

Memoranda

DR. SCHMITT

Marine Biology

Sh. Rec.

Jan-Mar  
1963  
Notes



~~get~~ Bullards and <sup>initials</sup>  
hospital <sup>corps</sup> man who got  
Euphausiid at Seymour

⊗ Get Picture of  
Crab eader seal,  
skull and jaws and  
then a mess of  
the shrimp for  
the stomach of  
one we killed

Sorting  
outside Center  
#726-2803  
726-2803

FRANK R. POBLETO  
710-22ND. LANE  
NATIONAL CITY, CALIF.

MICHAEL P. DOTY  
114 IRVING AVE.  
ROCKFORD, ILLINOIS

LARREL A. NICKERSON  
5540 SO BROADWAY  
LITTLETON, COLORADO  
% wishing well Tr. Ct.

Acc. 247:268

247.268

U.S.S. STATION ISLAND  
% F.P.O. SAN FRANCISCO  
CALIFORNIA



D.F. PATTERSON  
119 WEST CREEK ST.  
FREDERICKSBURG, TEXAS

Until stuff is worked  
up can only speak  
in general terms  
of fauna

belongs unlabelled  
grass clump in 5 gal can  
# 73-63  
Peters core.  
March 4, 1963

Station 1B

Downnet haul - 1B.

Surf. 6 p.m.

Lat.  $54^{\circ} 05'$

Long  $165^{\circ} 42'$

sta. 1. Dec. 19, 1962

Sta 1 A. (a)

Cape Crozier

Ross Island

Antarctica

Dec. 19, 1962

Debris from under lge  
flat rock; lot.

Sta 1 A (b)

saved for Botany  
but look for organisms  
first. Dec. 19, 1962

~~get~~  
Hosi  
Eng  
Get  
Cra  
Skul  
The  
The  
The  
on  
Duts



got  
nos  
Euc  
Set  
Ora  
Skul  
The  
The  
on  
Duts

# Base (T)

This is station  
# ~~1~~ by Berg  
= (2)

Also <sup>square</sup> tent area on  
Avian Id.  
for Survey Party

= station 2  
Penguin colony

Fish traps were pulled  
on 20th?

January 19, 1963

Marguerite Bay  
# ~~1~~ Avian Island

# 2a <sup>1963</sup> lots combined  
Berlesed from lichens  
mosses, and soil  
Berg +  
Jan. 19, 1963, Schmitt  
coll.

2b - 1963  
Algae from inland  
f.w. pool Poblete coll

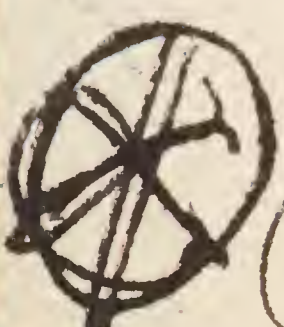
2c - 1963 Berg coll.  
from above rookery  
branchioids in vial  
f.w. Pool Avian Id.

2d algal material  
from melt pool under  
Avian Id rocks

2e algal material  
Avian Id, f.w. pool  
for remestans <sup>or tide pool?</sup>  
near shore

from fish traps  
but no fish. in caps.



~~get~~  
hos  
Euo  
  
Ged  
Ora  
Skul  
Mer  
The  
The  
on  
Duts

Jan 20, 1963 (5043)  
Rothera Pt.  
Adelaide Id.

Station # 3

3a<sup>①</sup> snow algae red  
3a<sup>②</sup> " " green  
3a<sup>③</sup> " " much deeper (thicker) green  
up on slope of hill.

3b. From fish trap  
bait Rothera Pt  
3 little (dry) Adelaide Id  
Jan. 20, 1963  
<sup>see urchins</sup> amphipods & worms

3c From moss  
Berg coll. &  
spec. of moss

3e Lichens from  
rock (tiny  
samples of)

3d on rocks dried &  
fragment of seaweed  
urchin brought to

new to me



Addition of bacterial mixed 4e + 4e2

(Site) = Base N.  
~~Base D~~ (Lentor)  
Anvers Id

On some labels  
called this Hut  
Base

Is former British  
Base N, perhaps  
best designation

Sta. 4<sup>e</sup> Grass dumps  
from Base N. area <sup>Schmitt + Crowell</sup>  
Berlesed. & saved coll  
(4e(2) from mosses)

Sta 4d - 63 <sup>Torgesen Id</sup>  
Berlesed material  
& insects  
from Adelie colony  
~~Anvers Id~~ coll by  
Sta 4(f) Doty  
branchiopods, were ~~not~~  
living

English ~~Antarctic~~ Base  
~~Antarctic~~ Island  
Base N. Jan. 22, 1963  
(got some rocks here)

Jan. 22, 1963 = (Sta 4)

Sta 4a  
Dip net (turbox net)  
from ~~ice~~ melt  
water stream past  
Base Hut. sort for organisms (is <sup>for</sup> algae  
primarily)

Sta 4b "Jacks"  
{ Crowell coll.  
sea weed and  
limpets from sea  
shore in Benaparte  
Point Inlet.

Sta 4c From  
S.W. pools above  
Base "N" Hut.  
2 jars from plant  
material among which



5045

Jan. 23, 1963  
From Fish trap <sup>in 26 fms</sup>  
off Janus Id (?)  
Arthur Harbor ~~⊗~~

This first haul steak  
bait was not good  
for fish anywhere  
so it seemed  
~~to be a loss~~

traps with seal  
meat bait were  
put back and  
lifted in air of  
25<sup>th</sup> which see



Jan 24-63  
Sta 6a-63

Berlesed material  
from Bonaparte  
Point ~~mass~~

Sta 6b-63 A dry pack  
Jan 24, 1963  
Bonaparte Inlet.

This shell may be  
common but was only  
one seen by one of  
the men.

Arthur Hbr. Inves I  
"one ascidian?" of  
uncertain origin  
of this day (24<sup>th</sup>)  
~~Arthur Hbr. Inves I~~  
~~Jan 24, 1963~~

Sta. 6-1963 Sta. 6

Jan 24, 1963

Inlet by Bonaparte  
Point Arthur Harbor  
Anvers Island  
Iron crushed trap  
set in 4 fms.

Small berg drifted  
in upon it.

(inlet alongside ice cliff  
west side? Point)

Large ascidians were  
dislodged in the nearly  
an hours job we had  
getting this trap up.  
No fish, mass amphipods  
on bait tho.  
Algae were thick  
along shore.



Arthur Harbor  
Anvers Id

Ship was an-  
chored in 12 fms,  
and "bucket" was  
hauled in

from ~~17~~ couple  
100 yds from ship  
by hydrographic  
winch & cable

Silicious ~~sp~~  
sponge &  
ad green <sup>grass</sup>  
sea urchins

12 fms ) 64° - 46' 03" S  
64 - 04' 00" W  
Arthur Har Anch

Jan 25, 1963 <sup>Arthur Har</sup>  
~~Base~~ Sta # 17  
At anchorage  
Dredge haul mud  
bottom stiff blue-  
17 to 12 fms grey mud  
very powdery  
when dry & brushed  
off clothes

2 large clam worms  
many goe duck types  
mostly broken & some  
small northern type  
clams white, & horny  
ones too.

many worms & worm  
tubes. There were a  
lot of mud dwelling  
amphipods. acidian  
~~sp. of "jelly"~~ chordate  
from this dredge  
haul also.



This # B-63  
is off James Id  
off Arthur Hbr  
Anvers, Id

Jan 25 - 1963 S O A 8

From fish trap  
James Id

Misc. material


Star fish; amphipods

→ Fish this day  
88 ranging  
in  $14\frac{1}{2}$  to 7 inches  
long. A selection  
put into freezer

We ate some; great  
eating

Piece of jelly  
from ~~the~~  
dredge haul  
belongs to #17



Port Lockroy  
Jan. 26 Anchorage  
64° 49' 03" S } mud  
63 30' 00" W }  
= 25 fms =   
Ship swinging  
dredged at

31  
~~28~~ = 56.692 m.

Station #9  
"Mud bottom"  
Jan 26, 1963

Dredge haul in  
31 fms at ships  
anchorage, 10 a.m.  
Port Lockroy  
Wiener Island

many worms  
couple of ophiurans  
(small & slender)  
ascidian reddish  
elongate opening  
at each end  
several globular ones  
~~and~~ silicious sponge  
sea urchin dried  
and odd alcyonarians



Base A shore coll.  
Poblete got most of  
these things and  
large red amphipod

in Port Lockroy  
Wienicke Id

~~Some of the things  
found at Sta 10a  
also saved in bottles~~

Sta 10a - 63

Belewed material  
from only mostly  
found at Sta 10a  
very little that  
and no birds.

2 gon

Jan. 26 / 63 Sta. 10  
Port Lockroy 63 3

Shore; collecting  
about Base "A" by  
hand and with  
dip net

Jan 26 - 63

mostly about  
large island and "pier"  
1500 ft and berke  
Port Lockroy boat  
G. 1000 ft Wienicke Id

Surprisingly several  
numerous ~~Siphonaria~~ siphonaria  
in fish traps.

Worms & amphipods  
b. 3 of seaweed  
3 Metridium type  
anemones vial of  
Serolis + small snails  
gave on to T.W. Green iridescent



Jan 27/63 Sta 11

Fish trap from  
15 fms plus hose  
from 20 fms.

<sup>other</sup> 2 or 3 species

~~other~~ of larger  
amphipods are

from 15 fm. trap.

{ Port Lockroy  
Wiencro Id

Jan 27/1963.

17 Nototheniids

and goblet jar full of  
the 100's of nemertean  
stuck in 1/4 in meshes  
of trap.



Bleneau Id

12 d

pure moss  
stand for pure  
removed from  
algae of 12 c

Among rocks  
away from  
resting sites

12 e Lichens  
on rock

Jan 28 Petermann Id

Anchorage

67° 54' 00" S } mud

69° 00' 00" W }

= 27 Sm =

Jan 28-63 Stulz  
Hovgaard Id 3  
Penguin rookery

~~or if separate~~ little  
Id off north end  
of Hovgaard  
moss from rocks

12(a) the above  
Jan 28/63

12(b) few pcs sea  
weed from along  
shore

Jan 28/63  
from little islet N. end Hovgaard  
Id. Lemaire Strait

#12c Algae associated  
with moss in melt  
water. Used get  
patches of it minus  
moss.



Jan 29, 1963  
Port Circumcision  
Petermann Id.

#  
Soil 3-63

masses ashore  
and "soil" sample  
The Belosid material  
is but small part  
of what I brought  
back (was it all brought  
back?)

---

Jan. 29 Tow  
net haul.

# 6-63



Argentine Id anch.

65° 12' 09" S

64 13 08 W

= 25 fms = Rock, gravel + sand

Note 1967

Two dredge hauls

25-42 fms

45-76 meters

stalked ascidians  
are from anchor  
~~that day~~ Jan 30/63

Argentine Ids Base

Jan 30 - 1963

Sta 14-63

Argentine Ids

anchorages  
25 fms

2 dredge hauls  
at anchorages

Combined  
Galindez Id

Worms, gastropod

pc sponges sponge

star fish

3 large ophiurans

red sea urchin

42 fms = Sta. 14-63

Crinoid with  
stalked ascidians

put into Towner <sup>bottle</sup> haul

~~Sta 14-63~~ #4-63

Sta. 15-63

Mosses ashore Barlesed  
coll be 10 and 11 am. Jan. 30/63



Cape Tuxen  
16C <sup>yielded</sup>  
moss

63  
#16 Fish trap  
hauled 11:15 a.m.  
10:00 Jan 31/63

#16C Lichens growing  
on moss, pt. lichen  
pt moss

Believed pt fresh

#16 d dried out (dead)  
sea urchin shell  
picked up on shore

#18 = Lat. lugs =  
(on rocks  
on shore)

Cape Tuxen Sta. 16  
Jan 31, 1963  
see 'dawned hauls  
10:15 a.m.

Moss from Penguin  
Id. #16-63  
16C Moss from melt water  
under water in pool 63  
Mosses (a) from Cape  
Tuxen

Algae (b) do. do.  
rocks also

63  
#17 Moss from  
Green Id. W. slope  
"Tundra" formation?

63  
#18 Crinoid from  
anchor mud in  
Sms Jan 31/63  
anchored off Salinder Id.



Feb. 1. Paradise Hbr anch  
64° 01 00 S }  
62° 50 03 W } Rock  
= 33 fms. } both

<sup>off</sup> ~~Waterboat~~ Point # 17 <sup>63</sup> 63

Dredge haul  
Paradise  
Feb 7, 1963  
~~Paradise Hbr~~

33 fms at  
anchorage  
worm tubes  
large ophiuroid  
small "Rock Bottom"

see over ~~(X)~~ Large Chrysomelid  
floating by green <sup>see #18</sup>  
land crabs  
Rocks Bryozoa  
Hydrozoa  
worm tubes  
could not find  
soft slate.



Feb 1-63 #18

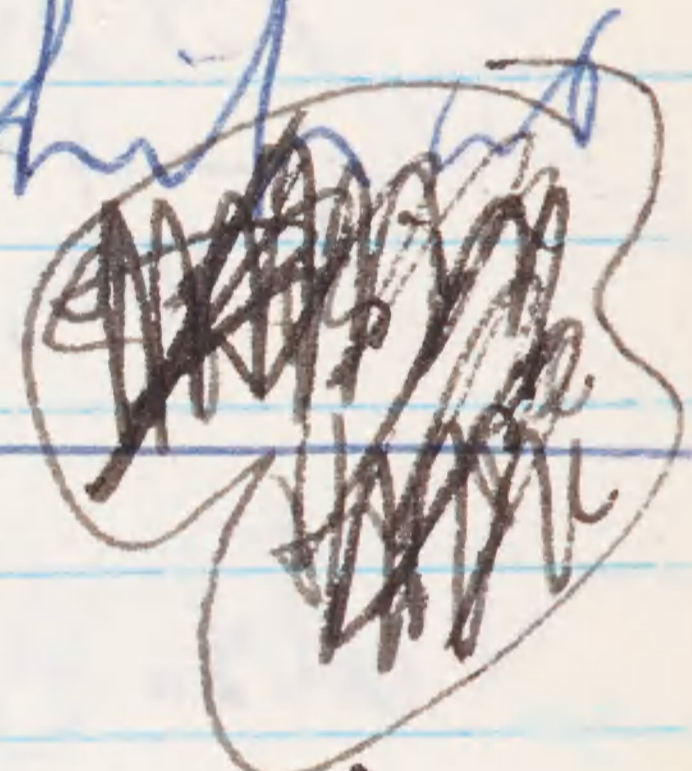
Jelly Fish

Chrysaora

Floating at surf

between Chalean

Base + ahit  
ancha.



18

was the  
Ctenophore



Feb. 2/63  
# 19<sup>a</sup> - 63  
From

Copper streak  
From 1st headland  
below West of  
Argentine Base  
Feb. 2, 1963

also little black  
pebble with blue  
streak what is it  
came up with dip-  
netted sea weed  
in # 19-63

---

Feb. 2-63 # 19  
Paradise Bay Apr 2-63  
Dip netting  
off rock about  
Argentine Base to west of it  
all specimens put  
in jar with large  
isopods in jar.  
10-63

---

in 3 to 5 feet  
rosy light tan  
of mucus  
white white  
white are  
eye almost vermilion  
little maxillae  
almost glabrous  
amphipod



#20  
From fish traps  
off Chilean Base  
Feb. 2, 1963

Amphipods +  
Hydroids 4  
Polychaetes 1  
and just a  
few larvae  
of stomatopoda  
hunched



~~uncertain about  
this odd lot~~

# Sta 21 - 63

Mosses and lichens  
from Argentine Base  
(Ad. Brown) and  
vicinity Feb 2, 1963  
near by head label opp

# 21 a from one lean  
tree trunk moss some saved  
some lichens with this moss  
were saved but not <sup>separately</sup> boxed

# 21 b coat of moss  
very wet

# 21 c. ~~near station~~  
mixed lot mosses  
and lichens.

# 21-63 Mosses 21-63 63

(head <sup>& lichens</sup> and near)  
from cliffs and  
exposed rock faces  
& crevices by  
Argentine Base  
Paradise Bay  
Feb 2, 1963

and some  
to westward of it

See over <sup>Feb. 3rd</sup> →  
# 22 - 63

Ballard coll  
Ctenophore  
Paradise Bay

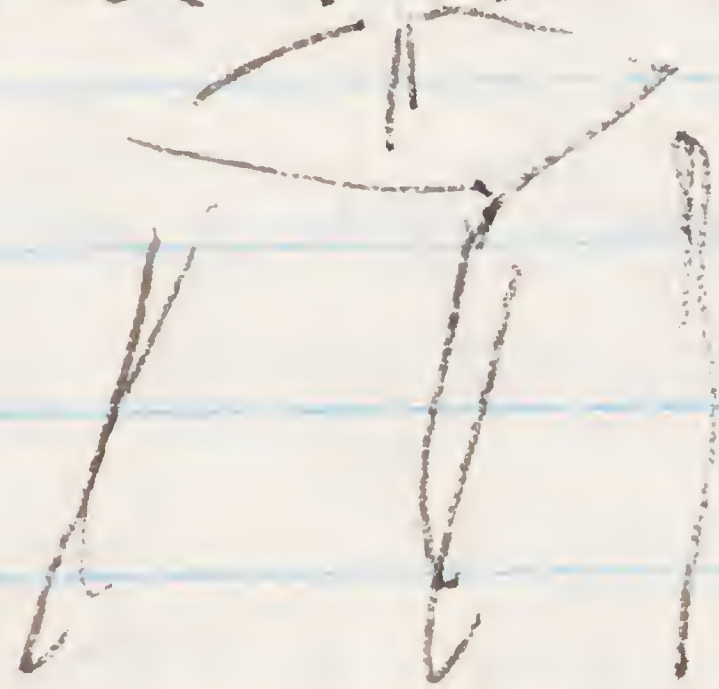
many small jelly fish  
were these the same things.

seen by Greenlaw Cruise



In Paradise Bay

This day Feb. 3/63  
Ballard dipped  
up a ctenophore  
looked like a Sarsia  
(?)



Squarish  
or was it  
pentagonal

hard combs on seams  
& tentacles or streamers  
about as long as  
body which was about  
2 1/2 inches long and about  
1 inch square on top.  
in diameter rather

could identify it from  
Mayor if he had it from

Feb. 3 - 1963

#23-63

65

Dip netting about  
Bird = waterboat point  
Genboos beyond Chile  
Chim stripes = Base  
= waterboat

Shags, blue eyed  
Great many large red  
Amphipods

Some Penguins feed  
about Base diving  
like duck & coming  
up with something  
they chewed on.

down here. Ctenophore  
went to pieces when firm  
was added



Feb 4 1963  
Lawrence } 65

Sta 24-63

Dredge haul at  
anchorage Paradise  
Bay 41 fms. <sup>hurry</sup>

Large rock about  
size upper half  
of drum and lot  
of smaller rocks  
& pebbles (not saved)

in rock mucky material  
during dredge, & bryozoans  
A. few small siliceous  
sponges in haul. gelatinous  
compound ascidian  
large globular one.  
clams Holothurian sea  
urchin  
2 caprellids, one polyg. in  
slender stalk.



These two from off anchor  
chain

Feb. 4/63 #25-63-65  
Fish Traps

Sta 25 - 63  
off Argentine Base  
Paradise Bay

5-7 fms,  
Amphipods 3-4 kinds  
Sea weed

Star fish 2 sp.  
~~Other animals trapped~~  
one hermit crab

White Agluthin  
1 ex 2 under as ex  
panded or contracted  
red  
1 sea urchin nucleus  
5-7 fms

17 fish 7 saved



Feb. 5

(4/6ms)

Feb. 5 <sup>and 27</sup> #26-63

~~Wedge Island Bay~~

3 in. and 2 1/2 in. #26-63  
2 white starfish from  
anchor at anchorage  
off Base @ in 4/6ms

1st haul 1st day  
anchorage Feb. 5/63 #27-63  
Dredge haul at  
Paseo Id anchorage off Base @  
in 4/6ms ~~collected~~

~~Starfish, Anchoas etc~~  
~~at and~~ 4 large ophiurans  
morning about 7:45  
8 a.m.

and dozen or so  
red sea urchins  
3 white starfish { 2 in }  
+ 2 tiny ophiurans { 3 in }  
                                  { 5 in }



46 fms

Feb. 5. # 28-63  
2nd haul at  
2nd anchorage of day

Dredge haul off  
anchorage off Danco Id.  
Comandore site  
off ERRERA  
Island in 46 fms  
make 41 fms

afternoon about 3:30  
a host of ophiurans } 5  
~~3 white starfish~~ } 3 and  
2 tiny ophiurans } 2 inch  
large clams and worms } dra.  
worm }  
coral + <sup>small</sup> number of small  
bryozoan fragments  
1 shrimp! Hippolytid.

Sta. 29-63

silversides <sup>fish</sup> picked up  
in snow by Archie Nash  
at Comandore site  
while surveying.  
= Cugerville Id.



Commander site  
= Cuverville Island #31a

Bottom Half page  
= 31 and 31a

From Cuverville Id  
1st time got wet feet  
& about ruined my deck  
shoes =

Feb. 5. Sta # 30-63:

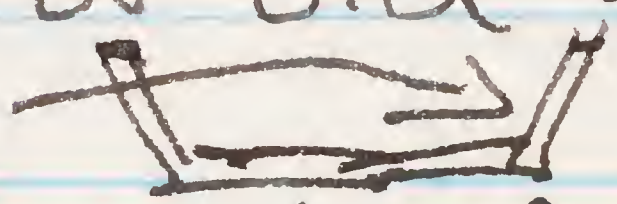
Poblote coll dinner  
Danco Id. near Base  
along shore

Amphipods + seaweed  
Red Kelp + Ulva

bottled with dredged  
# 27-63 material

which had no amphipods

# 31a - 63 picked  
from white vert lying in  
coll duck <sup>water</sup> crowd

Sta 31-63 from moss  
in bottom of old boat  
just ~~over~~  in starbo  
corner  
bet up-  
rights

Also, some rock  
specimens and pebbles  
in sack



# 32-63  
Lat 64° 19' 24" S,  
Long 62° 59' 18" W,  
Depth 25 2/6/63  
Melchior Idbr  
muddy sand  
off Gamma Id.

~~# 32-63~~

Mud & sand bottom

red

Sta 32-63  
Feb 6-1963  
Dredge haul in 25 fms  
off Gamma Id.  
Melchior Ids  
just off Argentine  
Base ~~⊗~~ large ~~⊗~~  
sponge

~~Yellow nudibranch~~  
~~large silicious sponge~~  
~~4/3 frozen 1/3 dried~~  
(2 doz acidians,  
paper shell ones  
worms, lot of alcyonarians  
brks bar fish; lot of  
sea urchins)

# 32 a. amphipods and  
small stuff from sponge



~~Sta 33 Feb 6-63~~

Fish traps Feb 6

~~20 fishes in 17 am trap~~

2 in 11 am trap

Feb 6-63  
Sta 33 ~~Feb 6-63~~

Hand lining over side  
<sup>I think this</sup> 1 Big eared fish <sup>9.30</sup>

② 1 large Nototheniid  
about 6 pm.

③ 1 small nototheniid.

④ Thomas got a  
small brown ~~fish~~  
liparid

Fish<sup>es</sup> from over  
side. Feb. 6-63



Somewhat of 2  
dressed  
Amphipod seaweeds

small red  
2 red starfish

Feb. 7-63

# 34 - 63 <sup>off</sup> Melchior Id. anch

Fish traps off  
Argentine Base Gamma  
Id. are on anchorage  
side of Radio tower  
point, in 11 fms; 2 fish  
traps on inlet side in  
5 fms. had 20 fish.  
ranging from 14 1/2 to  
11 inches in length.

most were intermediate  
or av. size, perhaps  
six approx. mated large  
being 13-14 inches long

~~Two~~ Two saved

Left ship at 6:30

Back at 7:05

Under way to Dorsten Bay



Feb 7-63  
# 35-63  
From 20 ft of old  
4 strand hemp line  
3 inch line  
pulled up by anchor  
several ascidians  
2 larger yellow priddy  
ones  
1 worm  
sea weed  
encrusting white -  
25 fms

150 ft

~~150 ft~~



Dredge haul  
this evening  
empty

Feb. 8, 1863.

I - 10 inch Dredge  
Dredge like  
others not saved  
caught over side

Stomachs of  
two largest opened  
largest practically  
empty  
other full of muck  
amph. squid

Feb 8 - '63  
#36 - 63 Fish in  
put out 8<sup>30</sup> <sup>12</sup> drags  
p.m.

Lifted Feb 9/63  
few same kinds saved

13 fish largest 1'3"  
next 1'1/4"

intermediates  
mostly of av. 11"  
size

smallest 9 1/4  
very smallest  
reddish only one  
and apparently  
young of above  
species but mark  
different says

Body = 5 1/4 inches



off Nauseb Id.

Brialmont Cove

Dredge Feb 9, 1963

64° 34' 00" S

62° 00' 00" W

27 fms. gravel + sand

4 27 49 meter

162 = 49.3

182  
27  
1274  
364  
49.14

Feb. 9 - 1963 #  
Dredge haul #

37-63

n Anchorage Sverdrup  
Harbor. 8:00 a.m.  
in 25 fms (make 18 fms)

x different rougher  
armed ophiurans previous  
were smooth armed  
no of large + few tiny

First brachiopods

cockles + clams

many red sea-urchins  
+ small white starfish  
few worms dozen perhaps

ascidians some sea weed  
bryozoa frag + rock  
with encrusting; also en-  
crusting calcareous algae  
on another; 2 amphipods

mud sample + rock sample  
1 large foot long nemertea



Feb. 10 - 1963 Sunday

~~Put out traps at~~  
6:30 p.m. # 39  
got seat # 39-63

opened up stomachs  
3 gallons "shrimp"  
= Euphausia

pack solid  
seemed to be 2 sp. each  
combined to half stomach  
& terrible foul smell  
sleeping off meal.

# 30-63 / Feb. 10, 1963  
Scrap of grass from

was, I thought hopelessly dry  
but thought I'd give it a  
whirl anyway.



Brialmont <sup>anchorage</sup> Cove

64° 14' 00" S

61° 04' 05" W.

Poblette says 18 fms. Phase  
35 fms (?) Muddy sand and Rock  
bottom

Sta 40<sup>(b)</sup>-63

Re one people with  
encrusting bryozoan  
probably leftover from  
previous dredge haul  
in dredge

Rocks pebbles and sand  
all <sup>are</sup> in oraine material

with very little life yet I got  
several small worms 3 red  
amphipods, and bits of algae

Feb 11, 1963 <sup>Monday</sup> Sta 40<sup>(a)</sup>-63

Off anchorage by  
little rocky islet <sup>fish</sup> traps:  
one wholly empty other  
with few amphipods  
and algae

~~to 17 fms~~  
Bottom ~~is~~ rocky.

Sta 40<sup>(b)</sup>-63 Brialmonts  
Cove

Feb 11, 1963

Dredge haul in 35 fms

Regular concrete mix  
coarse sand (or fine gravel?)  
gravel and stones can  
of smaller stuff saved  
~~off~~ in dredge and number  
of washed rocks and rock  
fragments, about 3 amphipods  
a couple of worms



Sta. 41-63 Alcock Id  
growth picked up  
on shore by Jack Crowell;  
"lichen"? ("a")

Feb. 11, 1963.

(b) also some moss  
Berlesed first, and  
then saved; insects  
separate in alcohol.

Alcock

Id lies off Brialmont  
Cove, where ship  
anchored this day



~~Deception Id.~~  
 Deception Id.

Sta. 412-63 // Feb 13  
 63

Anchored in 55 fms.

Fish traps in 5 to 8  
 fms. ~~attached to~~ ~~trap~~  
 fish in it; 2 smaller  
 ones in trap in 5 fms

Fish		} Total 35 13 / II / 63 Whalers Bay Deception Id. Amphipod of two traps comb. there was 1/2 red amphipods in 30 fms. trap
= 1 = 11"	}	
6 = 12"		
17 = 13"		
4 = 14"		
<hr/>		
2 = 16"	}	
2 = 17"		
2 = 18"		
1 = 21"		
<hr/>		
35		

on ground old  
 Deception Id. behind <sup>whale</sup> <sub>Sucker</sub>  
 42 C. Moss by  
 Whale Factory mostly  
 Belesed, ~~it was left~~  
 uncooked

also seem to feed <sup>sand</sup> ~~at~~ rocks where <sup>snow</sup> ~~we~~ were picked.  
 Feb. 13  
 Sta 412 B - 63  
 From Bottom of rock bi  
 photo too



#43 A Coat Mac coll. Mosses

43 B  
I coll. moss  
& lichens

first sized  
stones small  
gravel  
stony spit  
shore  
east of sand  
spit of cliff

440

Rocks from  
spit forming  
Ambar

43" d" M  
of work photo

his haul  $\rightarrow$  was clear

next  
#45 was  
stiff  
fine  
grained  
grey  
med

# 43-63 with Purdy net  
Shore coll. lichens  
Mosses - seaweed  
Feb. 13-63  
Yankee Hbr  
Greenwich Id. ~~Greenwich Id.~~

# 44-63  
in 30 fms  
Feb. 13/63

Dredge haul in  
30 fms 3 p.m.  
at anchorage off  
Yankee Hbr. Clear  
haul Ascidium box  
no bottom, end  
some worm tubes  
sea-weed  
Crinoids half dozen  
one little starfish  
~~that is long not grass~~



Feb. 13 Yankee Hbr.

2nd haul only } 62° 33' 00 S } muddy  
59° 50.6 W } Bottom

30 fms.  
first at  
more or less same place as stn 44

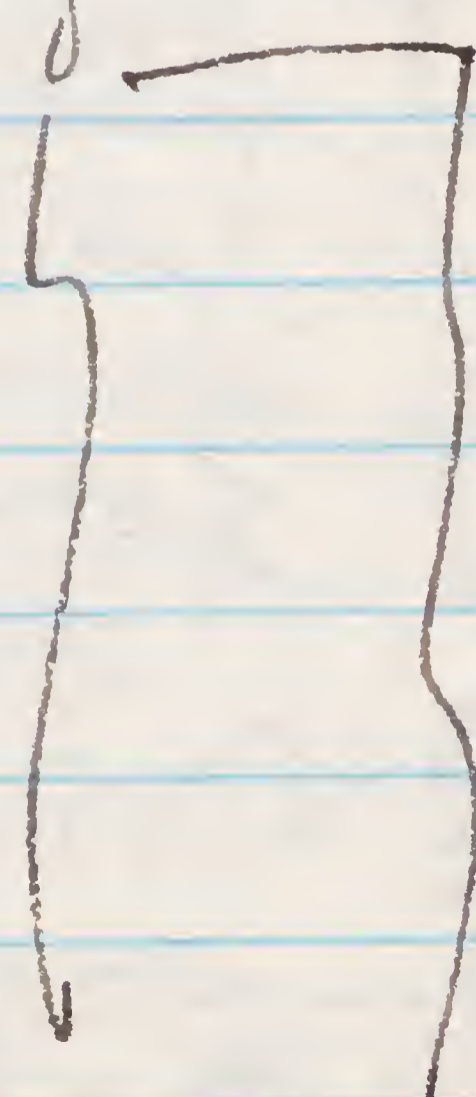
#45 = Sponges, Worms  
Algae gubers  
Ophiurans  
Bserdians

~~Hope Bay anch~~

Feb. 14 - 1963

63° 21' 07" S } Muddy  
56° 55' 05 W } sand

30 fms



#45-63<sup>30</sup> fms

at anchorage off  
Yankee Hbr.  
Greenwich Id.

Feb. 13 - 63

Soft mud 3.30 p.m.  
Drum shell

~~Feb. 14 - 1963~~

#46-63 Dredge in  
30 fms.

at anchorage off  
Argentine Base  
Hope Bay

(make 25 fms)

muddy sand  
Mollusks (clams, snail =  
Gastropod) many worm  
tubes, algae  
ophiurans



#47A - 63

Feb 15, 1963

Berlesed, already fairly dry moss and scanty; only few isolated patches on hill side. Bit of un-Berlesed moss in bottom of bay.

Feb. 15-1963

47A - 63

Hand full of very dry moss on rocky slope over which we walked to Eng. Base at Hope Bay

Feb 15 - 63

#47-63

Fish traps Hope Bay off Argentine Base - most fish in 7 & 15 traps

~~22~~ Fish this day, 7 saved = 16 1/2, 13 1/2, 12 1/2, 9 1/2, 10, 11, 11. others

2 = 13 1/2

3 = 13

1 = 12 3/4

3 = 12 1/2

4 = 12

1 = 11 3/4

1 = 10 1/2  
15

15 + 7 = 22 <sup>Fish</sup>  
mostly in 7 & 15 traps



Seymour Id. anch.

64° 15' 00 S.

56 25 00 W.

= 38 fms = ~~Rock~~ small rock fragments, gravel, sand  
sandy mud

48 B Fossil  
Rock from landing  
in valley on east  
side of Island  
(Seymour)

by Cmdr. Price here  
at Lads Crowell  
washed but with  
ground in it.

Fossils of Feb 19  
added by this.

48(A) - 63

Feb 15, 1963

Algae in beach  
drift picked up in  
considerable quantity

East side west  
crumbly rocky west side hard.

Dredge # 48 - 63 in ice

off Seymour Id  
~~38~~ fms, 38 fms

Feb. 15, 1963

some stone & seaweed  
in formalin

White duck in Palpits  
small acidians on stalks  
Barnacle, live & dead  
alcyonarian } PCs  
worms clam  
nemeritean?  
fine thread worms by the  
thousands, tiny  
ophiurans

Sandy-mud bottom  
small ~~rocks~~  
rock frags  
Gravel & Sand

Zhang's combined



Snow Hill Id and  
64° 24' 02" S } mud  
56° 56' 05" } bottom  
≡ 14-15 fms ≡

Anchored off very  
~~off~~ (drifting) very  
loose pack ice off  
east side Snow Hill  
Island 15 fms

Consistency, like  
rubber, ~~and~~ stuck together  
like "silicon" clay.

Biol. of Feb. 16/63

Nil except  
Birds are scarce  
~~Snow Hill Id~~

Feb. 17-19 63

# 49-63

Dredge 15 fms

Several worms Snow Hill Id  
~~add~~; 2 Bragg  
bivalves, 3 sea urchin  
3 Polychaete worms

(?) 2 ~~burrows~~ Cumacean  
stiff sandy mud  
with few rock frags  
Annelids 3 sp. at least  
nemertean  
a change polyh  
" " shell

Some oozy mud; much  
mixed with sand so  
stiff yet rubbery



Feb. 18, 1963

# 50-63

From anchor off  
east side near N. end  
Seymour Id. <sup>4 ft</sup> 10 fms

are little red clumps  
egg mass?

attached to some of  
sea weeds

Surplys discarded  
slender (stringy sea  
weed) filled tightly pack  
a 5 gallon oil tin.

Bits of black ~~sl~~ like  
here marked ~~sl~~ were  
abundant in mud of  
yesterday; and no doubt  
are an important contrib<sup>ution</sup>  
to organic detritus food

14 is  
much  
destr  
bering  
ship



Feb 19/63 # 51

10:45 p. m. with

Dohy put out a  
fish trap ~~on 18<sup>th</sup>~~

hauled on 19<sup>th</sup>

Port side 31 fms

29°F.

water  
8 knots wind

---

got 3 pycnogonide  
one quite large off  
outside of trap &  
few fragments of alga  
& one of yellow sponge  
from inside

---

all off Seymour

Ed



# 52 - 63

1st dredge haul

Feb. 19, 1963

12 fms  
1st haul trawls

algae, hydroid  
& one just one living  
amphipod / Pod  
hydroid are in separate  
vial

worms in second haul  
at ~~much~~ like those in  
first but also got  
live clam & one  
dead shell in  
second haul  
& starfish wormy  
valgus & 2nd  
he alcyonarian

Seymour 44

# ~~52~~ <sup>52</sup> 63

Feb. 19, 1963

Dredge '12 fms

second haul

minus vs weight

Combined with #52

So all are now

# 52-63

2 hauls ~~from~~ <sup>10 a.m.</sup>

at 4:30

combined

Second ~~haul~~ haul  
had some awfully large  
crabs lumps of sand  
in it 1/4 of one lump  
saved.



nite at odd Welch  
Feb 19, '63

Her time told me  
there were no small  
things in trap, but  
when I went back  
and looked under  
trap and over  
bait got half  
dozen also  
amphipods and  
pe of growth. In  
little can of water  
on lab table, it  
got

thrown out in  
penchant for order  
~~the~~ put in super  
ex.

# 53 - 63 <sup>see</sup> next  
page.  
Fish traps hauled  
at a.m.

Fish trap was put  
over on starboard  
side, to avoid drain  
and job of putting  
it forward around  
supports a mean  
job in wind as  
Doby and I found  
night before. Just  
short setting work  
I think lost traps  
much as ice. Can  
happen to any one  
though. This is  
one time I did not  
take personal hand  
in setting.



# ~~One lge~~ <sup>coll by</sup> pycnogonid  
53A - 63

Feb. 20, 1963

coll. by springlike  
ascidian  
Patterson, at  
beach opposite  
anchorage N. side  
of Cape Welchness

floating out surf.

another was seen  
floating near ship  
at 10 o'clock p.m.  
but escaped dit  
ner

Feb. 20. #53-63

30 } 63° 39' 00 S. mud  
0ms } 56° 16' 18 W. bottom  
anchorage off Cape or Pt.  
Welchness, Dundee Id.

# 53 - 63 <sup>Welchness</sup>  
Feb. 20, 1963 <sup>Point</sup>  
<sup>Dundee</sup>

2 Dredge hauls  
midday & mid  
afternoon, at  
anchorage N. of  
Cape Welchness  
Dundee Id 30 fms  
couple of starfish small

1 phoron  
1 thin skinned large  
holothurian. small  
signature?

several attached  
coelenterates / on much  
branched

part of worm tube  
half dozen species

1 large gastropod  
few have had small  
seaweeds but smaller

~~Mossesalgue? Berlesed~~



~~Seymour~~

Welchness Point

# 54 - 63 Feb. 20, 1963  
various bits  
of shore coll. by

Mac., Jack, Pobleke,  
Schmitt, +

# 54(a) - 63

1 mashed spn. krill  
picked up in stream

flooded by tide. Coll. by  
Feb. 20, 1963 Hansen

# 54 (b) 63

Algae from water course  
this bit was ~~on~~ on  
rocks just at edge of  
present level of water.

# 54 (c) Bits of moss  
down among scree (pebbles)  
that had to Berlese them  
with moss but got a few <sup>folly</sup>  
Lichens (54d) had nothing  
branched, with pebbles too

There was very little  
moss about very very  
little. All vegetation  
scanty

1963



Feb. 23 - 63

Sta 55 - 63  
Pebble (Dip net along shore)  
Ashore at islet

hard up against  
Alcock Id, East side  
Little I

56 <sup>63</sup> Rockpools collect  
Pools quite high  
up but must get  
spray red copepods

~~Alcock Id~~ (Alcock Id)  
Sta 56(a) is tidepool  
grand stuff includ. filamentous  
pebbles algae  
here too (b) is mosses

Chin straps  
& sheath (a) is lichens  
bills Wilson  
Cormorants Skuas Petrels

Alcock Id

1963



Sta 57-63

Feb Fish trap in 11 fms

23 1963 <sup>one fish</sup> only, preserved!  
pint of amphipods

Save; there were many  
more most of which got  
away

solid pint of amphipods  
2 species

larger red, but saved  
~~set~~ couple of of largest  
of but saved

Off: Alcock Id.



Sta 58-63

Dredge in <sup>18</sup>~~30~~ fms  
Feb ~~22~~ or 24

Mud +  
gravel  
bottom

Sardish

Bryozoan  
branching  
& lattice  
18 is ok  
depth

Hydroids  
Antipatharian.

Crinoids  
Jelly fish (disintegrated)  
cyanarian

2 tiny ophiuran

3+ sp. worms.

Brailmont Cove  
at Anchorage  
off Alcock Id.

1941



Sta. 59-63  
Spring Point <sup>on</sup> Brail-  
Feb. 24, 1963 <sup>mont</sup>  
Sta 59-63 <sup>Cove</sup>

Bet. ~~1/2~~ 5 and 9 a.m.  
(+ various rocks)

Grass with seed

also Grass <sup>without</sup> dump <sup>seed</sup>

Berlesed <sup>Grass got</sup>  
# 59(a)-63 <sup>thrown out</sup>  
<sup>by mistake</sup>

# 59(b) Algae picked  
up on shore

# 59(c)-63 Moss Berlesed  
Feb 24, 1963

# 59(d) Rocks (stones)  
picked up on shore  
where we landed



ashore in Bell  
Jan 11 to 1 p.m. (2 hrs)  
got ~~fishes~~ moss  
& rocks

---

South Shetlands  
Swingstone Id.

---

Found a few  
finger shells literally  
thousands on beach

---

~~60 (f) rocks  
(some) from~~

# 60 (f) rocks  
some from shore

---

A red leave he  
was on boulder beach

---

SDN 60-63

False Bay, Livingstone  
Id. Feb. 25 / 1963<sup>2</sup>  
from large rocks in  
stream valley

# 60 (a) very wet moss  
in covering what <sup>is</sup> was  
virtually a puddle  
in ~~the~~ pocket on side  
of large rock on valley  
floor near ocean (low tide)

---

60 (b) grass dump

---

60 (c) old moss

---

60 d lichen scraped  
off rocks

---

(60 <sup>e</sup>(e)) seaweed  
scraped from  
rock at high tide, near

---



False Bay 62-43 S  
60-22 W mud from

Can of worm tubes  
dried

What are hair  
strands

Pygospio  
with propolis  
in stalked ascidians  
or is it coelenterate

1 amphipod

2 isopods

1 Pygospio

1 Brill

1 Calappa worm  
tube standing on  
rock removed & put  
with Brill & 2 isopods

Sta. 61 - 63 Dredge

Feb. 25/63  
False Bay, Livingston  
Id. S. Shetlands

17 fms mud, muddy -  
course sand

rocks and gravel

Tube building worms  
no end; mud with  
patches of stiff gray.

lar sand made plates  
or sheets hard to  
lift in dredge bucket

Some clay tubes saved  
stalked ascidians  
and coelenterates

no end of "strands"  
as though from rope  
clam; hydroids algae

1 spec. of Brill  
amphipod, globular  
ascidians, 2; the brittle  
some



Feb. 26 Shore party  
at False Bay  
at False Bay  
this a.m. at 7:30 got  
back and our jeep  
to ship. The weather had  
turned in a.m. & I got  
through by 8:15 to get  
for traps. I wonder if  
there is not behind  
this party in here at  
this early Bay in fact  
which was not on  
my mind —

False Bay to East Lichens  
but no penguins

Beaches on west have raised  
terraces <sup>beaches he said</sup> & pool. 25 chin

straps no nesting evidence  
good lichens F.W. Ponds

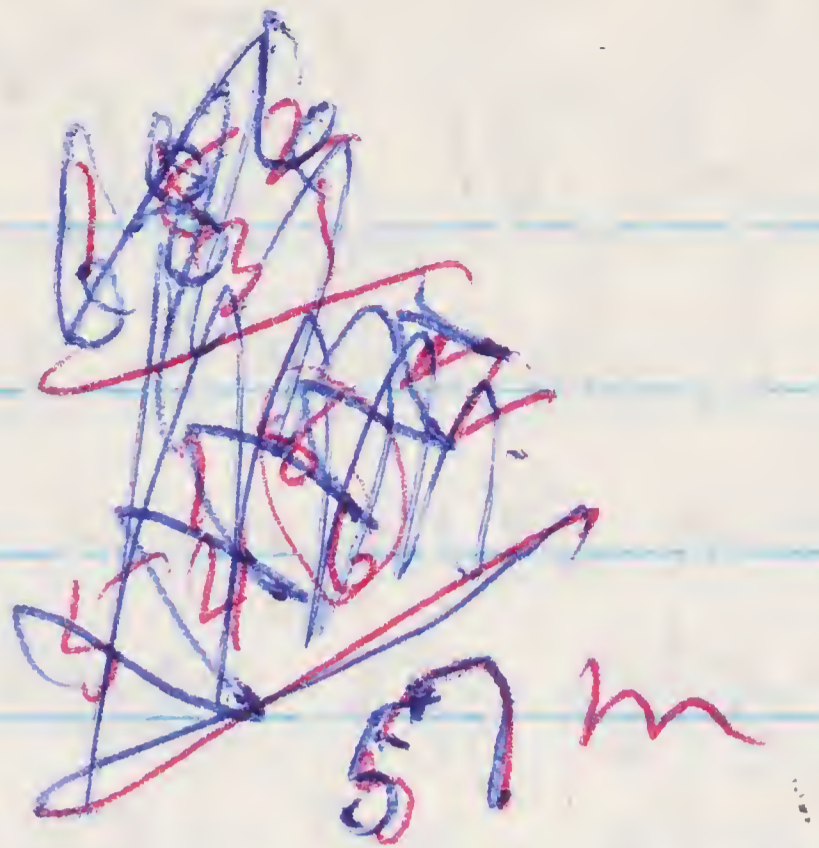
Next point bet False Bay  
and Bay Penguin colony  
about 400 feet & 500 ft  
Chin straps.

Feb. 25, ashore in Bell  
from 11 to 1, at False Bay  
got mosses  
& lichens & some seaweed  
(some scraped off rocks  
kelp 4 feet above low  
tide at least, & short  
leaves green on rock about  
Got lichens & ferns some  
so many rounded ones on  
beach are they not  
result of tremendous or  
at least excessive wave  
action as compared with  
other places? // Entertained  
Chileans from

Station aboard to write  
for movies

Seals by N. entrance  
to South Bay — Seals  
here in F.W. pools!! notes  
given me by Commander  
Lewis.





$$\frac{3 \frac{1}{2}}{186} = 57 \text{ meters}$$

on my slide of  
one of these (SD?)  
have written  
Polydinidae

south shepherds

#62 - 63 Dred

Feb. 26, 1963

Discovery Bay

Anchorage (31 fms)

Greenwich Id  
Dredge haul.

Snail shells (doz.)

Hydroids

Bryozoa

Worms + tubes 3-4 species

Ascidians Siphonolid

Brachiopod

Algae

long streamer ascidian  
with roots on  
this time



#63-63

Fish traps

Feb. 26, 1963

Piscadero Bay

Sea weed

star fish

1 crushed small red  
urchin

only a couple (2-3) amphipods recovered

2 fish are different  
one from other  
both saved

1 ophiuran

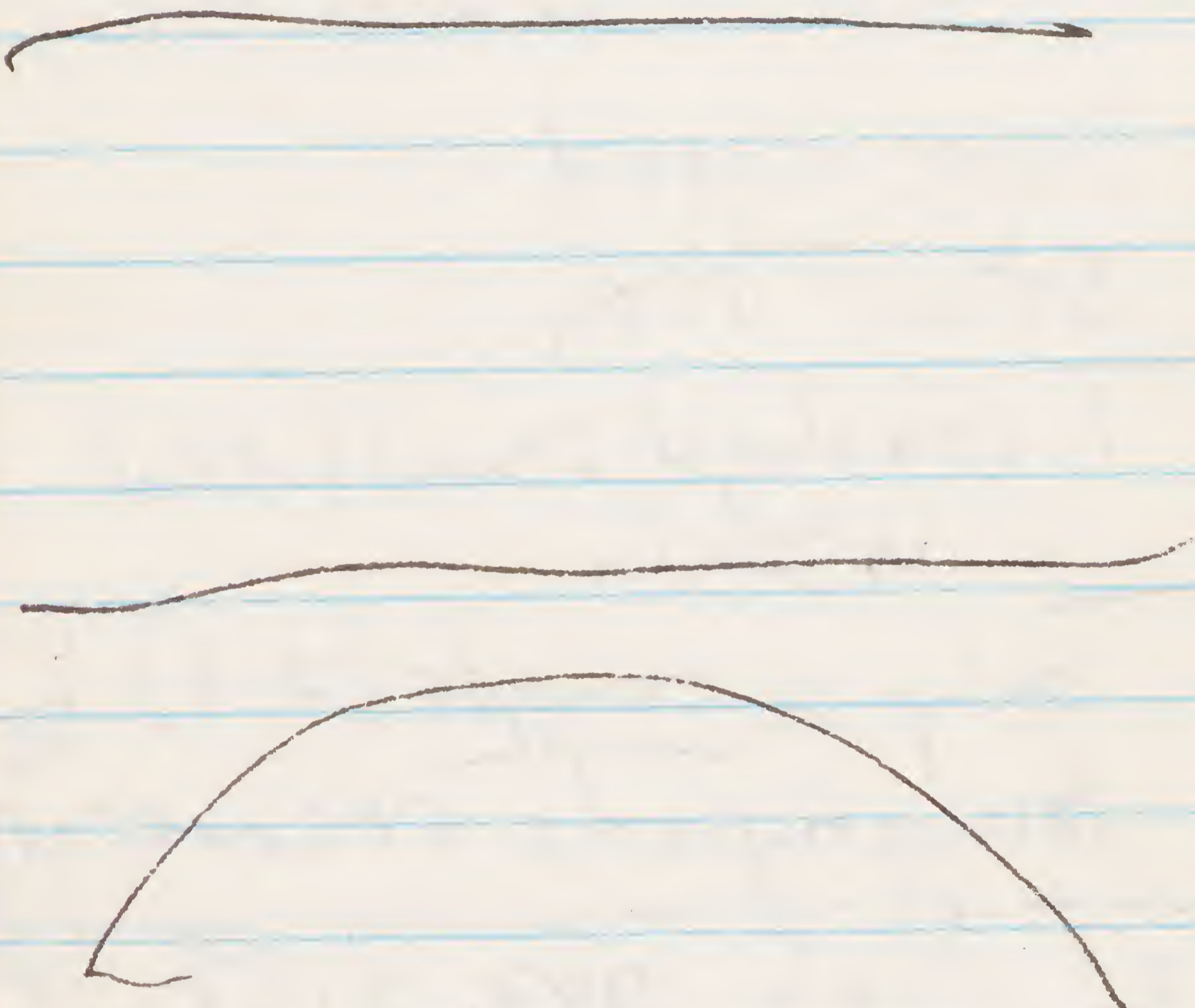
Lost an orange fish  
8 inches long, not  
recovered from trap.

Schmidt



10 Giant Petrel  
Cove near Ardley  
Id.

(one was  
adult)



#64 A-63

Feb. 28, 1963

Mosses and Lichen

coll. by Peblete

Ardley Id. ~~Mosses~~  
Berlesed

#64-63

Feb. 28, 1963

Dredge Haul

262 47 fms - (500 feet  
tidewright)

off Ardley Point

Anchorage

Forest of worms  
perhaps 8-10 kinds  
Ascidians about same  
number

3-4 sp. shells

Hydroids

1 isopod

no amphipods found  
Sponges 3 species

2 sp. starfish

2 of ophiurans

Ans 1963  
The Bosh 1963  
Suid. 1963  
anchorage?



# 65-63  
March 1, 1963

Shore coll. Base  
"A" Port Lockroy

Ayala coll.  
large + small amphipods

# 65(A) ~ 63

Few lichens on  
knocked off pieces of  
rocks.



Penguins scattered  
 + 1 me side  
 Gendos on opposite  
 sides  
 Shag colony  
 3-4 Blackbacks

Probably much  
 same depth as  
 62/63 therefore  
 noted as 57 +  
 meter

2  
 3  
 6  
 = 62. meter / 6  
 204 feet

26  
 126 feet meter  
 (38)

# 66-63 (62 meter)  
~~57 meters~~  
 Dredge in 0ms  
 Arch. Port Lockroy  
 Mar 1, 1963.

Worm tubes  
 some tiny shells  
 Ascidians several  
 sorts

Polyps  
 64-49-45 S.  
 63-30-05 W.



64° 45' 0" S

64° 39' W

21 fms. still found  
some sand

182

21

---

182

364

---

3822 meters

67-63

Dredge in Arthur  
Harbor in 21 fms.

Mar. 1, 1963

2 soft worms, just  
wouldn't tear apart after  
all night on dredge screen  
3 large ascidians, one in  
form (orange); one paper  
shelled, one short warty  
one, and several soft  
globular ones.

Again a host of worm  
tubes (some loose, some  
relaxed). Mollusks 4 spp.



68 - 63

Boat dredge in  
Bonaparte Inlet.  
in 500 fms

March 1, 1963.

4:30 p.m.

Mollusks

Worm tubes Fine brown  
muddy bottom a little  
sand

~~#68~~ #69 - 63

March 1, 1963

Grass clump with  
seed half way set but  
and frozen lake behind.  
Grass clumps closer to and about  
but more luxuriant + greener but  
no seed.



One was alive and  
swimming about in  
hand hold of hatch  
cover

off Ardley Id  
#72 fish 5 of  
measured 6 saved

13 1/2, 13 1/4, 12 3/4, 12 1/4

5-6 12, and 10 1/2  
starfish and amphipods

surf 8 mins  
False Bay

Feb. 25, 1963

120-63

#70-63

krill picked up on  
fore deck, thrown  
aboard by spray  
at night running

Drum, Arth. Hbr. to Paradise  
Nite of Feb. 28/63 Hbr.

#71-63

March 2, 1963  
White "worm" holohurta?  
Drum anchor = 47 fms  
Paradise Hbr

off Ardley Id  
#72-63

Mar 3, 1963  
Fish trap. 8 ± fms  
round trap trap  
Siltmel.

16th Hbr. ~~16th Hbr.~~  
#72



#1-18-63  
 #18-63  
 Feb. 23, 1963  
 10 mins from previous  
 10:35 surf from Alcedo  
 from Alcedo  
 at anchorage  
 T-19-63  
 10 mins 3:30 p.m.  
 Surf down off  
 Ash Point  
 Feb. 26, 1963  
 Discovery Bay  
 #20 was labaled  
 after D.19 was out

~~#73 fish trap  
 over ship's side  
 5ms line at  
 46 fms depth  
 at anchorage~~

#72 off Ardley  
 Island, in front  
 of Redugio.  
 would think reef would  
 bring about good collectin  
 either or both sides but  
 Commodore thinks no!



(16)

T 15-63

Feb. 14-63

off anchorage

Bope Bay

Salps were seen

in long chains

in the ball in the

T 17-63 # 17-63

Feb. 20, 1963

From anchorage

Prime 10 miles

off the Johns and

at 2 p.m. North of

Weldchiness Dunes

T 14 3 0 Dms

# 173-63

Mar. 4, 1963

Shore

Pockets

of

(a) Mosses

(b) Grass + moss

(c) Lichens

(d) Rubus

(e) ~~Flies in~~   
 was temporarily

all but do together }   
 Berlesed eggs



T 14-63

Downed haul 10 min

5 ft below surf

10:22 to 10:32 am  
Port Foster (Mullers Bay)

Reception Id.  
off Eng. Base

Feb. 12, 1963

Feb. 13/63

or just

Downed haul from  
Mullers Bay anch.

downward and beyond  
left hand of Bay (entire  
Tearing it out)

through a block of Cape  
Pigeons which seemed  
dead (pecking) at some

Dredge # 74-63

Mar. 4, 1963

19 fms Peters Cove

62° 13' 09 S

58° 39' 02 W

Fine lot of large  
tube worms, one  
smaller in coiled  
tube. ~~Fragment~~  
larger tube worm  
= also many  
sea pens, lampi-  
pod; large clams  
some smaller ones



# T 11 - 63 surf  
3 ft water

Feb. 5 1963  
Danco Id  
Church Point

# T 12 - 63

~~Nedair~~  
Molchior  
Duncan  
3 feet under  
surfs

# T 13 - 63

Svend Fyn Hr.  
about ship 5 mins  
surf below surf 3 ft  
2 Krill  
M Wilhemina Bay 2905 pm

# 75 - 63

March 4 1963

Admiralty Bay King  
22 Dms Geo  
62° 04' - 06 S Id  
58° 20' 00 W.

Large tube buildy  
worms, several  
A sponge  
dam



Δ 10 - 63

Feb 4, 1963

in center of  
Pancake Bay  
1/2 way to  
Angeline's Bars

and anchorage  
Open channel  
4-5 fathoms

surface  
10 min in

water 15 min  
back to north

because of ice

# 76 - 63

Fish traps

6 1/2 and 10 fms

worms (Nemerte)

and polychaete  
Siphon



Daw  
#18-63 her.

off. Chilean Base

Paradise Bay

Feb. 1 - 1963

Surf 10 mins.

Rich in plants

material 4 pm

T9-63  
her

~~between 600 N~~

sample ed

laminar structure

thin laminae

surface

Box 2, 1 pm  
230



# 6-63 Tom.

Jan. 29, 1936

10 mins 8:45 to

8:55 a.m. surface

~~off end of runway~~

I.D. Charco

landings place of

~~at wintering 1909~~

~~sample not much lost~~

~~to be used for (see hand)~~

# 7-63 off

Galindez Id.

Argentine Ids.

Surf 10 mins

Bar. Base + ship.

Jan 31, 1963

10:am.

From off Bar Argentine Id Base toward ship

# 7 d. Ids.

but Jan 31

10 a.m.



~~Redesignated & changed~~  
~~plans~~  
surf 11:30 a.m.  
rugged by ice  
T #5 3 min. down labor

T #4 10 min. down labor  
Wichahel. Surf  
T #4 10 min. down labor

T #3 3 min. down labor  
from ship demand  
Bmaparte part  
mid surf. Jan 25/63

T #2 3:30 pm Jan 24/63  
toward ship off anchor  
T #2 surf Bmagart inlet

Jan. 18, 1963  
surf 5 mins.  
~~surf 5 mins.~~  
8 p.m.

T #1 - 63 Bet Base and Bay  
~~off station~~

#5 3 min down  
off the main D  
11:30 a.m. chart  
of part chart  
(N.G.)

Hovgaard I no key  
Sando Penguins



Down Net Results

- #1
- #2 Jan. 24, 1963
- #3 " 25, 1963
- #4 " 26, 1963
- #5 " 28, 1963

net  
when  
1963

1  
1963

1963

1963

1963



Areas ~~XII~~ ~~to~~ XIV  
Weddell Sea  
Stations + Dates

Hope Bay Feb 14/63

Sta. 46; 30 fms

47; 7-15 fms

staked  
ascidium 48; 38 fms } thousands  
of fine  
thread  
worms

---

Feb. 17/63

Sta. 49; 15 fms

Feb. 19/63

Sta. 50; 10-14 fms

51; 31 fms

52; 12 fms

---

Feb. 20/63

Sta. 53; 30 fms

Feb. 20/63

Sta. 54 (shore collect)



**7530-222-0078**  
**FEDERAL SUPPLY SERVICE**

GPO 16-73124-1



List of Stations and Specimens collected by Dr. W. L. Schmitt  
Staten Island Expedition, 1962-63

(The following list does not include members of the Order:  
Spinulosida where identifications have still to be verified.  
This is not the final station list, but a preliminary only).

Sta. 8-63, 64°46'S., 64°04'W. Coll.: W. L. Schmitt

<u>Odontaster validus</u> Koehler	1 specimen
<u>Lysasterias ?belgicae</u> (Ludwig)	1 specimen

Sta. 11-63, 64°48'S., 63°30'W. Coll.: W. L. Schmitt

<u>Odontaster validus</u> Koehler	1 specimen
<u>Diplasterias brucei</u> (Koehler)	1 specimen
<u>Lysasterias ?belgicae</u> (Ludwig)	1 specimen

Sta. 14-63, 65°12'S., 64°13'08"W. Coll.: W. L. Schmitt

<u>Bathybiaster loripes obesus</u> Sladen	1 specimen
---	------------

Sta. 18-63, 65°12'S., 64°13'W. Coll.: W. L. Schmitt

<u>Diplasterias brucei</u> (Koehler)	1 specimen
--------------------------------------	------------



Sta. 24-63, 64°49.3'S., 62°51'W. Coll.: W. L. Schmitt

Diplasterias brucei (Koehler) 1 specimen

Sta. 26-63, 64°43'30"S., 63°36'W. Coll.: W. L. Schmitt

Diplasterias brucei (Koehler) 2 specimens

Sta. 27-63, 64°43'30"S., 63°36'W. Coll.: W. L. Schmitt

Lysasterias ?hemiora Fisher 1 specimen

Diplasterias brucei (Koehler) 2 specimens

Sta. 32-63, 64°19.24'S., 62°59.18'W. Coll.: W. L. Schmitt

Psilaster charcoti (Koehler) 1 specimen

Bathybiaster loripes obesus Sladen 2 specimens

Sta. 34-63, 64°19'24"S., 62°59'18"W., Coll.: W. L. Schmitt

Odontaster validus Koehler 2 specimens

Sta. 36-63, 67°40'30"S., 68°05'15"W. Coll.: W. L. Schmitt

Odontaster validus Koehler 6 specimens

Sta. 37-63, 64°34'S., 62°00'W. Coll.: W. L. Schmitt

Bathybiaster loripes obesus Sladen 1 specimen



10



Sta. 52-63, 64°17'24"S., 56°54'W. Coll.: W. L. Schmitt

Bathybiaster loripes obesus Sladen 1 specimen

Sta. 53-63, 63°39'S., 56°16'18"W. Coll.: W. L. Schmitt

Psilaster charcoti (Koehler) 1 specimen

Bathybiaster loripes obesus Sladen 1 specimen

Sta. 63-63, 62°28'S., 59°37'W. Coll.: W. L. Schmitt

Lysasterias perrieri (Studer) 1 specimen

Sta. 64-63, 62°12'S., 58°56'W. Coll.: W. L. Schmitt

Diplasterias brucei (Koehler) 1 specimen

Sta. 72-63, 62°12'S., 58°56'W. Coll.: W. L. Schmitt

Odontaster validus Koehler 4 specimens

No Station Number: Palmer Peninsula to South Shetland Islands.

Coll.: W. L. Schmitt

Lysasterias perrieri (Studer) 1 specimen



Rev. 11-12-63

OCEANOGRAPHIC SORTING CENTER

Summary Report

STATION WORK SHEET - GENERAL ANALYSIS

ACCESSION NUMBER USNM 24726

ORGANIZATION U.S. National Museum

STATION NO.

DATE 1962-63

COLLECTOR W. S. Schmitt

LAT.

LONG.

DEPTH

TOW

DREDGE

MARSDEN SQUARE

SORTING COMPLETED Sept. 23, 1963

PARTIAL

TRAWL

SORTER

VOLUME

ALIQUOT

DATE

	Lots	Spec.		Lots	Spec.		Lots	Spec.
Protozoa	24	1700+	Brachiopoda	3	28	Galatheidea		
Porifera	26		Sipunculida	14	30	Porcellanidae		
Hydrozoa			Echiurida			Paguridae		
Hydroida	8		Enteropneusta			Lithodidae		
Medusae	3	3	Pterobranchia			Cenobitidae		
Alcyonacea			Crinoidea	5	10+	Hippidae		
Gorgonacea	6	27+	Asteroidea	22	51+	Albuneidae		
Pennatulacea	4	29	Ophiuroidea	25	153+	Homolodromidae		
Actiniaria	7	41	Echinoidea	25	127	Homolidae		
Madreporaria			Holothuroidea	17	37	Dromiidae		
Zoanthidea			Ascidacea X	25	448+	Dynomenidae		
Antipatharia			Thaliacea			Dorippidae		
Ceriantharia			Larvacea			Calappidae		
Ctenophora			Cladocera	1	734	Leucosiidae		
Turbellaria	8	291+	Ostracoda	21	1336+	Corystidae		
Trematoda			Copepoda	30	4214	Atelecyllidae		
Nemertini	34	220+	Branchiura	4	130	Cancriidae		
Priapulida			Cirripedia	1	3	Goneplacidae		
Nematoda	21	1551+	Nebaliacea			Geryonidae		
Entoprocta			Stomatopoda			Cymopolidae		
Amphineura			Mysidacea			Retroplumidae		
Pelecypoda X	38	1071+	Cumacea	6	16	Portunidae		
Scaphopoda			Tanaida	15	291	Potamonidae		
Gastropoda	64	932+	Isopoda	30	292	Xanthidae		
Heteropoda			Amphipoda	58	11518	Pinnotheridae		
Pteropoda			Euphausiacea	3	78	Ocypodidae		
Cephalopoda			Natantia	1	1	Grapsidae		
Polychaeta X	55	3102+	Eryonidea			Gecarcinidae		
Pycnogonida	8	19	Scyllaridea			Eaplocarcinidae		
Chaetognatha			Nephropsidea			Majidae		
Pogonophora			Callianassidae			Parthenopidae		
Phoronida			Axiidae			Hymenosomidae		
Ectoprocta	39		Oligochaeta	2	37+	Washings		
Invertebrate			Tardigrades	2	433+	Stomach contents	5	
Total	(682)	29061+	Marine mites	12	304+	Plankton	22	
Non Inverte-			Bottom samples	23		Algae	70	
brate Group	275	668+	Rocks	37		Other plants (grass)	7	
			Insects	52	9,355	Lichens	34	
Grand			Bird	1		Mosses	39	140+
Total	957	29,729						

Comments: Palmer Peninsula, Antarctica. U.S.S. Staten Island Exped. 1962-63 except for one station made in the Ross Sea in 1962. Specimens actually counted--marine inverts, 28,961; for other divisions (i.e. including mites, insects, algae, etc.), 444.

29,729  
 plus 9,355 ← insects  
 39,084

see acc. letter re insects Div 3.



SI-USNM-257  
T-10-63

SMITHSONIAN OCEANOGRAPHIC SORTING CENTER

*dup sheet*

STATION WORK SHEET - - GENERAL ANALYSIS

ACCESSION NUMBER 217268

ORGANIZATION Antarctic NSF

COLLECTOR W.L. SCHMITT

STATION NO. 10-63

DATE Jan. 26, 1963

DEPTH

LAT. 64° 48'S

LONG. 63° 30'W

MARSDEN SQUARE

TOW

DREDGE

TRAWL

SORTING COMPLETED 8-9-63

PARTIAL

ALIQOT

SORTER A.M. DRIVER

VOLUME

DATE Received April 5, 1963

	Lots	Spec.		Lots	Spec.		Lots	Spec.
Protozoa	1	4	Brachiopoda			Galatheidea		
Porifera	1	1	Sipunculida	/	/	Porcellanidae		
Hydrozoa			Echiurida			Paguridae		
Hydroidea			Enteropneusta			Lithodidae		
Medusae			Pterobranchia			Cenobitidae		
Alcyonacea			Crinoidea			Hippidae		
Coryonacea			Asteroidea			Albuneidae		
Pennatulacea			Ophiuroidea			Homolodromidae		
Actinaria	1	3	Echinoidea			Homolidae		
Nudiporaria			Holothuroidea			Dromiidae		
Zoanthidea			Ascidiacea			Dynomonidae		
Antipatharia			Thaliacea			Doriopidae		
Seriantharia			Larvacea			Calappidae		
Ctenophora			Cladocera			Leucosiidae		
Turbellaria			Ostracoda			Corystidae		
Trematoda			Copepoda	2	1731	Atelecyllidae		
Nemertini	2	26	Branchiura			Canceridae		
Priapulida			Cirripedia			Goneplacidae		
Nematoda	1	4	Nebaliacea			Geryonidae		
Entoprocta			Stomatopoda	1	1	Cymopolidae		
Aphrodiscus			Mysidacea			Retroplumidae		
Pelecypoda	2	70	Cumacea			Portunidae		
Scaphopoda			Tanaida	1	1	Potamonidae		
Gastropoda	3	249	Isopoda	4	68	Xanthidae		
Heteropoda			Amphipoda	2	1499	Pinnotheridae		
Pteropoda			Euphausiacea			Ocypodidae		
Cephalopoda			Natantia			Grapsidae		
Polychaeta	2	45	Eryonidea			Gecarcinidae		
Pyrosomida			Scyllaridea			Haplocarcinidae		
Chaetognaths			Nephropsidea			Majidae		
Pteronophora			Callinassidae			Parthenopidae		
Zoarconida			Axiidae			Hymenosomidae		
Metacoelata	2					Washings		
Invertebrate	24	3630						
Total	25	3701						
Non-invertebrate Group			Fish	1	1	Algae (MACRO)	1	
			Rocks	/	/	Other plants		
			Insects					
Grand Total	27	3701						
	28	3701						

Comments: Invers Island, Port Lockroy, off Wiencke Island. Shore collecting about landing and pier dip net. Algae extremely oily. Copepoda found in this Algae were in pairs; male and female.



Nov. 11-17-63

STATION WORK SHEET - GENERAL ANALYSIS

*W*

ACCESSION NUMBER UICM 24726  
ORGANIZATION U.S. National Museum  
STATION NO.

DATE 1962-63

COLLECTOR W. H. Schmidt  
DEPTH

LAT. LONG.  
TOW DREDGE  
SORTING COMPLETED Sept. 23, 1963 PARTIAL  
SORTER VOLUME

MARSDEN SQUARE  
TRAWL  
ALIQUOT #  
DATE

Museum accession # 247268

	Lots	Spec.		Lots	Spec.		Lots	Spec.
Protozoa	24	1700+	Brachyopoda	3	28	Galatheidea		
Porifera	20		Sipunculida	14	30	Porcellanidae		
Hydrozoa			Echiurida			Paguridae		
Hydroida	8		Enteropneusta			Lithodidae		
Medusae	3	3	Pterobranchia			Cenobitidae		
Aleyonacea			Crinoidea	5	10+	Hippidae		
Gorgonacea	6	27+	Asteroidea	22	51+	Albuneidae		
Pennatulacea	4	29	Ophiuroidea	25	153+	Homolodromidae		
Actinaria	7	41	Echinoidea	25	127	Homolidae		
Madreporaria			Holothuroidea	17	37	Dromiidae		
Zoanthidea			Ascidacea	25	448+	Dynomeneidae		
Antipatharia			Thaliacea			Dorippidae		
Ceriantharia			Larvacea			Calappidae		
Ctenophora			Cladocera	1	734	Leucosiidae		
Turbellaria	8	291+	Ostracoda	21	1336+	Corystidae		
Trematoda			Copepoda	30	4214	Atelecyliidae		
Nemertini	34	220+	Branchiura	4	130	Cancridae		
Priapulida			Cirripedia	1	3	Goneplacidae		
Nematoda	21	1551+	Nebaliacea			Geryonidae		
Entoprocta			Stomatopoda			Cymopolidae		
Amphineura			Mysidacea			Retroplumidae		
Pelecypoda	38	1071+	Cumacea	6	16	Portunidae		
Gastropoda	64	932+	Tanaida	15	291	Potamonidae		
Heteropoda			Isopoda	30	292	Xanthidae		
Pteropoda			Amphipoda	58	11518	Pinnotheridae		
Cephalopoda			Euphausiacea	3	78	Ocypodidae		
Polychaeta	55	3102+	Natantia	1	1	Grapsidae		
Pyrosomida	8	19	Eryonidea			Gecarcinidae		
Chaetognatha			Scyllaridea			Eaplocarcinidae		
Pogonophora			Nephropsidea			Majidae		
Phoronida			Callianassidae			Parthenopidae		
Ectoprocta	30		Axiidae			Hymenosomidae		
Invertebrate			Oligochaeta	2	37+	Washings		
Total	182	20061+	Tardigrades	2	433+	Stomach contents	5	
Non Invertebrate Group	275	6634	Marine mites	12	304+	Plankton	22	
			Bottom samples	23		Algae	70	
			Rocks	37		Other plants (grass)	7	
			Insects	52	9,355	Lichens	34	
Grand Total	957	29,729	Bird	1		Mosses	39	140+

Comments: Palmer Peninsula, Antarctica. U.S.S. Staten Island Exped. 1962-63 except for one station made in the Ross Sea in 1962. Specimens actually counted--marine inverts, 20,061; for other divisions (i.e. including mites, insects, algae, etc.), 444.

24,729  
plus 9,355 ← Insects  
34,084



ANTARCTIC EXPEDITION -- 1962-63  
 Dr. W. L. Schmitt, Collector aboard  
 USS "STATEN ISLAND" AND OTHER

U.S.N.M.  
 Acc. No. 247268

GENERAL BIOLOGICAL COLLECTIONS

Page 11 of 12

Station No.	Date	Location	Lat.	Long.	Gear	Remarks
SOUTH SHETLAND ISLANDS, cont'd.						
60f - 63	2-25-63	False Bay, Livingston Island	62° 42' S	60° 22' W		Rocks and stones from shore
61 - 63	"	Anchorage off False Bay, Livingston Island	"	"	Dredge	Bottom of mud, coarse muddy sand, rocks and gravel with patches of stiff granular sand. 17 fms.
	"	False Bay, Livingston Island	"	"		Subfossil (?) gastropods
62 - 63.	2-26-63	At anchorage off Greenwich Island Discovery Bay	62° 28' S	59° 37' W	Dredge	31 fms.
63 - 63.	"	Discovery Bay? Discovery Island, Greenwich Island	"	"	Fish traps	
64 - 63.	2-28-63	Collins Harbor, Ardley Peninsula anchorage, King George Island	62° 12' S	58° 56' W	Dredge	47 fms.
64a - 63	"	Collins Harbor, Ardley Island, King George Island	"	"		Mosses and lichens berlesed. Collector - Poblette
64b - 63	"	"	"	"		Moss, berlesed. Collector - Lewis
PALMER PENINSULA, cont'd.						
65 - 63.	3-1-63	Wiencke Island, Port Lockroy, Anvers Island	64° 48' S	63° 30' W		Shore collecting near Base "A". Collector - Ayala
65a - 63	"	"	"	"		Lichens on piece of rock. Collector - Ayala
66 - 63	"	Port Lockroy, Wiencke Island, Graham Coast	64° 49' 05" S	63° 30' 05" W	Dredge	34 fms. = 62 meters
67 - 63	"	Bonaparte Inlet, Arthur Harbor, Anvers Island	64° 45' 01" S	64° 39' 00" W	Dredge	Some sand; 21 fms. 38 meter



# MEMO ROUTING SLIP

TO THE FOLLOWING IN ORDER INDICATED

NAME OR TITLE	INITIALS—DATE
1. Dr. Schmitt, Marine Invertebrates	
2.	
3.	
4.	

Your information	<input type="checkbox"/>	Note and return	<input type="checkbox"/>
Your comments	<input type="checkbox"/>	Proper signature	<input type="checkbox"/>
Necessary action	<input type="checkbox"/>	Note and file	<input type="checkbox"/>
Prepare reply	<input type="checkbox"/>	See me	<input type="checkbox"/>
Your recommendation	<input type="checkbox"/>	Your initials	<input type="checkbox"/>

REMARKS     The attached geological station list is a revision of the one previously distributed. It contains some modest corrections and additions, principally from the biological station list. The title has also been corrected to, I believe, a more appropriate official designation.

*Apr 7/64*

FROM	DATE
Phil Miles	4/7/64
	PHONE



Palmer Peninsula-South Shetlands Survey, 1963  
 USARP Expedition Aboard USS Staten Island  
 Collector: Dr. W. L. Schmitt  
 U.S. National Museum

U.S.N.M.  
 Acc. No. 247260

GEOLOGICAL COLLECTIONS

Station No.	Date	Location	Lat.	Long.	Gear	Remarks
		PALMER PENINSULA				
	1-25/26-63	Arthur Harbor-Port Lockroy areas Anvers and Wiencke Islands	64° 46' S 64° 42' S	to 63° 30' W		Rock specimens
	1-31-63	Cape Tuxen, Graham Coast	65° 14' 45" S	64° 16' 00" W		Rock specimens
	2-2-63	Paradise Harbor, Danco Coast	64° 52' S	62° 54' W		Rock specimens
	2-5-63	Melchoir Island Anchorage, off Gamma Island, Dallman Bay	64° 19' 24" S	62° 59' 18" W		Rock specimens
	"	Cuerville Island, off Danco Coast	64° 40' 50" S	62° 37' 15" W		Rock specimens
	"	Danco Island, off Danco Coast	64° 43' 30" S	63° 36' 00" W		Rock specimens
	2-12-63	Deception Island	62° 58' S	60° 34' W		Rock specimens
48b	2-15-63	Seymour Island, Ross Island Group	64° 17' 24" S	56° 54' W		Fossiliferous rocks from eastern valley
	2-17-63	Seymour Island, Ross Island Group	64° 17' 24" S	56° 54' W		Pelecypod shell from stratum well up on shore on north-east side of island. Collector - Jack Crowell
	2-18-63	Seymour Island, Ross Island Group	64° 17' 24" S	56° 54' W		Fossil invertebrate from near anchorage at northeast end of the island.
	2-19-63	Seymour Island, Ross Island Group	64° 17' 24" S	56° 54' W		Rock specimen and a fossil inverte- brate.
60f	2-25-63	False Bay, Livingston Island	62° 42' S	60° 22' W		Rock specimens with subfossil (?) Gastropods
73d	3-4-63	Potters Cove	62° 13.9' S	58° 40' W		Rock specimens; with subfossil (?) gastropods (?)