	YPM 593	→ YPM 6637			
NOT FOUND	YPM 6645	Rhabdopsectella tintinnus	12° 06' - 61.79°	1 met spec.	
		off Grenada, Carib Sea	120 03' 30" N	61° 47' 10" W	
		291 fm Blake Sta 260	USFC II 28-1879.		

14 Dec
1989

Harold S. Feinberg

"Hal"

opens at 10 AM

Excelsior is close +
"cheap"

A MINH

Cam 5

2

Tray 1	10
Tray 2	
Tray 3	11
Tray 4	
Tray 5	12
Tray 6	
7	13
8	
9	14
	15

CAN 5

AMNH

14 Dec
1989

Tray 1 - Phyllospongiae - ~8 specs. Lendenfeld Australia matl

Tray 2 More Dictyoceratida ~12 " "

Tray 3 More Spongia

Tray 4 More Spongia

Tray 5 Hexactinellida - Euplectellidae No Separate ^{Sub}Trays

PKg - Tied bundle :

AMNH 435 Euplectella imperialis Ijima Japan

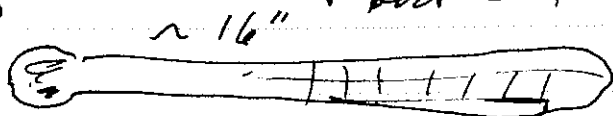
* 5 specs

loose Nos on 851 - #56 84 Japan

with flesh

Tied on one #55-64 Wards Scienc Est
Army No: 64

+ Root Ball



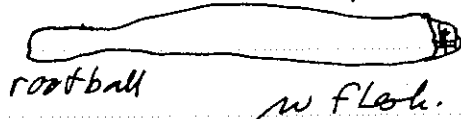
~16" ERROR

one of the 5 is a Seuplerella!

AMNH 439 Euplectella marshalli Ijima Japan

9"

Euplectella marshalli Japan
AMNH cat #439 64



rootball

w flesh.

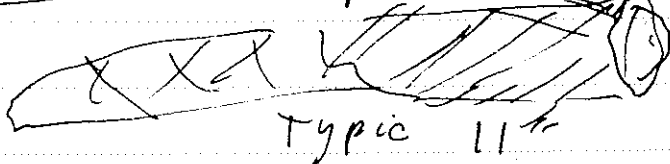
AMNH 153 510 Euplectella aspergillum Owen
Philippines

clean SKel

2 pcs Broken Cat

#62 83.50

Euplectella aspergillum Owen
Philippines #48



Typic 11"

1989
14 Dec

AMNH

21-14-1

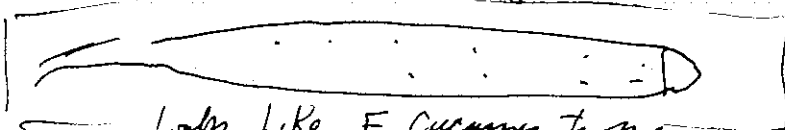
Box, blue glass top

NY Scientific Supply Co.

(*Euplectella*)

Venus Flower Basket

No No!



8"
Looks Like *E. cucumers* to me
Beautiful w dried flesh - firm
Cylindrical

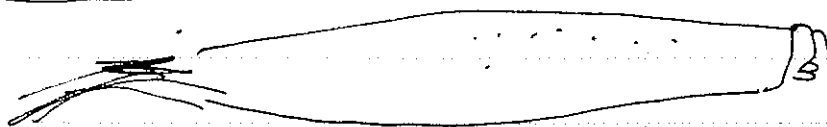
21-14-2

Box (same type)

Euplectella

Venus Flower Basket

NY Scientific Supply Co.



Flattened a bit
softer - Nice w flesh

Tray 6

- *Euplectella*

AMNH
Porif

283

Euplectella speciosa

3 spec in bundle
Typical *E. aspergillum* 10"
clear skel

AMNH
Porif

94

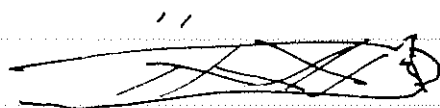
Euplectella speciosa
Philippine Is.

1 *E. (prob) aspergillum*
11" clear skel.

AMNH
Por

94

Euplectella speciosa
Philippine Is.

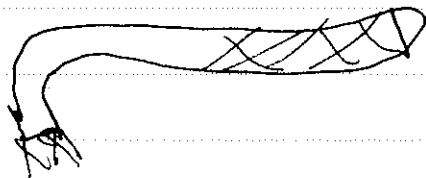


AMNH
Por

281

Euplectella speciosa

1 dry spec *aspergillum*
clear skel ~ 10"



AMNH

1989
14 Dec

AMNH 94

Euplectella speciosa
Philippine Islands

18" clean skel
asperella

AMNH 94

Euplectella speciosa
Phil. Is.

9" "

AMNH

284

Euplectella speciosa

2 spp

Cat 284

A-5219

Soft upper 2/3
Some flesh

N. Sea

Hard

Cat No 284

A-5219

nearly identical
a little more curved

Phot Neg 10-5-1

21-14-3

Unid.

White stalk
2 1/2 feet

Frag

Letter to Rutzler Feb 19, 1988
from W.K. Emerson, AMNH

Don Pisor, shell dealer in San Diego
submitted this - found 1800-2000 f.

near Midway Is in 1986 or 1987

He purchased it in Taiwan in 1987

Guess? Possibly a Camphacrus stem?

Hard!
Must have branch

Maxil of
Crotch:

hole w
grid
over

Box

AMNH

284

Euplectella speciosa
Philippines

2 beautiful clean
E. aspersilla

in
Box

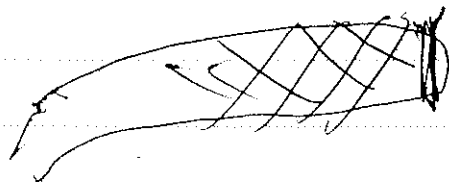
Mr Dolan Collected

1875 1871

Cat 234

350

Miss Adella Dolan
South Amboy
New Jersey



1989
14 Dec

AMNH

Shoe Box w 2 smaller Bxs: in bottom [A.7761] & Letter below:

21-14-4

Euplectella

Box:

"Venus Basal"
deep water off Ceph

Mrs Robert W Carter

8612F

1 straight
dry clear shell
aspergilla

21-14-5

Euplectella

2nd Box

No labels

same thing

Letter in Bottom 5/21/62

2 spec *Euplectella* off Cebu City Cebu Is. -

Coll before 1919 - exact?

Pres by Mrs Edna Ferris Carter N.J.

Loose Labels Tray 6.

Cat No
279.

Prints
display
label

Am Mn v5 H.

Euplectella speciosa n

E. aspergilla spec spec

1899 94 Indian Coral display

AMNH
Per

279

Euplectella
speciosa

AMNH

1989
14 Dec

Tray 7 Tretodictylus

AMNH
Por

409

Walteria leuckardti (Ijima) Japan

Walteria leuckardti Ijima

AMNH
cat NO 409

Japan Purch Mus Coll fed 1906

ERROR

Aphrocallistes vastus FES.

Det W.D. Hartman 1981

✓
apex

8" Aphrocallistes

AMNH
Por

442

Walteria leuckardti Ijima Japan

Small
label
seen

V Sm

Walteria leuckardti

Det W.D. Hartman 1981

Bag.
Good
dry spec!
23" Nice

AMNH

411

Rexactinella ventilabrum Carter
Japan

3 labels loose inside

⊗

260

Wards
Sci
Label

AMNH Mineral, Gent 2nd
Cat N-411
Rexactinella
ventilabrum Carter
Japan

on
Bade:
800

ERROR

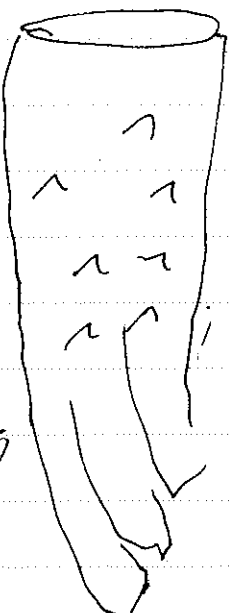
Bis
Rossellid
Prob.
Rexactinella
ventilabrum

No Bag
20"

12 (8)

778

on Bade



1989
14 Dec

AMNH

124

Fam Tretodichylin
Hexactinella tubulosa
Japan

ERROR

Bag around:
Glas Plate
w ~~Alcyonaceae~~ ~
? Halysidota oculata?

(Box):

Cat

285

Euplectella speciosa

clean

apophyses 5 Kel

Mrs L. Leggett.

Loose labels:

Hexactinella ventilabrum Cantu Japan
Purch 1906

#119

Tray 8

Rossellidae -

Loose labels.

AMNH Cat 410

Acanthosoma cincta FES
Japan

wards

#269

Acanthosoma cincta FES
Japan
Purch 1906

Chaunoplectella canescens Ijm
Prob Sagami Sea Jpn
Purch 1906

AMNH 414

Rhabdocalyptra mollis FES
Japan

wards

AMNH cat 413

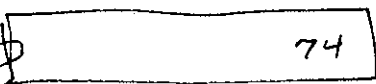
Rhabdocalyptra capillata Ijm
Prob Sagami Sea Jpn

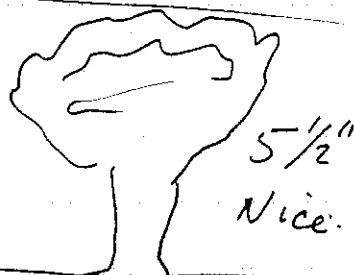
#67

AMNH

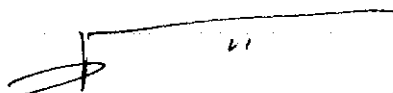
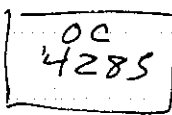
1989
14 Dec

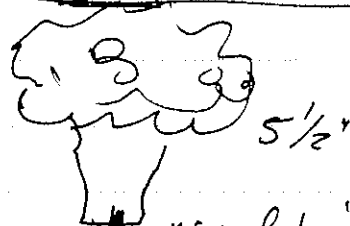
AMNH 446 Crateromopha corrugata Japan

same  74 to Bag or Box Loose



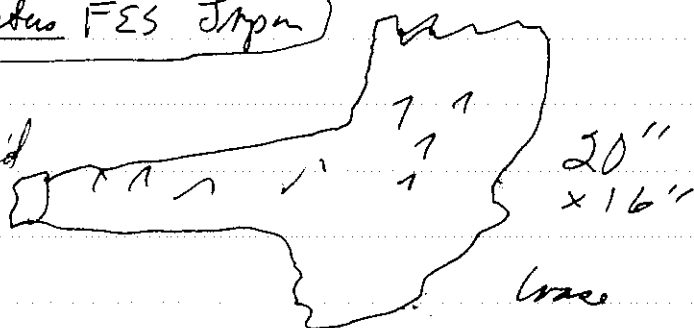
AMNH 447 Crateromopha meyeri Japan

 11  OC 4285 Loose
to Bag or Box Beautiful spec! Need box or bag!



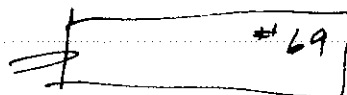
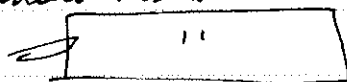
AMNH 410 Acanthascus caesus FES Japan

Big
(looks again like a figid
spec of *Ijima*)



AMNH 441 Chaunoplectella cavernosa Ij Japan

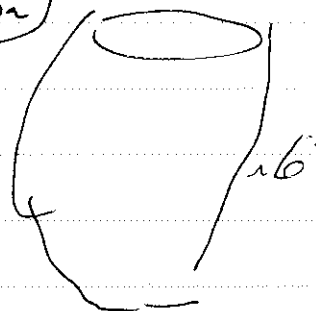
2 labels inside



Soft! Nice!

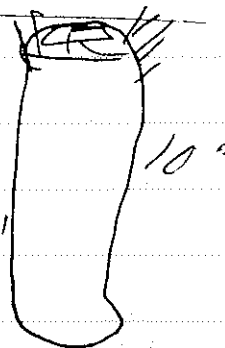
Loose

to Bag or Box



AMNH 413 Rhabdocalyptra capillatus Ij Japan

Nice
Loose! Firm
and flat!

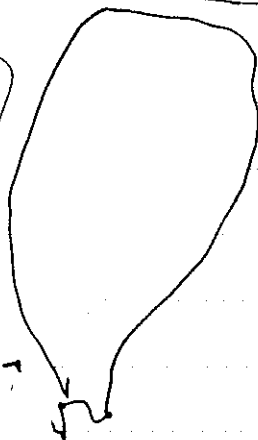


1989
14 Dec

AMNH

AMNH 414 Rhabdocalyptra mollis FES Japn
153 E

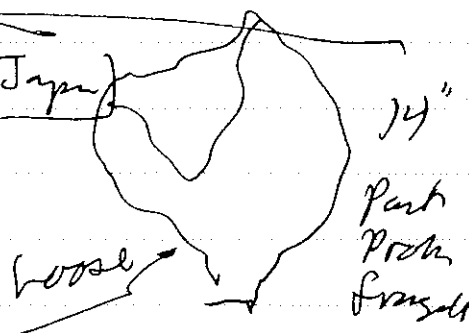
Loose Big
Flattened
Tube
116"



AMNH 412 Rhabdocalyptra victor (Ij) Japn

68

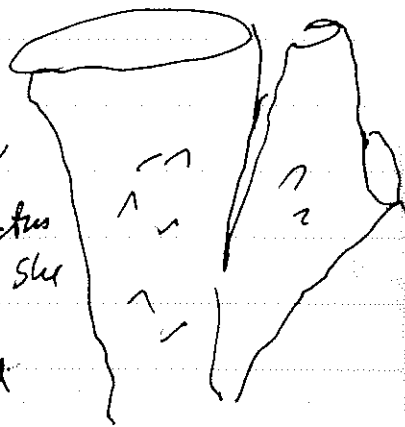
OC
4219



U-14-6 Unit. No label

(! Looks like an Ij)
Figural spec!
if Memory series.

8"
A. cactus
Beautiful skin
Loose
No belt



Tramp - Halichmids

Tramp 10-15 - Demospys

New Cab. Cam 4

AMNH

1989
14 Dec

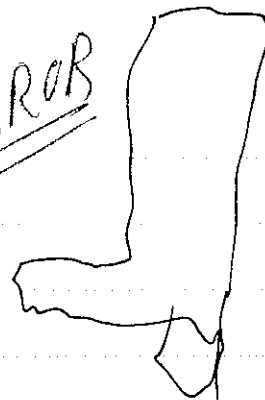
Traps 1 + 2 Demos

Tray 3 Famidae - loose mostly 1 Argb - Beautiful stall.

AMNH 415 Famea occa Carter Japan

#268

ERROR



It is called
Big
A. cactus
w little
one
inside

AMNH 196 Euplectella imperialis

177K.

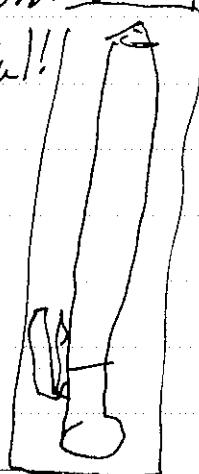
196

Numbers
are
very heavy
& written
over
numbers

Golden Hill
3459N 13331E
400F 417190
OWS# Cal#6987

Dry Spec in Jar
Broken Lid - once was

Beautiful!!



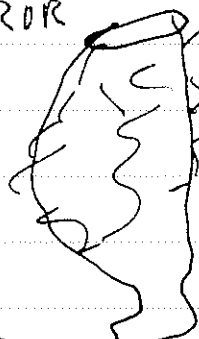
w/ tissue

U-14-7

Famea Maeckelii Schlz 90
Japan

prob periphrazella loose

? ERROR

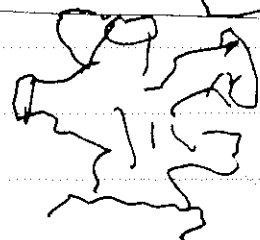


Loose
Famid
Tube
Ball
No tissue

AMNH 444 Famea occa (Carter) Japan

"
Sagami Sea

(Hose)



Loose
planchy
2x SKEL
may have sea
floor.

1989
14 Dec

AMNH

28-14-8 Unit - No label

Loose

5" Chondria
most washed out
No

U-14-9

Farrea haeckelii Sch 89
Japan

Loose

Thick wall - Sarcos
Some Flesh

AMNH 443 Farrea haeckelii Schultze Japan

2
Photos

Neg 10-10-5-243

Loose

838

Loose

117

4 beautiful but washed

out spec -

8 - 15" high

Lace Coral

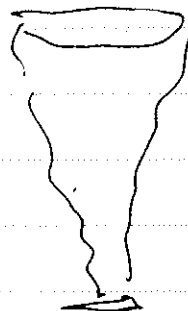
Vases Cons

(Prob not all same species)

some w fine trans.

(Some may well be Periphragella) ?

ERRORS



AMNH

1989
14 Dec

USN

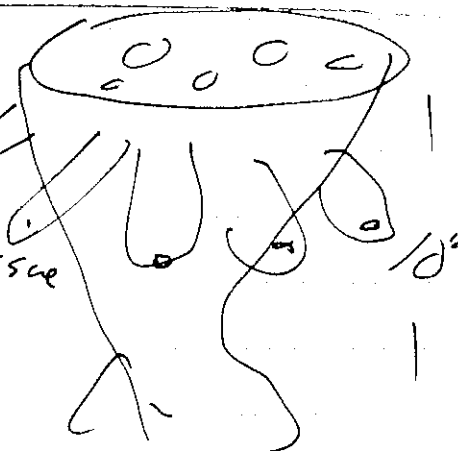
445

Chonelasma calyx FES Jyn

Photo

Neg
10-10-5-4

clean skel &
Gorgons
But No tissue



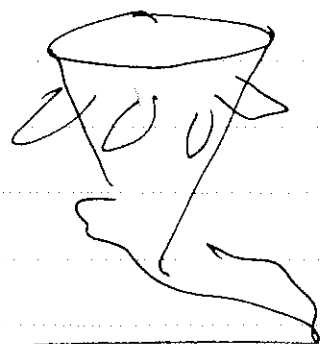
(21-14-10) 2 mid.

Photo

Neg
10-10-5-5

No label

Same but
smaller



5 1/2

Worse labels:

AMNH 445

Chonelasma calyx
Jyn

Fanea haekelii #93

Fanea haekelii - Sch #91
Jyn

AMNH Cat 443

Displ Lab

AMNH
415

Fanea occa (BwbK)
Sagami Sea
Ranch 1906

1989
(14 Dec)

AMNH

Tray 4 - Hyalomnema

AMNH

438

Hyalomnema sp. Japan

Φ 804

832

Hyale 85

Bottle 1

3 spec of

Serricolephtes /
reflexus!

is fairly good shape
But loose in Box.

436

Hyalomnema costoni G; Japan

Sagami Sea

30

5 small Hyal
in bottle w/heads
CCWS

288

Hyalomnema sieboldii (Gray)

A 3578

1. root only
CCWS

437

Hyalomnema asperatum FES Japan

Hyalomnema aperum FES 29
Sagami Sea

Good whole
CCWS

290

Hyalomnema sieboldii (Gray) Japan

Root CCWS
+ some head
remnants

103

Hyalomnema sieboldii Japan

4 Root - No head
CCWS

287

Hyalomnema sieboldii (Gray) Sea Japan

in box

1 - whole mice

2 - " "

3 - most "

4 root only

Acc 3326, No 287

"

"

"

"

AMNH

1989
14 Dec

2 photo

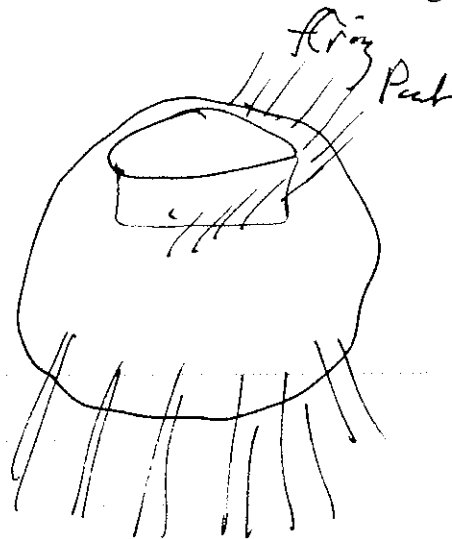
Neg
10-10-6-142

440

Phormena grayi
Bay of Biscay



roots & buds
Shallow vestibule
abit squished but OK.



Tray 5

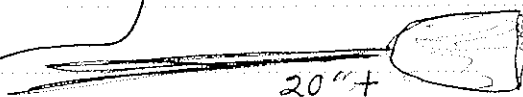
Hyalonematidae — Gorgona Species

434

Hyalonema Sieboldii
Japan

265

Beard, Red



20" +

434

Hyalonema Sieboldii

259

"

U-14-11

Unid — No label

Prot H. Sieboldii
w Label off

289

Hyalonema Sieboldii Type

A 3914

434

Hyalonema Sieboldii 277

"

434

Hyalonema Sieboldii

"

434

Hyalonema Sieboldii 276
Japan

"

1989
14 Dec

AMNH

Loose Label:

AMNH cat 434

Hyalonema sieboldii Gray
Japan

Pratt
relates to 21-14-11

Tray 6

~~Dactylocalyx~~ Meandrospryidae

2 photos

21-14-12

Unidentified

Dactylocalyx pumicea Stutch

137

Barbados

Large
Flat

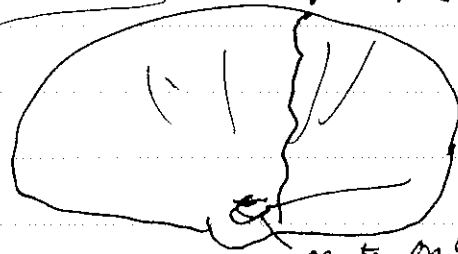
Brn is 1

* Broken is 2

Flat!

(Loose label "854"
below my go here)

It is Not Cut



center on only edge!

433

Dactylocalyx pumicea Stutch

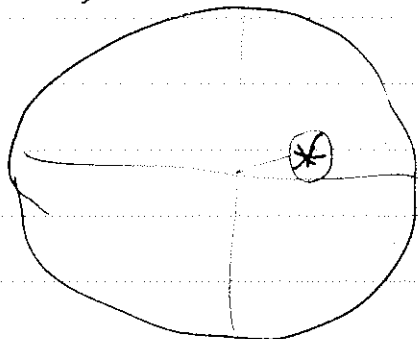
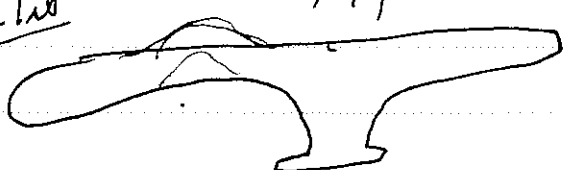
2 photos

Br. W Indies

Local hump

771

Nearly flat



Center is off center

2 photos

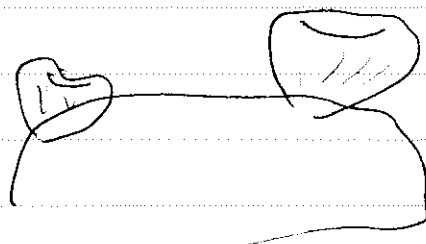
433

Dactylocalyx pumicea Stutch

Br. W. Indies

Rock w 2 cups!

very Symmetrical



AMNH

1989

14 Dec

Tray
also has

some Miso Frags of Dact. Pura (other spec) +

Label:

loose
Label:

Dactylosaurus pumicea Stach
854. Banadras

may go w (21-14-12)

Notly in "CAN. 3 & 2" but Demosp

* CAN 1

21-14-13

Lab:

Left Bottom - a cartoon Box
Unid-mix.

Loc. Sagami Sea A. 3326

Misaki Japan 1905

Bushford Dean, Coll

a mass of ~ 40 pcs of Hexact
need sorting out! - Favosid, Porphyrocellus, bryozoa, etc

ON Cabinet Tops back of dry room over Fossil Cabinets

21-14-14

Unid -

small complete Hyalomaculata

13"

No label

Small but Nice

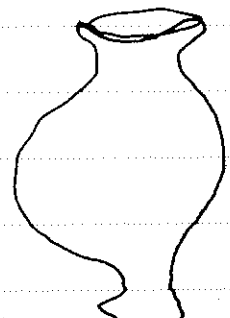
rows beautiful

21-14-15

Unid.

No label

Hyalascus similis IJ'04
Barrel sp
Flattish
Rossellid?



~13"

Photo

Neg

10-11-14

This is the
Holotype of

1989
14 Dec

A M N H

U-14-16 Unid.

(No Labels)

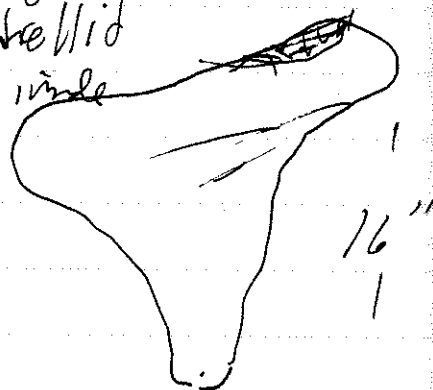
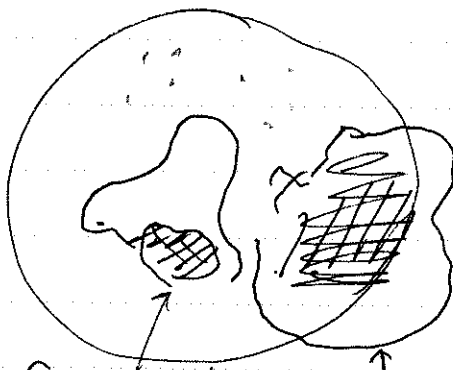
Huge
"Regaellid"
w inflated inside

siene

3 photos

Neg
10-11-1-5
10-11-2-4+5

Top



16"

Change Film

2 siene fields each w collars :- Iside is halter

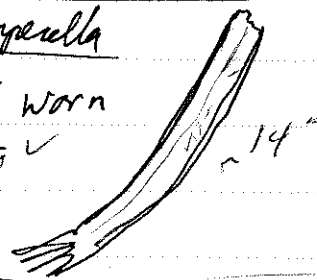
U-14-17 - Unid.

it is a *Sargarella*

No Labels. a bit worn
Photo ✓

1 photo

Neg
10-11-3-4



14"

Small Cabinet "8-2"

- Looks Like Display specs but...

- Tray # Bottom

- Glass Springs.

Contains

U-14-18

~~Unid~~

Japan #350 826

Farreid

U-14-19

~~Gymnometrid~~
~~Gymnometrid~~

8" diam

No label

Gymnometrid - *Gymnometrid*
Veridolus

U-14-20

~~Unid~~

- No label

- farreid

1 photo

U-14-21

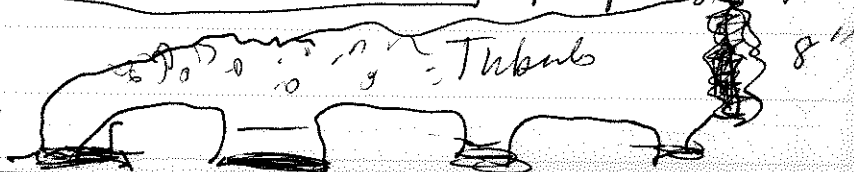
~~Gymnometrid~~
UNID.

Japan #107 787

Brooklyn Mus Ex
Periphragella

Neg
10-11-3-5

multiple attached.



Tuberc

8"

AMNH

1989

14 Dec

U-14-22

Unid

Big
"Chondrosteid"



~16"

Label
lying inside

~~With tissue~~
With tissue ~~remains~~

"Blake pg 172 fig 522"
Japan #109

Ref is obscure

That's all my spec

Had a glance at wet Run 4 - to do
5 Cabs: Strange arrangement by Local &/or Genus ^{Somebody} Name -

1989
14 Dec

AMNH
Card Catalog

Date Recd
↓

[2] Regadiella OKinoseana Ij. Japan dry SKel
O.C. 5679 1 spec Recd: Oct 1901
dry SKel

[3] Hexactinella sp. Japan 1 spec
dry SKel " "

[4] Aphrocallistes vastus FES 1 spec dry SKel
Japan "

[5] Acanthascus cactus FES 1 spec dry
mis spelling on card orig No 12 Japan "

[6] Walteria leuckhardti (Ij) Japan
orig No 27 2 spec dry "

[7] Regadiella Komegami (Ij) Japan
1 spec dry "

[8] Periphragella elisae (Marshall) Japan
orig No 19. 1 spec Dry "

[9] Rhabdocalyptra capillatus (Odawara)
Japan 3 spec dry
Is this supposed to be OKada?

[10] Rhabdocalyptra sp. Japan
2 spec dry "

AMNH Cards

1989

14 Dec

- [11] Rhabdocalyptis victor (Ij) Japan Oct 1901
1 spec dry
- [12] Fanea occa (Carter) Japan "
orig 20 1 spec dry
- [13] Aphrocallistes bocagei No Date
Japan 1 spec dry
- [14] Hexactinella tubulosa Oct 1901
orig #17 Japan 1 spec
- [15] Crateromorpha sp. Japan "
1 spec dry "
- [16] Chonelasma calyx (FES) Japan "
orig 18. 1 spec dry
- [17] Hyalonema apertum (FES) Japan "
orig 3 2 spec dry
- [18] Hyalonema owstoni (Ij) Japan "
orig #4 2 spec dry
- [19] Hyalonema reflexum (Ij) Japan "
1 spec dry

1989
14 Dec

AMNH CARDS

[20] Hyalonema sieboldii Gray Oct 1901
1 spec dry Japan

[21] Hyalonema sieboldii Gray Japan "
O.C. 101 Don Prof A.S. Bickmore
1 spec dry.

[22] Euplectella imperialis (Ij) Japan "
orig #7 3 spec dry

[23] Euplectella marshalli (Ij) Japan "
orig #8 2 spec dry

[24] Euplectella oweni Japan "
1 spec dry

[25] Euplectella speciosissima (Owen) Dec 31 1901
1 spec dry
Cebu Phil Is.
Col 1900 by Cptn C.L. Furbush

[26] Hyalascan giganteus (Ij) Japan "
1 spec dry

[27] Semperella schulzei (Gray) Japan "
orig #6 2 spec dry

AMNH Cards

1989
14 Dec

~~58~~

OC 86

[94] Euplectella speciosa Phil Is. N.D.
OC #107 4 spec dry

[103] Hyalonema sieboldii Gray Japan Seas. N.D.
4 spec

Donor: Hon. Townsend Harris

[195] Hyalonema sieboldii Gray May 12, 1905
Acc. 3267 1 spec Alc
orig # 7489 Idzu Sea, Japan
(OC) } 16 Feb 1903
Collected A. Owston.

[196] Euplectella imperialis 12 May 1905
Acc. 3267 1 spec Alc
orig 6987 400 fm Japan
(OC) } 17 Apr 1903 A. Owston

[202] Euplectella aspergillum Oman 1 Dec 1909
Acc. 3714 1 spec dry S. Japan
Col + 1d. Walter F. Webb.
Col: 1908

[234] Euplectella speciosa Philip 16 Dec 1924
Acc. 6052 2 spec dry.
Col: 1871 W. Dolan

[278] Euplectella speciosa May 1911.
Acc. 3822 1 spec dry

1989
14 Dec

AMNH Cards

- [279] Euplectella speciosa 12 Apr 1907
Ac 3412 1 spec dry
- [280] Euplectella speciosa 1 Nov 1911
~~IB~~ Ac 3914 1 spec dry
- [281] Euplectella speciosa 20 Jan 1908
Ac 3471 1 spec dry
- [282] Euplectella speciosa 30 Sept 1924
Ac 6039 1 spec dry
- [283] Euplectella speciosa 12 Jan 1923
Ac 5915 3 spec dry
- [284] Euplectella speciosa 2 spec dry 28 Sept 1918
Ac 5219
- [285] Euplectella speciosa 1 12 Mar 1918
Ac 5201
- [286] Euplectella speciosa 46 spec dry Jan 1905
Ac 3262
- Col. Phil Is. June + July 1903
C. L. Hall & J. Hervey
- [287] Hyalonema sieboldii (Gray) 10 Feb 1906
Ac 3326 6 spec dry Sea of Japan
Winter 1905 Prof B. Dean
- [288] Hyalonema sieboldii (Gray) 10 Mar 1909
Ac 3578 1 spec dry

AMNH Cards

1989
14 Dec

[289] Hyalonema sieboldii (Gray) Japan 1 Nov 1911
Ac 3914 1 spec dry

[290] Hyalonema sieboldii (Gray) 12 Jan 1923
Ac 5915 1 spec dry Japan R

[409] Walteria leuckardti (Ij) Apr 1942
Ac 7104 1 spec dry Japan
Brooklyn Mus Exch (BME)

[410] Acanthascaris cactus FES. "
A" 2 spec dry Japan
BME

[411] Hexactinella ventilabrum Carter "
A" 1 spec dry Japan BME

[412] Rhabdocalypus victor (Ij) "
A" 1 spec dry Japan BME

[413] Rhabdocalypus capillatus Ij "
A" 1 spec dry Sagami Sea, Japan
BME

[414] Rhabdocalypus mollis FES. "
" 1 spec dry Japan BME

[415] Parea occa (Carter) "
" 1 spec dry Sagami Sea Japan BME

1989
14 Dec

AMNH Cards

433 Dactylocalyx pumicea Stuckbun Apr 1942
Ac 7104 5 spec dry
Bambato, B W I B M E

434 Hyalonema sieboldii (Gray) "
A " 6 spec dry Japan B M E

435 Euplectella imperialis "
" 5 spec dry Sag. Sea Jap. B M E

436 Hyalonema owstoni Ij "
" 5 spec dry Sag Sea Jap B M E

437 Hyalonema apertum FES. "
" 1 spec dry Sag Sea Jap B M E

438 Hyalonema sp. "
" 3 spec dry Japan B M E

439 Euplectella marshali Ij "
" 1 spec dry Japan B M E

440 Phormoneura grayi "
" Bay of Biscay 1 spec dry B M E

AMNH Cards

14 Dec
1989

441

Chaunoplectella cavernosa

Apr, 1942

1 spec dry Japan BME

442

Walteria leuckharti (Ij)

Apr 1942

1 spec dry Japan BME

443

Farrea haeckelii Sch.

Apr 1942

6 spec dry Japan BME

444

Farrea occa (Carter)

Apr 1944

1 spec dry Sag Sea, Japan BME

445

~~Sagami~~ Chonelasma calyx FES.

Apr 1944

Japan 2 spec dry BME

446

~~Coscin~~ Crateromorpha corrugata

Apr 1944

1 spec dry Japan BME

447

Crateromorpha meyeri

Apr 1942

1 spec dry Japan BME

508

Euplectella speciosa

May 1942

Ac 7761

2 dry spec.

Cebu City Cebu Is Phil

Col. Zelen 1911

510

Euplectella aspergillum Owen

N.D.

Ac 8289

1 spec 3.50 philipp

orig 62, 48

(153-B)

14 Dec
1989

AMNH CARDS

552

Euplectella sp.

6 July 1989

AC 8732

1 spec - (W/D?)

Orig. Net 518

ID. E. J. Bienen

Loc 32°12'N 64°36'W off Bermuda

Sept 28, 1929

Bermuda Oceanog Exp.

DEX. TYPE Cards

Hyalascus similis Ij.

Holotype - Missing

Coast of Province of Totomi Japan.

"Based on orig Ref there is no index that we have the Holotype. No spec is present in collection can be found fully the No. & description.

(No Number on card) - Earlier ^{This} #26

END of TRIP - Collecto Survey

Did a quick Survey of Invert Hall - only saw one E. asper.
So where are the rest of display specs?

Wet Specs to see yet - some Day.

AMNH Survey
Trip

1. Still to see Wet Spec's.

2. Many "Carded" Specs Not Found - "in display" but where is Display Case

3. Dactyloctenium speciosum Nice for Form Analysis

4. Pteronotus parvulus Nice for Form & Spec's

5. Sericothrips reflexus - found 3 but Not the one other so id'd

* 6. to Survey for Type 1 Myalascus similis

7. O.C. Specs many.

AMNH - Need to Do

1) Survey Wet Collects

2) Put some specs in Bags - esp Sericolephus
Chaunoytoides

3) Match Specs w loose Labels

4) Correct obvious Errors - see List

5) Try to find Hyalacum type

6) Shift all dry hexacts to one place - in Taxon
Scheme - now in

CAN 5

CAN 4

CAN 1 Box mix Unsorted

Fossil Tops

Cab 8-2

Use Ij'27 Family Names & Sequences where Avail

Smithsonian

28 June
1990

Short "drop in" on the Thursday - arrived ~ 12 Noon -
Rutledge/Kate Smith Called up - No one there - Waited around & at ~ 1:30
Called anyone & Everyone - Bayer, Coffey, Cairns -
Finally got Cairns to take me up -
Met Wally de Weerdelt there for a year -
Got to see Central America Specs - (Klaus working at Home for
morning, Kate in Carrie Bow Cay!)

Saw the specs - three of them. (actually 4) in charge of
Tim Coffey in his office:

"Tim 1"

Wet in Plastic Tub.



wood
spec
spg foam
in Alcohol

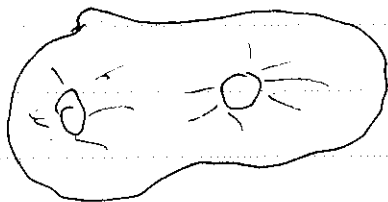


White "Cups" - plate one spec on
2 base on wood beam?

Clearly a fragment of a larger
specimen? ~ 1-3 mm thick

Surface Perpendicular Crossing Net. 
Rectangular - Dejeva of
Something - but what.

Negs
10:22:5.4-5
6.24



Photos PanX of Top & Bottom - Did Not do side - Dura
2 Frags taken
Reviewed Wally's slide - coarse & not informative.

28 June
1990

Smithsonian

"Tim 2"

- small vial wet with 2 small ? Rossellids
I simply Borrowed these
Reviewed Wallis Slide but again Not much help.

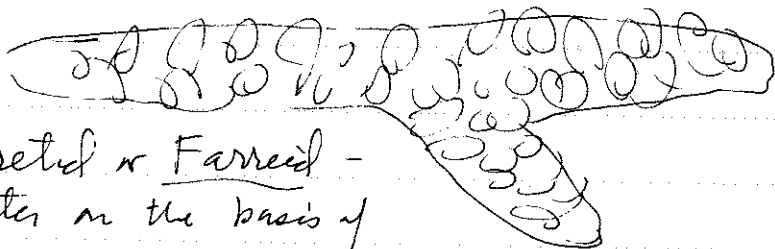


nlp
10:23:11-3

"Tim 3"

Dry! in Bag.

The large lace stick Recorded in Video



Clearly an Euretoid or Farreid -

nlp

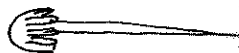
10:22:51-3

Probably the later on the basis of
flexibility - very brittle - outgrowth tube after funnel
Photographed

Took several frags

Reviewed Wallis Slide - yes - probably a Farreid but

Clavules are ~~are~~ hemiamphitricoid



Smithsonian

28 June
1990

I left the notes re *Serricoryphus* & the spec #7
for Kate to worry about when she gets back.
& met with Tommy Goreau for a bit of a talk.

Left to find the Family over in the American History
Museum.

1991
Aug.

Central America Wreck Site

~ 200 Km E of Charleston, S. Carolina

Z = 2200 m

L/L 31.5° N x 77.0° W [This is the closest
coordinate they will give out.]

17 Aug - Eddie ^{Herdendorf} called - from Ship - due to Hurricane
'Bob' the ship was forced to Port in Charleston +
I could join them there if I changed Flight from
19th) > 22 to 19 Aug - I did 19th flew 215 Air Via Philadelphia
to Charleston - Eddie Herdendorf + Bob Evans met me
at Airport - picked up bag + Bob...? drove us out
to the Dock to Board the Arctic Discoverer.

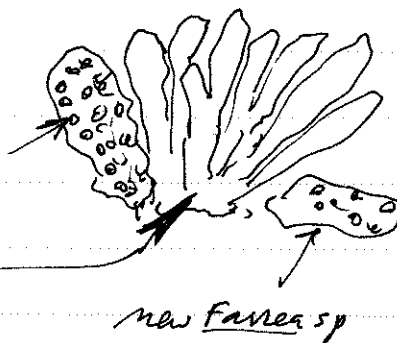
19 AUG

Overnight on the ship there - looked at Slides + Tapes in
the Photo lab.:

Dire AC 21 Sept 90

[91-8-27.1] → Spec CA-8 new Favos

[91-8-7.1] → Spec CA-7 Autocalycid?
new genus



I will get slide of this someday.

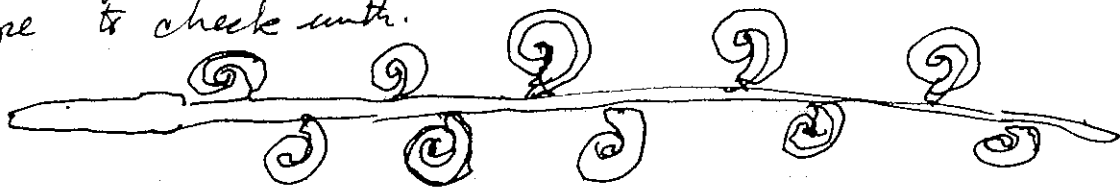
sample
Eddie has the CA-8 sort of flatter Favos sp but I will get it
+ A base which went to which? [later certain to Favos CA-8]

★ Looked over specs in "Lab" - Strange shells [later proved to be
goose-neck bivalves] + ^{Serpulit} Scaphopod(?) shell with Siphonoid in it
sample
7mm
6 cm
+ encrusting sponge on it → took a fragment CA-9 [91-8-28.1]
greenish cast 1/2 mm thick

1991

Aug

Also saw strange things in dish - caught on line
up - probably siphonophore - but No Campd
scope to check with.



Was ~ 6'ft long → contracted to ~ 8" long when
Firm!

20 Aug Mix Chemicals for Fixator - OK in Primitive "wet Lab".
Collidine buffer Soln
Glut Fix B soln
All ready for the Beasts.
Walked around Town 2 trips - Got Film etc

21 Aug Early AM Picked up Ruth Turner at
Airport - She had lots of Problems getting down.
We watched Videos ^{Slide} during the day - & looked
at Specs.

Saw some Euplectella - like sponges on Sticks
Pondered over Specimens.
Evening we had a few drinks out at the
East Bay Trading Co. -
We had to wait for Thursday to Fuel up Ship.

22 Aug Fuelled up at Xppr Esso Dock & headed out
to Sea ~ 11:30 AM.
Boat Drill; Ruth & I gave seminars of our work
& expected discoveries

1991
Aug

Cent Amer.

22nd contd - We washed out old samples & collected shells, Tubes
and anything from Mrstly HJ Bags - 12 Sept 1990
Some good things



Holys Tube skel

CA-10

91-8-28.2



blade of
Leaf Autocalyxid?

CA-11

91-8-28.3

or wasn't it?
AC!

Picked stuff out of Pteropod dredge Sievings of Dive CA - 21 Sept 1990
got 32 samples of small hex frags & other sps
CA-27 a → ag. 91-8-29.1a-ag

23 Aug) Dive PU - Nemo went Down in Early morning w
Eddie's Fish Packs (Grouper) + Pans of Fish meal w Fish Oil.

Dive
PU
Start

~ 3:30 pm we were let into Control Room - Stereo TV!

- Tried Capture Regiataoa Stirie w corer - + other methods - None worked
- Vacuumed Sea Cucu to dredge + fish bones
- Fish Packs put out ~ 4:15
- Watched Brachyuran eat a nereid Polychaete - yum
Bottled fish tried to get - Crab look off into Trufo
pile with his loot.
- Collected Wood Pegs - 1 Pine 1 Oak
- Collected Brisingid star on T-Ball.
- First eels appearing to feast by 5:30 pm
- off to Supper - Lobster + Prime Rib? Whoo!

Cent Amer.

1991

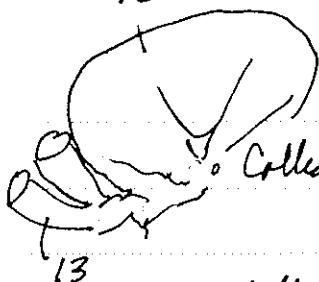
23rd Evening - collecting at Steamer Trunk #2 - next
to be collected so remove biologicals.

Mike Milosh Pilot

9:05 pm - begin collecting

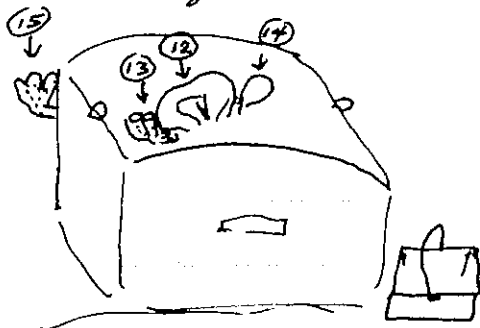
Collected CA-12 to pan

91-8-28.4



Collected CA-13 to pan with it

91-8-28.5



Collected CA-14 to pan but it rolled along some distance so hard to
he picked up 91-8-28.6



Last collected dead holy branching tube spg CA-15 91-8-28.7
by simply pushing off into pan

Later - off to bed - Dive continues...

24th Watch and Collect in Mess -

Nemo Retrieval ~ 3:30 pm -

I got fixatives out + ready - but sponges brought
out dry - oh well - 1% Osm in 6.25% fixative in 0.2M - S-Calcium
w NaCl

EM fixed piece of CA-12 [later proved Demospg]

+ CA-13

then + all other live ones in piece to ROH + Rest dried.

Heavy Rain through the process

EM used so 1 shot for 45 min - 2 rinses cold buffer -

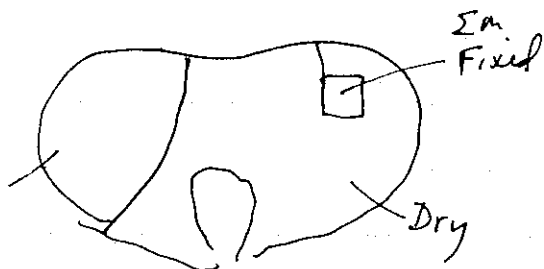
then 3x Cold Seawater - 1x 45% EtOH → 95% EtOH. →

1991
24 Aug.

Cent Am

CA-12

70% ROH

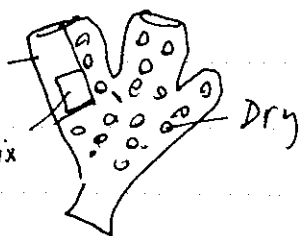


Dry

CA 13

70% ROH

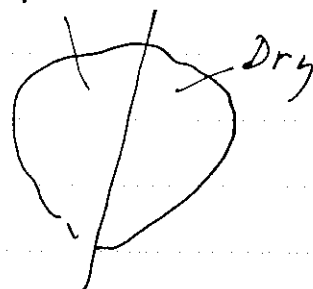
Em Fix



Dry

CA 14

70% ROH



Dry

Dive P21

Photo these w Tech Pan but very DARK!

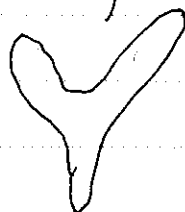
BW Neg 10:40:2 + 3

Did not dry the remainder - just blot, rinse FW, blot → Bag.
Finished by 5pm -

Got Flat Autocalcified Blade from Ruth processing wood sample

Long Lead skeleton CA 16

91-8-28.8



25 Aug - Washing & Sorting Wood samples - & Dredge mats
Tubes, Shells, etc.

Ruth got bored in the Pine ~ 4mm diam inside small
holes on surface.



Dive C21

Nemo back down in Early Am - Dive C21 starts

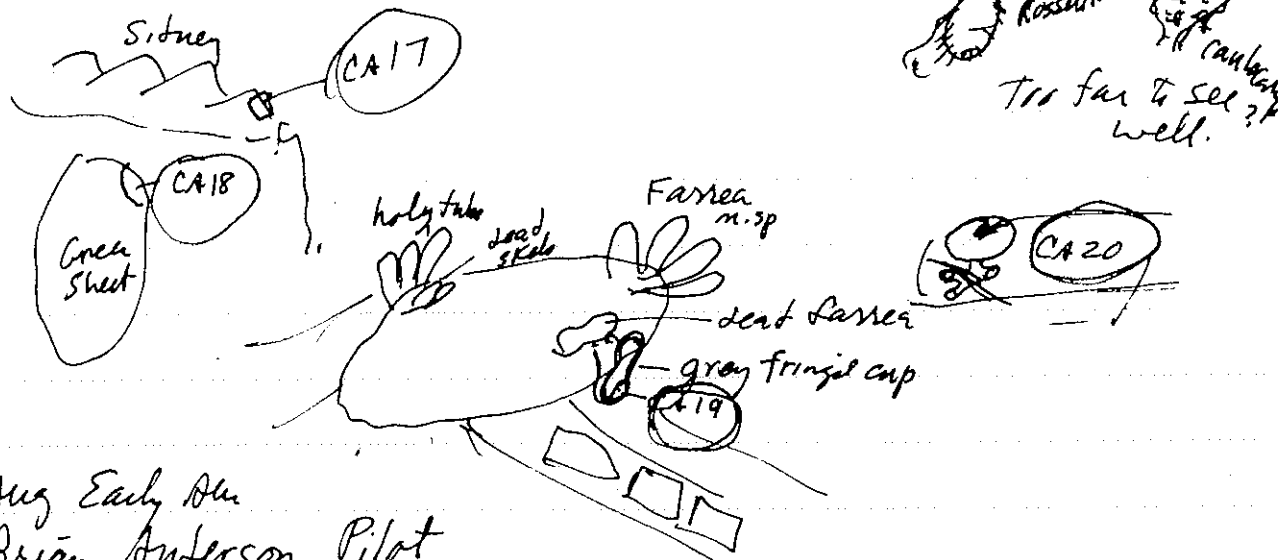
New Size Record Bar 933 oz.

Late Evening plan bed sampling - into control Room ~ 12 Mid.

Cent Amer.

1991

Watched Fauna around Sydney Opera House Location
Shrimp on Farrea m.sp. -



26 Aug Early AM

Brian Anderson Pilot

1:15 AM Sample Sydney Opera house - small edge 3 x 4 cm

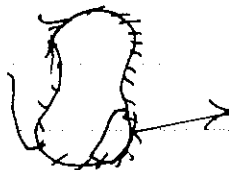
1:55 Sample Green plate 5 x 8 cm

CA-18 91-8-28.10

CA-17

91-8-28.9

2:00 Sample gray Cup



CA 19

91-8-28.11

Close tray 2:05 AM.

Moved Tray & got Knife - to the Mushroom Clouds Spj

Sampled w Knife - hard to get off - broke finally

So left ~ 1/5th on wood to regenerate -

CA-20 91-8-28.12 - Called Most of the Wren

2:40 Closed Tray.

3:AM to bed.



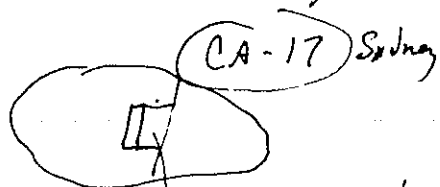
1991

Cent Am

Aug.

26th 9AM - out to walk around all day - ~~Ben~~ News Still down
Late in Aft ~ ~~5~~³⁰ News retrieved.

by ~5:00 Samples brought out to work area - Again
all dry - oh shit! - did the preservation again



Em Fix, rest to bag to dry sometime



Em fix
Rest to bag to dry.

+ lots in wet vial



CA-19 → to dry



CA-18
Dead skel → to dry
as expected

BW photo
10:40 3:45
Ruth + Eddie Processing wood - got several small
spgs(?) from the wood of CA-20 Attachment.
CA - 23, 24, 25, 26
+ a dead holy tube skel CA-22

Packed my stuff & threw over Excesses.
Ready to leave in AM.

Cent Au

1991
Aug.

27 AM "Reel Action" brought out new crew + visitors

- Tommy (Harvey) Thompson
Barry Schatz
Paula Steele
Buck ... investors
Tim ... investors son - Reporter
investor

Crew Shined then around + Chance to work controls

Left on Reel Action at ~ 2 pm - w investors +

Cruised to shore slowly ~ 15 Knts

Caught 80 Lb yellowfin Tuna & on the way in.

Rain Clouds, Lightning -

Supper Lasagna dish ---

Slowly in - Slept ~ 10-3 am - up to watch

but full moon - So No Phosphorescence to see well

Landed at Wrightsville Beach outside Wilmington NC

at ~ 6 AM - out to Breakfast - then to Paula's for a shake out +

off to Airport at ~ 10³⁰ (watched Disney Channel
Tape) .. Flight w Ruth to Charlotte NC +

connected to Charlotte - Syracuse NY - MTL plane at ~ 3⁰⁰

Uneventful flight home - Arrive ~ 6 pm.

Eddie Herdendorf

Captain -

Bob Evans

Alan

Pamela - cust.

Mike Milosh Pilot

Milt - photo

Kevin. Elect. Pros

Cherry cook 2

Brian Anderson Pilot

Micky cook 1.

Todd Steele - Copilot

Ruth Turner

1993

LEE Stocking Island Trip June 1993

LSI

NOAA - NURP - CMRC Lab.

Objective: Survey Hexacts; Collect Specs; Fix Tissues for EM
Assess Pop. Densities. with Submersible; Claw Meas.

This Page: Personnel:

Ralph Knight - Plane Pilot

Bill Head. Director in residence - (I do not think I met him)

Richard Jones Admin

Sherry Hall - Admin

Judy Lang + Aaron Land Coral Reef.

Mark Carr "Predator"

Tony Kasberg - ~? Lobster or Groupers

Zoology Dept
Univ of Texas
Austin TX
USA 78712

→ Bassett Maguire Coral Reef.

Andrea Risk - Mike's Daughter - "Predator"

Wade Watanabe - Groupers

Bill Patton - Ex McGill - Lobsters.

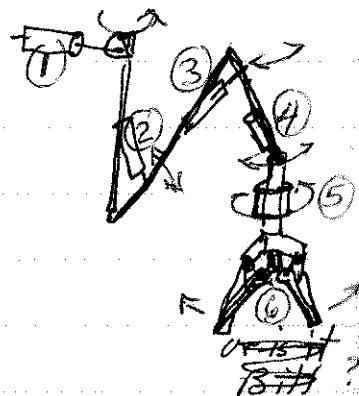
Bob Wickland Jr Sub Pilot/

Ted Clark Sub Pilot/

Kevin - Dive Officer

Danny Gouge - Virginia

Shelly Anthony



— ABS No 7120190

"NEKTON GAMMA" - on Location at Carib Mar. Resch. Ctr.;
Lee Stocking Is; Exumas, Bahamas

Operated by: Seacoast Resources Inc, POB 740084 New Orleans
LA, USA 70174 (504) 392-0181

has ^{cond. temp depth} C.T.D.; D.O., P.A.R., Hi8 video, Extnd Strobe

1993
14^{Mon.} June

Start: Flew Delta MTL → LAGuardia 1hr -

Connect: La Guardia → West Palm Beach 2½h - in at ~530pm

Same Plane Number switch; On arrival change Ref's flight
to 24th since cannot tell when will arrive 23rd - very fuzzy info
Hampton Inn / Denny's

15^{Tues} June

Check out .. van to BizJet Airt with ~ 5 others + Picked
up 3 more others - Stand around + Wait for Plane to get Ready -

Cram Packed
Plane w/ boat
parts, food, etc

Dual Engine Beachcraft Turbo. Left ~ 930 AM flew out
to Bahamas - small strip + clear Customs at Minor Shed.

Off to Lee Stocking Is arrive ~ 10:30. Plane left ~ Noon.

Accom "VIP #2" w Bassett Magnus - 4 Bed Bunkhouse style
Air Condition, Veranda, Toilet + Shower - OK.

Lunch. Snorkel part of Lab to see shallow spgs.



① Chromis micula? brown chichu liver; ② Ircinia variata
w black oscula; ③ Cliona langae ④ Soft black Chondrosia?

⑤ Red stick - many ⑥ Ircinia strobilina Big Black,

⑦ Tan cushion - ? Ircinia? ⑧ Cliona red/orange papilla

C. langae clearly a major substrate occupier - Patches 5 feet -

Color morphs; interfaces; Space competition pretty fierce

Lots of Fish, Angelfish several, surgeons, Nassau group.

Only one set of clear fish feeding on the black soft sponge

w hourglass Bits [~ 10 bits in a ½ m circle on

several separate specimens - all same species.

Up 6:30. Bkfst 7:00 Fool around waiting for Sub...

Sub into water 8:30; tie up to 'Exuma Hunter'

Bob, Ted, Aaron + I off to Site [BA] -

16^{WED} June

Dive #139 w Ted - check out shallow to 300 ft - Lots of Normal Reef spgs

which Agelae, Tube Aphysisc + Agelae, Clubs of ? ☹ check out video then up

1993

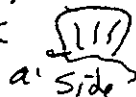
wed

16 June
cont'd

Dive [140] w Bob Wicklund to 860ft

stalked Crinoids, ophiuroids, hermit crabs, Tun shells, gorgonias,
small Ahermatypic solitary corals, 2 possible? Dactylocalyx

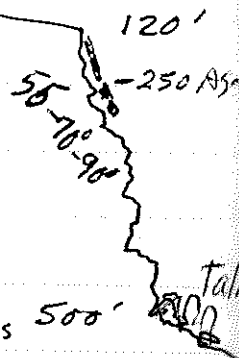
ca 2 1/2" diam



Tubular Form

Slope is steep to ~ 500' say 70°

Then ^{gentler} shallower slope from 500- 700' ~ 40°-35°



Several transparent grapes - possible spg or Ascidor brachs 500' + some possibly of each group. - on ledge margin + under ledge

lots of small tubes sticking up from sediment cover ~ 3mm diam or so may be anything; lots of hydrozoans

Tried to sample collect a rock but Manipulator would not open

- Repeated Repeated Repeated Power to manipulator - WTHOA -
Smell + Smoke inside!! rapid ascent from 680'

Hydraulic failure inside - Return to lab ~ 1pm.

Aaron rode it back

2:30 pm - snorkel off beach on windward side -

a few Chondrosia but not much sponge there.

3:30 Retn, shower, plates out.

5:00 pm mix Glut + Buffers solutions -

Walk the Paths to beaches - Photo color. Finish Roll

7:00 Spagetti suppe.

Even - removed 3 Video tapes; Survey Stars

Vide
No Tape

1993

Thurs
17 June

up early - Windy day - Check out waves in Small boat - No Dive!

Snorkel off Lah - collect common spgs -

93-6-17.1

(1) A Chomtrilla brown

93-6-17.2

(1) B Chomtrilla brown

93-6-17.3

(2) Cliona lanceae - green spreater

93-6-17.4

(3) A Black softie - ? Chondrosia

93-6-17.5

(3) B Black softie ? Chondrosia

93-6-17.6

(4) Black Borer w hairy papillae  ? Cliona

Fixed in Lah w old Rusty Formalin - Probably waste.

Lunch - Ham Sandwich

Review more Video Tapes

3:30 pm SCUBA DOCK Dive Check out

Supper - Pork Chops

Eve - view more Video Tapes + Stars - Still Windy!

Wind still up - No Sub dive today!

Fri
18 June

Dave AM with Judy Lang group.

Butty Shelly Anthony to Front Reef Platform

50-60' good Montastrea reef w under cuts

Great variety of Fish, spgs, gorgonias 32 min
with 3 min decompression.

Lunch Hamburgers

PM Copy out Nekton Log basics of dives + watch Videos

Supper - Conch Chips

Eve Judy Lang + Bassett Maguire Seminar on Coral Studies.

"Noninvasive Coral Studies"

1993

Sat
19 June

Wind still up - No dive
Reviewed more videos
Sne Party at Beach Cottage

Sun
20 June

Try to dive today -
Out to site AA at ~ 10 AM
Dive # 141 at AA to 850' - Bob Wickland - Survey
found no certain hexacts here but lots of hard substrate
Brachiopods, Ascidiarians, Short stalk crinoids (Holopura)
Up to Surface for lunch - Waves still high

No
Video

Dive 142 at AA ~ 600' w Ted Clark to collect Rubble
well Ted couldn't collect a thing! Party manipulator
failed to open & close properly but other operator problem
End Dive on very low morale notes - Nothing is
collectable! Not with this instrument & crew.
Ran in about 1:30

Rest of day - cleaning, shaving, writing, reading - rejuvenating
& Avoiding the realities of failure.

Mon
21 June

Weather a bit improved.

Drove sub to further transects

Dive 143 at BB to 900' w Bob Wickland -

Claw would not open! Saw Dactylocaulus fairly common
ca 1 per 30 ft.; Knocked over glass form but
couldn't pick it up nor push into Bag!
Major Frustration!! had to leave it.



No
Video

1993

21 June
Contd.

Tried another + push into bag with Bag support - Just Bent it - not strong enough.

Only 2 spec really seen + Attempted here but prob more around. No video taken.

Return for Maneuvering air supply

Worked on Strapping claw - eventually worked

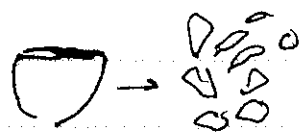
Just + Bassett came out in Boat - soaked! Kevin is not a gentle person!

B. Maguire Dive [144] fm [BB] → [BC] at ~ 150-300' to survey Agaricia plate colonies w Ted Clark

HMR Dive [145] at [BC] to ~ 900' w Bob Wicklund
Claw is presumably working -

Some Video taken.

#1 Lactyls - grabbed Fast - it Exploded



#2 Lactyls - push over - ^{try gentle} pick up - it rolled + tumbled + rolled + rolled + rolled..... to the end of Exuma Bay Sound.

[93-6-21.1]

#3 Lactyls - small - crush in claw + left there to retrieve at surface - Bag now too full + put in.

On Recovery - it was ca 4-10 small pieces - Not much good but maybe taxonomic verification.

J. Lang Dive [146] at [BB] to Survey Agaricia also...

Then Back to Lab ~ 6 pm. George Dennis had arrived.

* Hering: Rinsed Hex trays F.W. brief - to 952 RCH - dried outside.

1993

Tue
22 June

Last chance Day!

Sub out at 9:30 - Bob made a Canvas Shovel for Claw Core
HMR Dive [147] at [BA] - w Bob Wicklund. 950
Moved north found & knocked over & chased 3 Jactyls.
No catch again! - Rollers.
Return for more air

HMR Dive [148] at [BA] w Bob w

Moved North again - Not much seen -
Retrace & moved South - Saw several, Tried
them - again we made them into rollers or
flakes - No catch. - Bob: "We need to make
it stiffer - it bends & flexes too much".
So up we went.

Called Lab to put off George Dennis for Tomorrow

Bob & Ted worked there on board to put a support Bar
down center of Canvas Bag. - The model 2 Wicklund Bag
I can't see how this is an improvement - but I am
only the observer!

HMR Dive [149] at [BB] work south with B. Wicklund

None seen for a while then several.

Again w Knocked them, we rolled them, we beat
them, we pulverized them but we never caught
them!

Back to Lab, totally Defected at ~ 5:30 pm. A TOTAL // FAILURE.

1993

22 June
→ conts

6 pm snorkel & collect a few shallow black softie. Chondrosia
Back to lab in bucket.

93-6-22.1

Fix (A) in Glut-Osm/4M Mix - normal Hex Fix -

93-6-22.2

Fix (B) pcs in Glut/Collid Fix only

93-6-22.3

Fix (C) " " " " " "

All at Room Temp ~ 85°F outside!
Left in viab over supper

After supper - rinse there in SW., rinse in F.W.,
then # 30% 50% 70% 95% "Leutend ethanol."

Packed up stuff - distributed non-returnables.
Washed living stuff. - got ready to leave
Failure Island. - Fantasy Island.

Packed up - ready to leave - walked all the beaches
waited, waited, waited

23 June

Plane flew in some - left for Andros to pick up Geol Studs
Dropped them at ~ 12:30 - off to get a 2nd load.
Everyone doing musical beds today to accommodate the
new short-lived group.

We finally got off ~ 2 pm to Nassau to clear Customs +
Intro W. Palm Beach ~ 4:20 PM - Some truck & catch connections.
I shuttled to Hampton Inn again - Nice Room - Supper Denneys

up - lazy day; fly Delta at ~ Noon to LaGuardia
+ connect to Montreal flight - home by 5 pm.

24 June

- End Trip -

June
1993

1993 Lee Stocking Island Extras.

June
1993

00:03:56 MUD CLOUD;
END SCENE

- BLANK -

00:16:44 14:17:36 8/3

- BLANK -



CONTINUE DIVE 145
00:20:01 14:20:54 876
VIDEO DACTYLOCALYX NICE AGAIN
20:34 TRY COLLECTION WITH CLAM -- TRY KNOCK OVER
20:45 SECTION KNOCKED OUT OF WALL
21:10 THEN VIEW BLOCKED AND MUD CLOUD
21:17 KNOCKED OFF WALL BY AUDIO "THERE WE GO" BUT NOT VIDEO
21:20 BRIEF VIDEO OF SPONGE FALLING FORWARD
22:30 VOICE: ROLLING, ROLLING, ROLLING - WILL NOT COME TO REST
STILL ROLLING AND TUMBLING - WILL NOT COME TO REST
FOLLOWING IT DOWN THE SLOPE
00:24:46 14:25:45 912
END OF SCENE

VIDEO RECORDS OF NEKTON GAMMA DIVES GA93-145, 148, 149;
 22 JUNE 1993, LEE STOCKING ISLAND, BAHAMAS
 VIDEO TAPE VHS-SONY RECEIVED FROM Heine Proft, CMRC
 ca. 10 July 1993 (sent out 1 July 1993)
 (407) 234-9931 -- CMRC - Vero Beach, Florida

TRANSCRIPTION/DESCRIPTION BY HMR ca. 25 JULY 1993
 not word for word.

TIME VCR	TIME TAPE	DEPTH	DATE TAPE
-------------	--------------	-------	--------------

DIVE # 145 LOCATION "BC"

00:00:01	14:02:48	897'	6-21-93
CLOUD OF MUD			
00:00:36	OFF		

- BLANK -

CONTINUE DIVE 145

00:02:06	14:04:54	879'	"
MUD/ROCK SURFACE			
2:23	DACTYLOCALYX ON PLATE EDGE - NICE		
2:52	TRY TO GRAB WITH MANIPULATOR		
3:01	MISSED, CLAW ON THIS SIDE		
3:10	CANNOT SEE ANY LONGER - VIEW BLOCKED		
MUD CLOUD;			
00:03:56	END SCENE		



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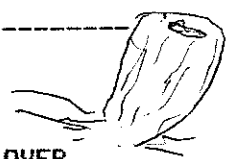
CONTINUE DIVE 145

00:10:53	14:11:45	872'	6-21-93
LENS CAP ON -- AUDIO ONLY OK			
CRINOID THERE'S ONE ...			
CRUISING IN SEARCH			
00:16:44	14:17:36	873'	END SCENE

- BLANK -

CONTINUE DIVE 145

00:20:01	14:20:54	876'	"
VIDEO DACTYLOCALYX NICE AGAIN			
20:34	TRY COLLECTION WITH CLAW -- TRY KNOCK OVER		
20:45	SECTION KNOCKED OUT OF WALL		
21:10	THEN VIEW BLOCKED AND MUD CLOUD		
21:17	KNOCKED OFF WALL BY AUDIO "THERE WE GO" BUT NOT VIDEO		
21:20	BRIEF VIDEO OF SPONGE FALLING FORWARD		
VOICE: ROLLING, ROLLING, (NO VIDEO)			
22:30	STILL ROLLING AND TUMBLING - WILL NOT COME TO REST		
FOLLOWING IT DOWN THE SLOPE			
00:24:46	14:25:45	912'	END OF SCENE



- BLANK -

2

CONTINUE DIVE 145

00:11:11 14:27:56 914' 6-21-93
MUD ROCK FACE; SURVEY FOR SPONGE - NO ENCOUNTERS
00:12:59 14:30:55 886' END SCENE

- BLANK -

CONTINUE DIVE 145

00:31:21 14:32:17 859' 6-21-93
ROCK OUTCROPS AND MUD -- SURVEY
32:10 VOICE: SPONGE SEEN UP HIGH ON BLOCK; NOT COLLECTABLE
843' VIDEO OF THE SPONGE ON BLOCK FROM DISTANCE
32:33 828' STALKED CRINOIDS ON VIDEO AS WE PASS
GOOD SHOT;
32:56 PERHAPS DACTYLOCALYX NEXT TO THEM WAS
NOT NOTICED BY EITHER VIEWER.
RETURN TO SURVEY SWEEP
00:33:42 14:34:39 917' END SCENE

- BLANK -

CONTINUE DIVE 145

00:38:09 14:39:09 901' 6-21-93
SURVEY ROCK OUTCROPS SOME MORE - SHORT SCENE
00:38:39 14:39:36 903' END SCENE
END DIVE 145 - LAST DIVE WAS JUDY LANG'S

- BLANK - CHANGE DAY

DIVE NO 148 AT LOCATION "BA"

00:39:30 10:41:20 901' 6-22-93
VOICE : WERE HERE BEFORE .. THEN VOICE LOST
924' VIDEO SURVEY - POOR QUALITY;
MICROPHONE NOT WORKING OR NOT COPIED
41:30 MUD CLOUD
VIDEO COMES ON SIDEWAYS WITH CAMERA LYING ON SIDE
AUDIO STILL OUT
42:50 TURN VIDEO RIGHT-SIDE UP; AUDIO INTERMITTENT
907' SURVEY ON MUD W ROCK OUTCROPS (MOST NO AUDIO)
GOOD VIDEO SURVEY CONTINUES; NO DACTYLOCALYX HERE
45:50 867' STILL SURVEYING
47:40 845' STILL SURVEYING -- AUDIO STILL MOSTLY OUT
48:00 847' AUDIO ON; STILL SURVEYING RUNNING NORTH
AUDIO BREAKING UP - ON/OFF
51:00 START UP DUNE .. THEN ANOTHER DUNE
SURVEY CONTINUES .. ANOTHER DUNE
54:40 TURNED AROUND AND HEAD SOUTH
55:11 824' COMMATULID CRINOID (GREY)
58:00 845' STILL SURVEYING - AUDIO IN/OUT
59:30 875' CANNOT FIND ANY [DACTYLOCALYX] HERE
SURVEY CONTINUES TO SOUTH

3
HILL SURVEYING ROCK OUTCROPS
HILL SURVEYING ROCK OUTCROPS
11:13:57 843' END SCENE - NO SIGHTINGS!
140

- BLANK -

DIVE 149 AT LOCATION "BB"

01:25:30 13:10:54 565' 6-22-93
VOICE: SURFACE WATER TEMPERATURE 26.8 DEG C
DESCENDING
-- BREAK --
1:25:55 13:17:49 919'
VOICE: 925' BOTTOM TEMP. 18.6 DEG C
915' HYDROIDS, SMALL DACTYLOCALYX -- NO IT WAS NOT!
914' LITHISTID? SPONGE, UNHEALTHY LOOKING
1:28:58 13:20:50 906' VIDEO ON; SURVEY SOME MORE
1:32:15 13:24:10 894' MOVING UP ON A DACTYLOCALYX VIDEO ON
DROPPED MANIPULATOR-SCOOP IN FRONT OF IT
PUSHED IT FORWARD - MUD CLOUD - WAIT TO CLEAR
DID NOT GET IT INTO SCOOP BAG!
01:34:46 13:26:37 893' END SCENE

- BLANK -

CONTINUE DIVE 149

01:35:10 13:44:13 898' 6-22-93
VIDEO MANIPULATOR WITH BAG - SHORT SCENE
TRIED COLLECTION BUT NO SUCCESS
01:35:50 13:44:51 901' END SCENE
END DIVE 149 END OF TRIP

END OF RECORDINGS

July - Aug

1993

Cape Breton Is, Nova Scotia Trip 28 July - 6 Aug 1993

(A) 1 Aug '93 "French Mountain Bog" (afen) Cape Breton Highlands Nat'l Park (CBHNP)

46° 44.5' N x 60° 50.2' W; Pond ~ 4m diam x 20cm max depth; Spec collected

93-8-1.1 #1 - *Spongylla lacustris* - green shoots at ~ 10cm depth - 1 vial ETOH fix vial #1

(B) 1 Aug '93 Cont'd - Warren Lake, CBHNP n of Ingonish N. Sc; Survey NE side
46° 42.7' N x 60° 22.7' W; Rocks 2 - 25cm diam + coarse sand; Heavy Slime

Cored Rocks toward Center; Wade to ~ 20cm
ID by Temp spicule preps on 8 Aug 93:

93-8-1.2	#2	<i>Spongylla lacustris</i>	
93-8-1.3	#3	<i>Spongylla lacustris</i>	
93-8-1.4	#4	<i>Spongylla lacustris</i>	
93-8-1.5	#5	<i>Spongylla lacustris</i>	
93-8-1.6	#6	<i>Eunapius fragilis</i>	Prob = .95 No g/g.
93-8-1.7	#7	<i>Eunapius fragilis</i>	old genus; Bryozoa
93-8-1.8	#8	SLIME	= filamentous bacteria
93-8-1.9	#9	<i>Eunapius fragilis</i>	w. gems
93-8-1.10	#10	<i>Spongylla lacustris</i>	
93-8-1.11	#11	<i>Eunapius fragilis</i>	p = .95 No g/g.
93-8-1.12	#12	<i>Eunapius fragilis</i>	basal gems
93-8-1.13	#13	<i>Spongylla lacustris</i>	outflow stream
93-8-1.14	#14	<i>Eunapius fragilis</i>	basal gems
93-8-1.15	#15	<i>Eunapius fragilis</i>	p = .95 No g/g.
93-8-1.16	#16	<i>Eunapius fragilis</i>	basal gems - bryozoa.

sample Area
warwick
↑ ↑ ↑ ↑
Day later
Next Time Sample here

Did Not Have time to sample South side - Later Heard likely some +

(C) 1 Aug 93 Mary Ann Falls, Mary Ann Brook, CBHNP N. of Ingonish, N.S.

46° 45.7' N x 60° 21.4' W Surveyed ~ 50' of creek - No Sponges.

(D) 2 Aug 93 Margaree - 2 Bridges over Margaree River; Nova Scotia

46° 22.5' N x 61° 04.5' W. No Sponges.

(E) 2 Aug 1993 Cheticamp River, CBHNP at Entrance above Cheticamp, N.S.

46° 38.2' N 60° 56' W Survey River on Hiking Trail for 2 Locs - No Sponges.

(F) 5 Aug 1993 Canaan River; 1/2 way between New Canaan & Canaan Forks
on Cherryvale Rd; New Brunswick; off Highway 112.

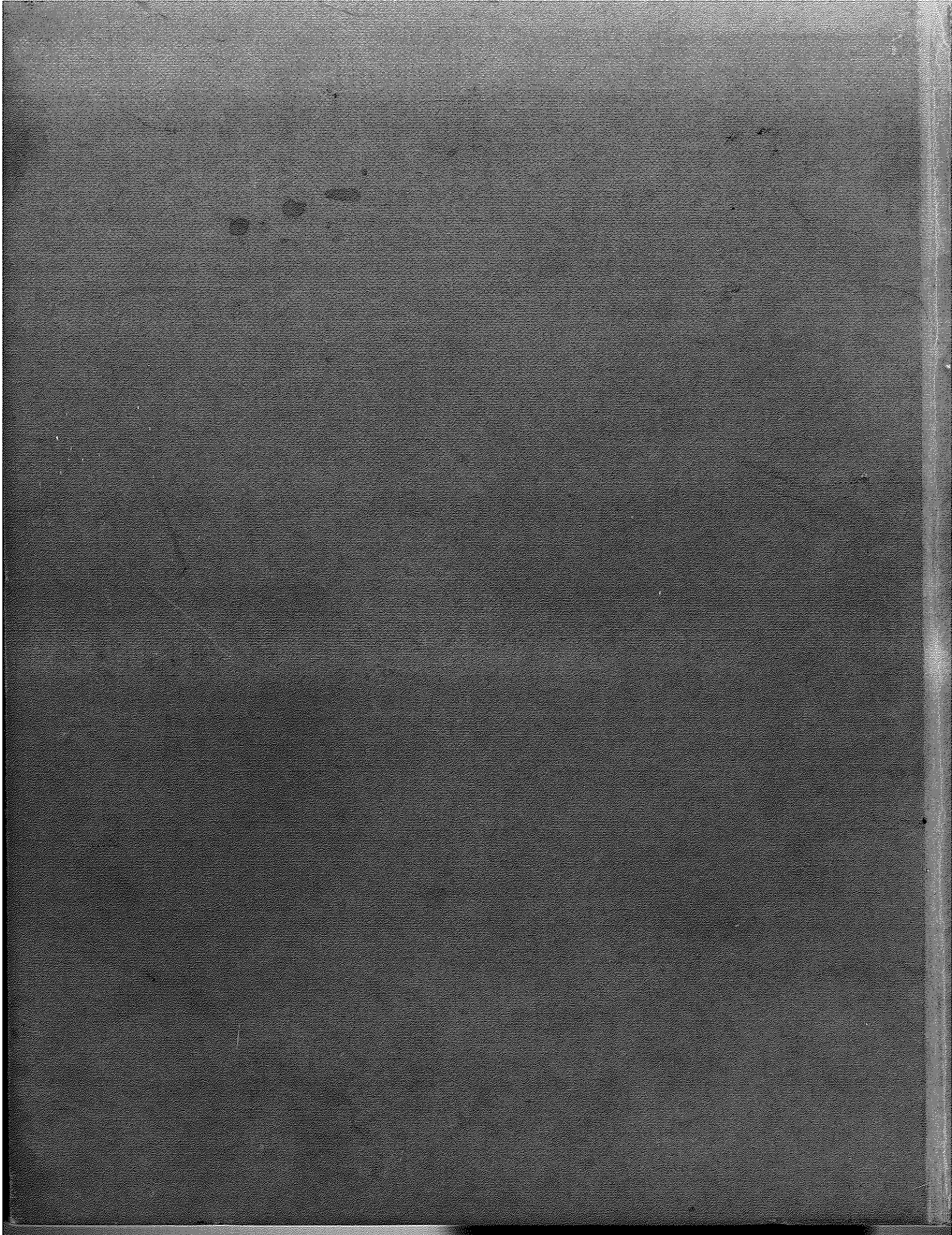
46° 03' N x 65° 31.6' W; Water depth 40cm; Sponge on rock in center
at depth ~ 10cm

93-8-5.1 #17-18 *Ephydatia muelleri* - green w basal gems.

Aug
1993

- (G) 5 Aug 1993 Canaan River - next Bridge west from previous
- several sponges seen on rocks but out of viols - did not collect.
small patches w low profile - prob E. muelleri.

- (H) 5 Aug 1993 St John River - N.B. $46^{\circ}59'N \times 67^{\circ}43'W$
Bridge N of Limestone N.B. Rt 105 Wade to 30cm - No sponges



H. M. REISWIG

FIELD NOTES

8.11.68

Aug 93