

Bartlett 1942

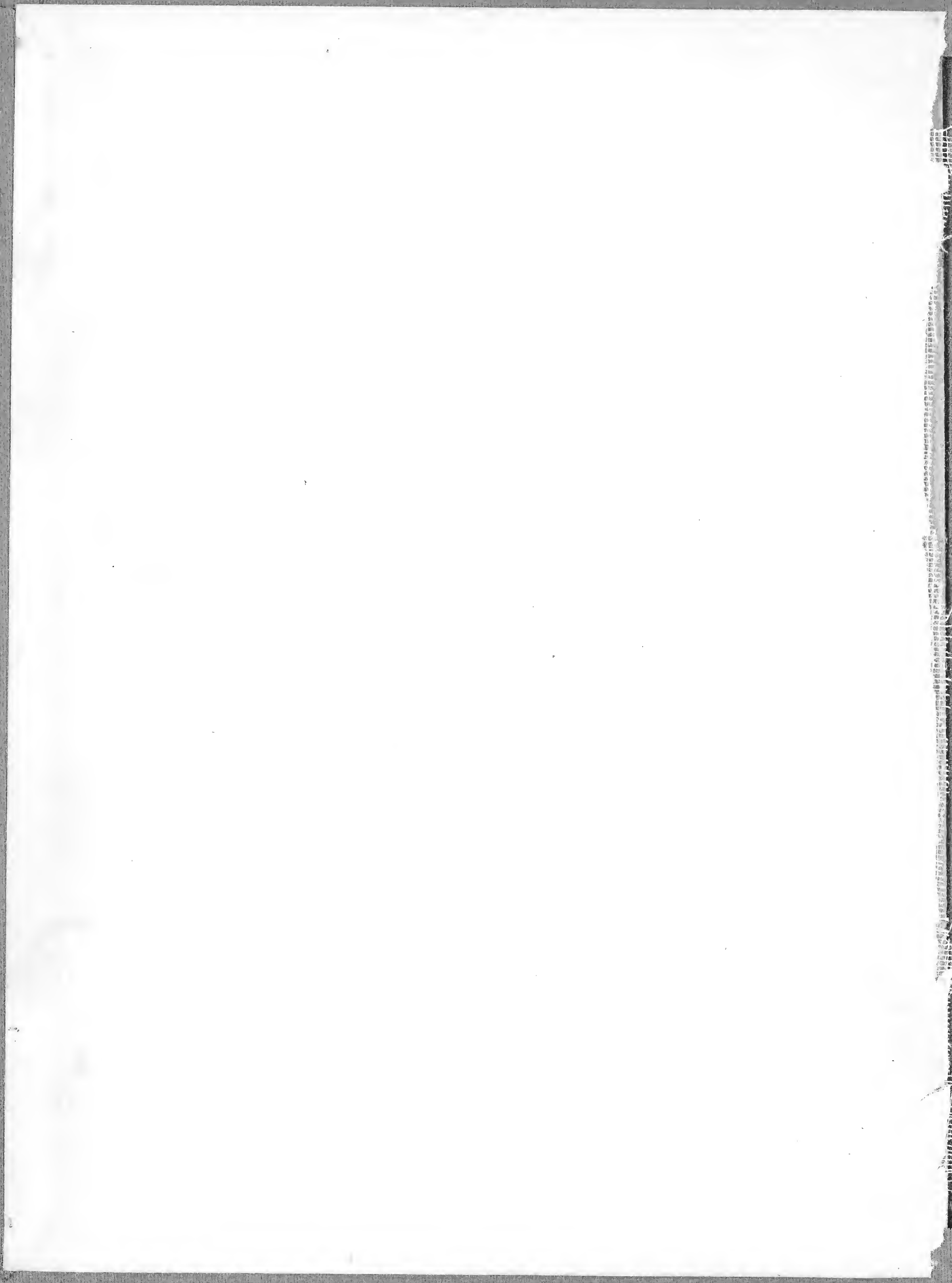
162959

RECORD

Contents Scanned
March - April 2012
Matt Nguyen

Bartlett

1942



Expedition to Frobisher Bay, Baffin Land
Capt. R. A. Bartlett

1942

acc. 162959

50177

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A
B
C

Specimens of the Smithsonian Institute
collected aboard the *Morrissey* in
1942 by Dr. E. C. Rigby, Harvard Club,
Boston.

July 27, 1942

1. Speciman came up on anchor
from 7 fathoms, at low tide. Water
temp. $31.5^{\circ} F$; weather - clear, north
wind. Drift ice in the water all
around. Lat. $63^{\circ} 18' 00''$ North approx.
Long. $68^{\circ} 05' 00''$ West

Frobisher Bay, around Fletcher Island.
Rocky coast - from S.E. shore.

2. July 28, 1942

Speciman obtained from
anchor off NW shore of an island
located in the harbor of Crystal Bay,
an Army Base in Frobisher Bay
about 2 mi. NNW of above position.
Temp. of water was $31.5^{\circ} F$. - Depth
ranged from 10 - 15 fathoms. Tide
was low. Ice has been breaking
ice up, at the head end of the
Bay - NW of our position, and it
is swept by us in one
direction for 10 hr., then in the
other for 6 hr. - everytime the
tide changes, most of it is going

out, however, and lately it has
been breaking up rapidly.
It has been cloudy most of the day

D
E
F

3 - July 29 - a.m.
Went off anchor at 3/4 low tide;
weather cloudy. Temp of water 31°.
Anchored in a cove 3 mi.
S.E. of above position, on the SW
shore of a glacial moraine;
to the left of this, a small
stream beds coming down, there
were several others, but they
seemed to be coming off snow-
banks. 13 fathoms at low tide.
Moon is full so tides are maximum.
Coast is very rocky in places
thru than the moraine.

To the one
that Dr. Schmitt
says was.

X 4 1/2 in. The contents of this jar
are from the dredge. There were
only several hauls in this time
all of them were taken on Coombs
and on the least lands in Frobisher
Bay; Baffin Land. Mostly where
the long streams of kelp was
fastened to the bottom. The bottom
was mostly of small pebbles; and
sand, and mud, and large stones.
The water temp. around 31° to 32° F
no ice. Sometimes a small river,
ran into the cove when we
were anchored. We used the
plankton nets. Whilst the water
abounded in small jelly fish.
and Dr. Schmitt in Annelida, the Big
redness was seen, we could
not seem to be able to get the
small jelly fish on the plankton nets.
The depth of water when we used
the dredge was 20 to 3 fms greater.
The Range of Tide 20 to 25 feet, and
its Springs of 30 feet. Sometimes strong
currents, but more often quiet water.

No 5 two Contains made of
same thing as No 4 and taken
near the same region; that is, the
Cove, where we anchored.
The dredging was done from a
Boat; also the Boat was taken
out the dredge, then it was lowered
in by hand. ^{to the MORRISSEY} The dredge that Dr.
Schmitt found the way the one was
used. The Red Algae ^{OR K&LP.} was on
a very long stem; and was the colour
of Wina. I found in it the "Rhodospira"
I used a small Spangle over the side
and dragged it up ^{ON DECK GOING THROUGH - FOR SPECIMENS.} It is in the tin No 4.
and No 5. I made a few feet of it in
coloured film. Then ^{OF FRODS} we had the Brown
10 ft long narrow ^{OF FRODS} also the wide
leaves; with holes in it. The great
difficulty in using the dredge was
that the 10 ft long ^{OF FRODS} is; that, the dredge
cannot sink through; and **BITE** into
the bottom. All in ^{N^o} 4 & 5 6 put up, in 40 to
Journal pages 1 to 9 parts.

The 3 tins 4. 5. 6. were sold on
Sept 8/42. No 4 & 5 two were taken from
Aug 31. to Sept 9th. We were so busy, that
I had to do most of the dredging. The crew were
mostly engaged in surveying, sounding, and
charting.

G
H
I

No 6. Tin; Contains All Iron ore
that was gathered in Dr Schmitt's
Dredge the one he gave me.
This was done in a ^Small Cove on
the South shore of KNEELAND Bay,
An Arm along the West side of
Frobisher Bay; Baffin Land, just
beyond Comand's anchorage. I threw over
the dredge in 25 fms water. We
went out 50 to 60 fms. Rope and
stopped the engine letting her come in
to anchorage slowly. It shoaled to 13
fms. then got deeper to 20 fms. and
again shoaled; we anchored in 12 fms.
The water rises and falls in ordinary tide
15 to 20 feet. When we anchored I had
all hands haul on to the dredge line
slowly hauling it in to the ship.
When it came up; there was about
a half pail of mud. We
then used the sieve; and strained
some through the Cheese cloth that
Dr. Schmitt gave me. We got about
3 Pails of Pebbles. The rest is in the
tin. The water was about 22.5 F. Two fairly
large streams of water its source from the
melting of the snow and from the ice cap. They empty into
the cove. A one to 1 1/2 knot current runs through
this Cove. Water is 5 to 10 fms deep D.L.W. Whilst anchored
they saw a few Bay Seal that is the Ringed Seal.
Also White Whales first time we saw the white
whale was in the bottom of the Bay about 5 miles in.

It was excellent holding ground.
Our anchor held well for ice
about. Lots of jelly fish;
the little Black Copepod that flaps its
wings; and the same that is
called the "BLACK BERRY" by the fisher-
men on the Labrador; when they catch
the cod fish in the early summer,
in their cod traps. to the big jelly
fish. I saw one; passing along by the ship.
My first anchor in this cove; I got a
hold of it, by using a fish **Jigger**.
I captured it; but the man on the steamer
attached. Broke loose, and the current
running; it got away from me. It was a
wine coloured Red. A piece of a big
Lump it appeared to me; it seems as if
it would fall a barrel. The bottom
of this cove, did not have the kelp; same
as among the ^{in the Bay} Islands. No doubt
about it; had one, the time; and free to
do, and so when he pleased; he could
bring a lot of rich stuff out of the
Bay. It is a good seal like the
Labrador. There are ^{in this Bay} many schools of
the Harp Seal. GREENLAND SEAL. I don't think they
catch any trout worth while in the Rivers. I saw
NONE at the Mouth. Evidently the ^{catch} crustacea; jelly fish,
starfish, and Polar Cod. Sea urchin; Sculpin, and
Schrimp; also the Sea Cucumber, and worms etc.

J
K
L

The Ringed Seal and Hoar Bat Whales
seen there in the mouth of the Saglek,
Sunnell and Jordan Rivers. The White
Whales they followed in the Pass. The
form of the seals to be some of
I saw them in both places.
of the locations of the seal and the
Harpe Seals that in March breed
N.E. of Belle Island off Southern Labrador and
Northern Newfoundland. Mouth of Belle Island
finds these same seals and young
Bats there long after the shipping ice
has broken up. Sometimes south of the banks
of Newfoundland, to the Fiords of Baffin
Land, and Southern Ellesmer Land. These
do not eat a lot of Bottom stuff. That live ^{at the floor} ~~at the~~ ^{of the}
FIORDS. I have seen them in **FROBISHER**
BAY; CUMBERLAND GULF, and the BAYS
and Inlets from the later to **POND'S INLET** through
Navy Board, Admiralty Inlet, through **LANCELOT**
SOUND on **TO TONES SOUND** and the Inlets
northward to Cape Sabine. Ellesmer Land.
To feed these great vast herds of seals
over a period of several months must take
a big toll from the sea floor and waters.
Many of the stomachs of these seals
brings in the past brought back to
Dr. Walds L. Schmitt. With the changes
in things for Bares what will this do to
the fauna of the land and the sea and
the fractured tribes? War surely is well
and well is only beginning to start.

No 7 This contents of this small bottle
was taken from the small boat when
it was filling the Casks with
fresh water. The net was out for
about 1/2 hour. The Boat steaming
the current the Silvia Spinnoff
River. Frobisher Bay. Baffin
Land. September 8/42

No 8 Bottle contains 10 Stomachs of
trout taken in a net (Bill) The net
was put out late afternoon and fished
all night until 6 am next day
which would be Sept 9th. The
trout were caught in nets and
weighed some 300 lbs. Spout. Right
When this net was 1/2 when the
Boat filled the Casks with fresh
water. Temp of water 42 F.

No 9 Plankton haul. Net. Put out just
at dark ^{7:30 PM} when we anchored in 17 fms water
Soft-bottom sand & mud. Perhaps fresh water
It was at the S.W. end of Daniel Island.
Frobisher Bay. Baffin Land. Sept 9/42. The Tides
was slack water; and just beginning to ebb.
fresh N.W. Wind. Snow Flurries. A narrow Tickle
or Strait separates the Island from the main land
water 32.5. It was H.W. just ebbing when the net was

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P

6.00 am Beginning Ebb tide
Sept 10/11 Darkens between 8+9 hours.

Hauled and contents put in Bottle No 9. (Small) Newell Sound is at the North end of the Tickle and the Harbour when we are anchored runs in from Cape Vanderbelt for 8 to 10 miles. No doubt that we are in when large herds of seals pass through the Tickle going north and coming South. Not fished 13 hours, and fresh to me N.W. winds throughout.

No. 10. Plankton haul from 6 am. to 12.30 am. Same place as No 9. Ship Anchored Snowing all morning. Wind blew hard from NW. up to 10 am. The rest of time to haul almost Calm setting toward low water. This haul ran all through the falling water. D. L. W. depth where we anchored 13 fathoms at H.W. 17 $\frac{1}{2}$ Water temp 32.5 F.

No 11 12.30 pm to 6 pm net out and fishing part time strong N.W. wind and snow. Ebb tide finished about thirty all black water to 2.15 pm but did not fish with later part of Ebb tide not until just before we cleaned it out which was 6.15 when we put it out. Same place as 9.10.

No 12. Plankton haul out from 6 pm Sept 10th to 6 am Sept 11/11. water 32 F Strong N.W. wind at times more often winds fresh. H.W. beginning flood 1.30 pm H.W. among 7.50 pm.

No 13 Plankton Net put out and fished
over the same period of time as No 12
same place as yesterday Sept-10/42 and
from the stern of Schooner "Whist" anchored
darkness and falling water mostly about 5
hours of flood. New Moon 15^h. 53^m. P.M. P.C.T.
Sept 10th. 10 A.M. ship time. Lat of the place where
anchored. approx. 63.10.00" N. long 67.45.00" W.

Plankton Net No 14. Down from 6 am to 7 am
Ditto No 15 Ditto.
Same place as No 13 and pretty near
same conditions. Contents of two NETS
from Stern of "Morrisey" during time she was at anchor.

No 16 Leaving our Anchorage in Daniels Harbour
Put aboard Dredge. Using Dr Schmitt's.
Water 32 f. towed for a few hundred yards,
until we got in deep water. Had out 60 fms
drag line. Stopped ship. Hauled in Dredge
by hand. The contents of this Jar No. 16 ^{are some} of the contents ^{of the} Dredge ^{is}
if enough. We picked out a lot of KELP that was in
Dredge; all of which we put in ONE
5 Gall Gasoline tin; using as a fixative
4% - 40% Formaldehyde. In Bottle # 16. used Alcohol
None, 8 am. Sept 11/42 Same place as # 13.
We did not have any kelp on anchor when
it was sighted. This Tin is Numbered No. 16A

No 17 Kneeland Bay - Froisher Bay.
Baffin Land.

Latitude approx 63.05.10N long 67.26.00W.

Coming to an Anchor off a small
Island, which joins the mainland, by a narrow
Tickle; which Tickle, dries at L. water. We
put down Dredge in 30 fms; and paid
out 60 fms line. The ship towed it for
a short distance. We anchored in 16 fms
of water. H.W. at the time. And at L. W.
It was 11 fms. This was around 10.30 AM.

Sept 11th. The tide was Dead Low; around
2 PM. 3.30 PM. we got underway, and
steamed out from anchorage; then let her
drift, and when in deep water, hauled
in the Dredge. We have dredged before in
this Bay; but on the South side, in same
depth of water; but did not get such a
variety as was in Jar #17. Within a few
feet of the Island at D. L. W. there was
5 fms. and the kelp lay all along the
Island much of it at D. L. W. A wash
the small bottle no 18. belongs to the Dredge
Haul of no 17. It is the washing out of cheese
cloth in bottom of the Dredge.

No 19. The contents of this Jar is
from a Dredge Haul in 7 to 12 fms
of water. Tide $\frac{3}{4}$ flood. at D. L. W. The
shoal comes but 2 $\frac{1}{2}$ fms ^{of water}. It stands
about a mile off shore, in the mouth

Frobisher Bay
Puffin Land.

of Kneeland Bay. This Shoal Spot
was discovered accidentally by the
Fathometer, aboard "Beal." It is really
a Pinnacle Rock; around the ~~spot~~^{PINNACLE}
there is a depth of 7 to 12 fms. then
it drops down to 20 fms; and quickly
to 100⁺. The Shoal Spot is about a
quarter of an acre. Kelp can be seen
at W. S. W. the top ^{ends of the} flows floating.
Lat of this Place Approx 63.04.30 N. and
Long 67.24.00 W. Temp of water 33 F
By P.M. Sept. 11th 1942.

Wedge used Dr. Schmitts. So much kelp
it's difficult for it to bite into Bottom. The
long kelp is like a Rubber Matress. The
top of this Shoal is Smooth Rock. One would
think the drift ice would have cleared
off the kelp. Evidently the Bay ice which would be thin when
it breaks up goes out to sea. I don't think the heavy drift
ice that comes down the coast from the north gets in so far.

* 20 Plankton Hauls. There were 3
hauls made; 20 minutes each. Sammy Bartlett
held the plankton nets in his hands
wading in the River; water was about
2 1/2 to 3 feet ^{deep} and flowing out of the Sybl
Spinnell River. Water (fresh). So that a
person could drink it. This was at low
tide. Mud dam out near to the mouth of River.
Sept 13/42.

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V

No 21 This Bottle contains all that
was in the Dredge. It was towed by
the motor boat plowing slowly ahead for
the River. ^{and in} Salt to Brackish Water. Thermometer
33 F. in ice in River. dead low water at this line
and from 5 to 10 feet deep. The plankton net
No. 20, was used at times not far from
the boat. But it was in Brackish water. For the most
part ~~the~~ ^{NET} was used in fresh water. Perhaps where Dredge
had been towed fresher water may have been deeper down.
^{THERE} was no kelp nor algae of any sort. The stones ~~had~~
been washed down by the Swift Current
and Ice, earlier in the season. Sept. 13 '42

^{contains}
No 22. In this Small Jar. ~~with~~ ^{Sand; from} ~~the~~ ^{the}
the Bottom of the Cheese Cloth Bag;
that we had sewn inside of the
meshed net of Dr. Waldo L. Schmitt. ^{Dredge}
was about the $\frac{1}{2}$ of a 5 Gall. tin ~~bag~~ ^{LEFT,}
this we put through a Sieve of Copper ^{FINE} mesh
that Dr. Schmitt sent us; when it was
washed there were ^{left} some pebbles; but it
seemed to me that there was still much
sand left; so I left it in the tin. ~~and~~
It will go to Dr. Schmitt. This was made
over the same ground as what #21 was
taken from. "The mouth of the Sigsbee Spinnell
River. Dredge down ~~on~~ ^{the} banks and over a
distance of a mile. It was made for

22A - Dries + can be seen in baby, as example
returned to jar and was discarded.
Feb. 1946.

the most part in Brackish Water.¹
The water, or the Tide, was dead low.
And this occurred two^{days} after the NEW
MOON. Naturally, a very low tide would
result. The Sand in Jar No 22. and the
Sand in S Ball in Number 22A. was taken in
the same Bedgr. And is the Sand, mud, Gravel,
etc. from the Banks of the River. The River by
the way is navigable to the Falls only at H.W.
The Falls are but 18 to 20 feet high. At Spring
tide and top high water ^{at a depth of} $\frac{1}{2}$ ft - 20 feet ^{at a distance of} with
the main lead. And ^{at a distance of} one mile from the
mouth. And too; the River ordinarily is narrow
but a few yards wide. In the Spring when the
melting goes on and it overflows its banks there
is a lot of much water spread over. The delta was
at low water dries and acres of sand and gravel
and boulders dried out.

No 23. The contents of this Jar was obtained
from the Plankton net towed from motor
Boat during High Water Spring. The Boat
toward the net slowly up the River from its
mouth and is about one mile to the
falls. Being H.W. at the time very little current
was met with and on getting to the falls which
are 18 to 20 feet high the tide was almost even
with the falls. Beyond it was not navigable
for motor Boat soundings were made.

by using Hand lead and a 18 foot-
 depth gauge was observed. The net was
 set during the time the Motor Boat
 in and out the River. Surface water temp.
 was made and 36.5 F obtained this at
 the falls and out to the mouth of River
 feel sure we had fresh water at the
 time throughout. The time consumed was
 a few minutes short of the hour and
 the distance two miles. September 13th / 42
 The mouth of the Sylvia Samuell River.
 7 Novher Bay. Baffin land.

No 24 Is the Contents of ^{171 W0} ~~the~~ haul of the
 Dredge in 11 fms to 25 fms of water.
 However it was mostly done in water
 at a depth of 11 to 16 fms. Dredge down
 for one half hour; Motor Boat towing
 the Dredge slowly 60 fms of line attached
 to the dredge and was the one
 used by Dr Schmitt loaned us. Bottom
 for the most part coral, stones, small rocks
 and much kelp. at no time did the dredge
 foul the bottom. The kelp filling up the
 mouth of Dredge perhaps spoiled getting so
 rich and a more variety. and too with
 the long tough strings of kelp fastened to
 the bottom it was difficult to get

the dredge to bite in to the³
Bottom. The dredging was done
mostly around Islands and sheltered
places in a Bight not far from
the mouth of the ~~Sylvia~~ ^{Sperwell} River
Frobisher Bay. Baffin ~~Bay~~. The Tide
was about $\frac{3}{4}$'s down when we finished
and when we began dredging, the
water was near about $\frac{1}{2}$'s down.
Rise and fall of water would be at
Ordinary Spring tides 25 feet. and
at Spring 30 feet. It was ^{low} High
water when we began and the wind
~~the~~ N.E. fresh. S.W. forecast. There is no
doubt much Fauna at the Bottom
amongst the kelp. Many many Herds
of the Greenland Seal are seen. Besides
the Ringed Harbour Squid, Hippes, and
Little Star Rat. Also White Whales.
The two hauls were made in the
same section and dragged down for
one hour each time. that is
one hour for the two hauls. Left us the

~~to 25~~

No 25

Sept. 18th. 1942. 4 P.M. ~~at~~
 in the narrows. Lat $63^{\circ} 27.00''$ N approx
 Long $67^{\circ} 55.00''$ W approx **Trobisher**
Bay. Baffin Land
 contents of dredge which was
 let down for a few minutes first
 in 6 fms. of water ^{H.W. L.W. 25 fms.} on the top of
 a shoal. And a short distance
 to the west it dropped to 130 fms
 in shore to the Island to 15 fms
 lots of kelp. the same place
 is a field of kelp on the floor
 of the Strait. Strong currents up to
 16 knots sweep through the place.
 lots of seals schools of them they
 are the migrants the Greenland
 seal. Intended to use tow net but
 overlooked it. so many things doing.
 Temp of water 32.5 F.

No. 26. Contents of Dredge from As in
 no. 25. Not many animals in this
 Bottle the major Portulacids in no 25.

No 27 Plankton Haul, Below Narrows.
 The net was only out for a few minutes.
 This was made after ^{Sept} 18th, 1942.
 In deep water about a 3 knot current.
 No far from where Dredge was
 used no 25 and 26 bottles.

Number 28. No Number
in Time

no 28

The tin which was soldered before I could put the number inside. Contains the results of two hauls by the Dredge, made in Motor Boat number 2. Also used the Plankton net during the time Dredge was down. It was hauled up after being down for a half hour and the contents of the haul put in a tin in the Boat. The tide was low but rising again the Dredge was put down and towed by another Boat the tide was about 3 ft. up. The Dredge fishes for 1/2 hour in 10 to 25 fms of water level bottom for the most part and around an Island one of a B group near the Narrows and in Frobisher Bay. Baffin Land. Much kelp, so much so, it is difficult to keep the Dredge stuff from jamming up the mouth of Dredge. We see no Birds about. But the schools of Harp seals ^{GREENLAND SEAL} are numerous. At times, more so, when Wind comes, ~~then~~ we get currents running strong. Today during the time dredges were down. Calm. No current worth while, ^{save for} ~~except~~ theebb and flood which is from 1 to 1 1/2 knots that is the ^{strength} ~~bound~~, hauls made Sept 19th. 1912.

No 29 2 Plankton Net Hauls made from motor boat⁷
During the time the drags were fishing
Surface water 32F This was made same place
and around Islands in Tropic Bay. Sept 1946
1947.

No 30 Made same place, and time, from
motor boat. Same as No 29.

No 31 "Morrissey", anchored in a small harbor,
amongst the Group of Islands, near the
Narrows. Lat 63.24.00 N. Long 67.52.00 W. Approx.
At low water, the mouth of the harbor
has many small flats, all of which are
covered at H.W. Low water many of these
flats; and the S.W. end of the harbor has
flats covered at H.W.; and exposed at low.
A current runs through the harbor
So, for a long or more, I used the
Plankton Net, ^{FISHED FROM SEERN.} and the results of it
are in Bottle No 31. Sept. 19th 1947
The water seems filled with copepods and
shrimp, also small jelly fish. Water temp 32F.
Calm fine, and clear. NET fished at the strongest current
which was rising water. I should say here $\frac{3}{4}$ of a knot.

No 32 A Spout's Stomach taken from a net Sylvia Spinnell
River. The trout had pretty nearly migrated to the lakes
This fellow was a straggler. Sep 17/42.

No 37. Plankton net Put out - just as the Ebb Current ran strong. The water was filled with copepods. Small jelly fish. It seemed to me to be several kinds. I maneuvered the net so as to ~~try~~ try and get them but they were difficult to get to go in the net. Net was down for 2 hours then the current slackened so I took it in. The net-fishes for about 3 fathoms below the surface. The water this afternoon seemed to me to be unusually clear. The great lot of life moving with Ebb Current lasted about one hour. Then it became scarce still there were lots of it floating by. Undred in same place as number 30 same date but from 3 to 5 PM net was fishing. Calm, cloudy. Water temp 52.5.

No 33. Towing On Dawn Hauled Planton
 Net. It was out from 7^{pm} to
 around 4 am. Tide was well down
 and beginning to run flood when
 it was put out around 2 am of the
 20th. High water had begun to ebb
 net must have capped as it was
 that way when I hauled it up.
 Snowing fast. Wind N.E. moderate.
 tide 1/4 ebb. water 31.5 F. Sept-20/42
~~_____~~

No 34
 and
 35

2 Planton hauls same place as above
 2 Nts down for about 10 minutes turn of
 flood tide. Not getting anywhere to
 save the ~~_____~~. Sept-20/42

Got in
 Salt water

36 at the mouth of a little stream ^{which is fresh water} (but when
 the contents of the bottle were ~~_____~~ these were
 The Boat was filling casks with fresh
 water for drinking. They were ^{with a small} secured
 by dipping them up in a ^{_____} ^{_____}. This
 was Baker - Apple - 1 Beget. Lat 54.29
 Long 57.10.00 W. Near Smokey Island ^{Labrador}
 Radio contact is.

No 5. Is the Tank containing Alcohol. Put a number of trout stomachs from the Jordan River, Frovisher Bay, Peffer Land. The trout were Caught in the net-sona in the River. Also the two trout in the tank were caught from a number of others in the same net. I had put the stomachs in a tin and later put them in the tank. This was July 29th 1942.

Dr. Schmidt's Draft landed in Breaux on our way home. This was done by 2. Table

No 2 Chests are a number of the small bottles not filled. Instead of filling them we put the contents of the dredge hauls in 5 Gall Tins and they are marked by number. And too there are a few Big bottles that do not have any reference numbers for the Record Book. But all the material sent this year comes from Frovisher Bay Peffer Land.

P. A. Bartlett
Sole collector 1942

