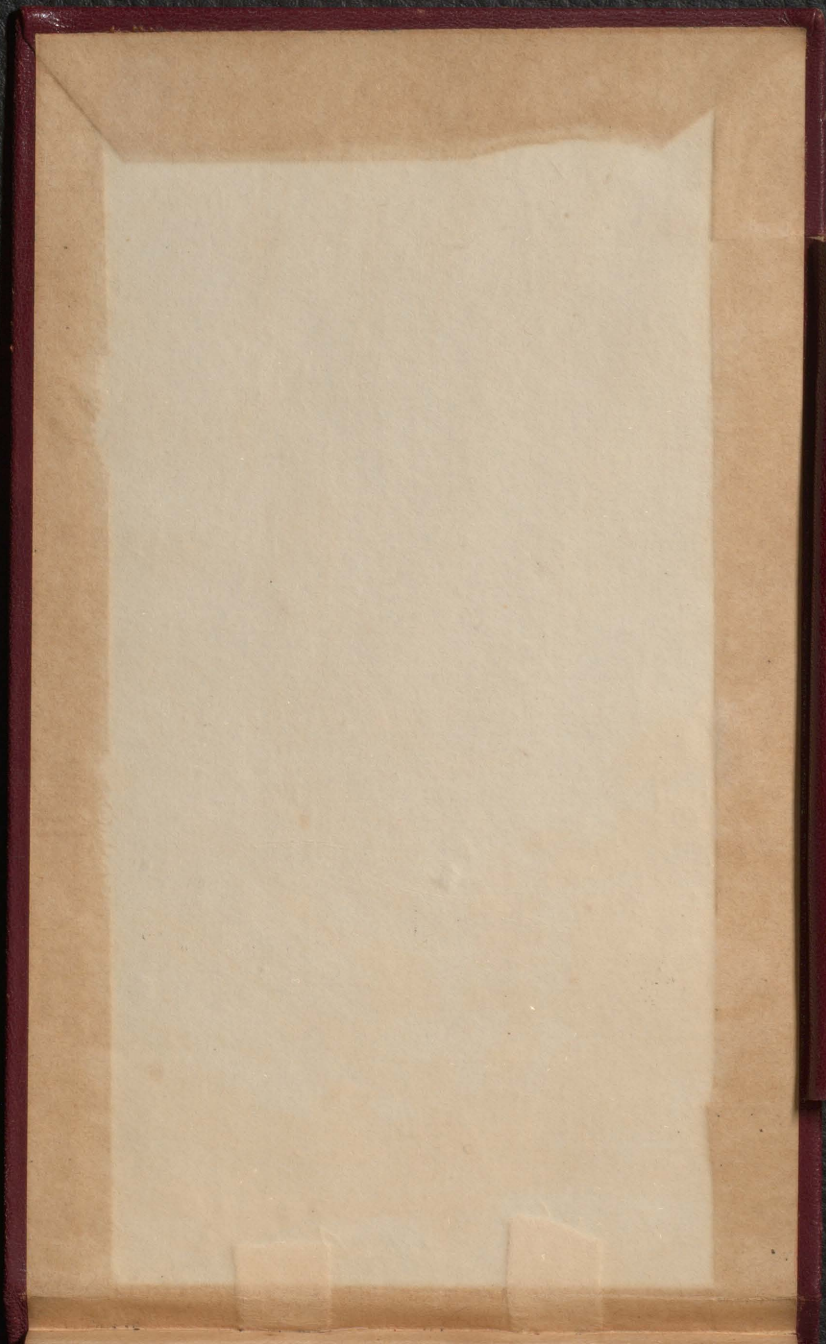
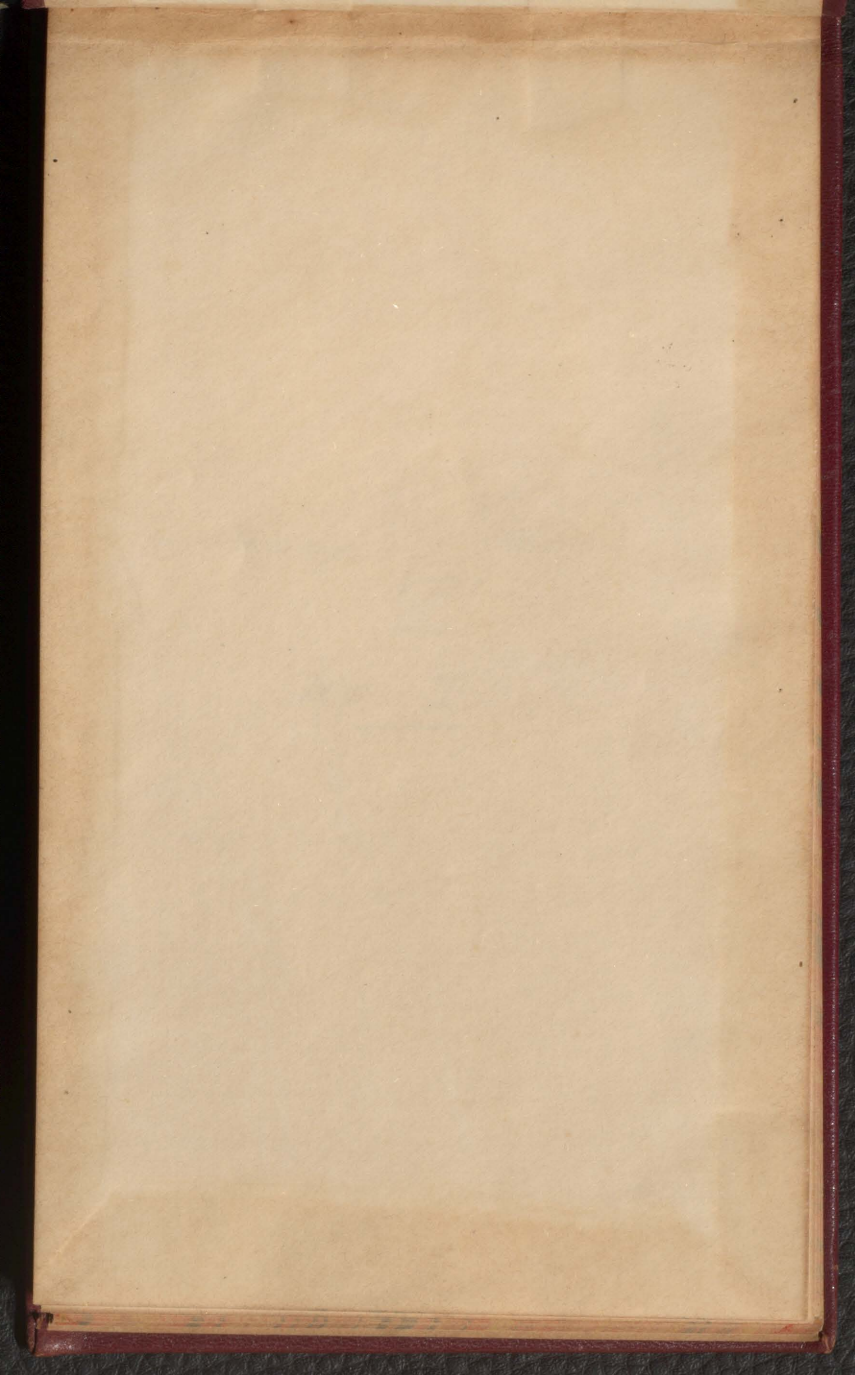
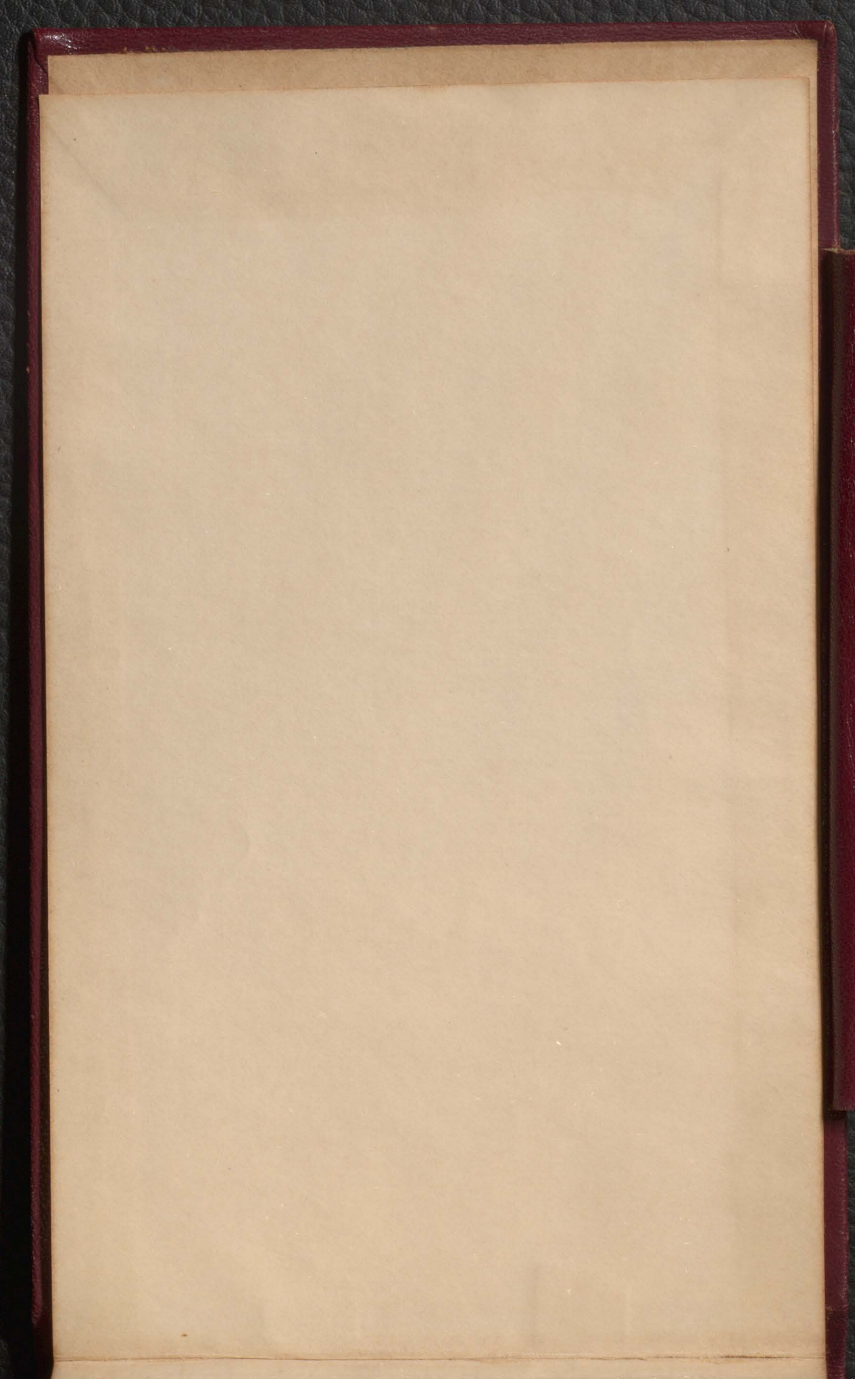


No. 2. 18









George M. Dawson
1891

No. I.

1

July 10. 1891. Left Ottawa
going west by 12.25 Am.
train.

July 11. Delayed about 5 hours
at Jack Fish by engine derailed
ahead against a rock fall

July 12. Arrived in Winnipeg about
2 hours late, leaving again on time
at 2.20 Am.

July 13. Travelling westward on
C.P. Ry.

July 14. Travelling westward,
got blankets & guns on board
at Kamloops.

July 15. Reached Vancouver about
12.30. Danube waiting at
wharf. Received delegation of
Sedlers of Vancouver at 2 P.M.
Left in Danube about 5 P.M.
for Victoria.

July 16. Arrived Victoria about
1.30 am & tied up at Outer Wharf.
Deputatus from Board of Trade &
Victoria & Sealer's association
at 10 am remained talking till
about noon. Also called on
Mr Milner at Customs House
& obtained some general information
from him. Saw Mr Powell
& arranged with him to send
out Circular & Enquiry on Seals
to Indian Agents in Court. Any
Copies & replies to be sent to
Care of Charles Fodd, Indian
Agent, Metta Ketta. Documents
all ready to leave this evening, but
Captain states that leaving at 3 am.
will make equally good time,
reaching Seymour Narrows at
right stage. Wrote letter to
Hon C.H. Jaffer informing him of
progress etc. (see copy)

July 17. Leave wharf a little before
5 am. The Princess Louise also
for the north, leaving about same

time, find that a ~~an~~ ^a ~~Saxon~~
hunter & two boat-pullers engaged
with him had left, being unable to
arrange with Captain in some way.
Unfortunately did not know of this
in time to take action in it. Pass
steamer 'Queen' going South, a short
distance north of Cape Mudge.

July 18. Call at Alert Bay 4 am.
& put ashore a mail, out through
Goldens channel & across Nawitti
Bay to the westward, see several
small whales today.

July 19. Pass a skin boat of
Ewe kind this morning nearly
submerged & very imperfectly seen
but no doubt has drifted from
Allutian Islands. Engines stopped
about an hour to renew packing
before noon. Position at noon
Lat $51^{\circ} 31'$ Long. $134^{\circ} 49'$

July 20. Schooner sighted early this
morning going South. Position at
noon. $52^{\circ} 2'$ Long $140^{\circ} 29'$.
- morning with glimpses of Sun. Plus.

persistently cloudy & sometimes
drizzling. water 8 A.M. 51°
July 21. Not warming, fine in
A.M. but only occasional gleams of
Sun. at noon Lat. $52^{\circ} 28'$
Long. $146^{\circ} 13'$
water 8 A.M. 51°

July 22. a fine day but almost
continuously cloudy, & cool throughout.
light winds & calm sea.
water 51.5° 8 A.M.
at noon Lat $52^{\circ} 49'$ Long $152^{\circ} 2'$

July 23. Cloudy & thick all day,
with occasional drizzling rain.
Sun scarcely seen. Schooner
sighted early this am apparently
going north to Shumagin Islands.
Mate reports seeing a fur seal today
about 100 miles S.W. of Shumagin
Islands.

July 24. Made the land this
morning, & after some uncertainty
as to exact position, caused by

for having about a imperfect
knowledge of Coast as shown on
Charts - no one on board having
ever been here before - made out our
Position, got into Akutan Channel,
& about 7.30 P.M. got into Dulick
harbour, Unalaska. 14 M. S. Herant,
Capt. Hadley in harbour, also
Chartered Collier Costa Rica, Cutter
Rush. U.S. 'prison ships' Al-Ki
a some other vessels. 14 M. S. Nymph
expected, with some additional,
U.S. vessels.

Geol. Geol. S. Side of Akutan Island
shows horizontal or gently undulating
strata. Some evident beds of
columnar basalt, others very thin
sedimentary Tertiary of some kind,
swathes hanging over volcano in
middle of this island, but not
very notable. Similar general
appearance about Unalaska of
gently inclined rather massive
strata in slopes of hills.

July 25: visited by Captains of Al-Ki
& Rush, also by Capt. Turner of
Nymph which got in this morning.
Astors getting odds & ends & picking
up information. Up to head of
Harbour looking at & photographing
the schooners there beached. Intended
to leave this evening, but 'Albatross' with
U.S. Commrs. came in & decided that
best to see them before going & to leave in
the morning. U.S. Ships Alert & Thetis
also came in, the latter just before
dark. visited by Mr. Light & agreed
to take him up to the islands.
Secured an Aleutian & Russian
interpreter who speaks very fair
English. Long interview with Mr.
Newman in charge here for the
old of Alaska Commercial Co.

*Beached
Schooners*

Schooners on beach above referred
to lie between high & low water mark
on a gravelly shore. Entirely dismasted
bottoms overgrown with mussels &
sea-weeds. & evident that on care
whatsoever has been taken of them.
More or less rotten & worn even in

planking etc. & of little or no value.
Capt Taylor thinks would not pay
the cost of floating & repairing or
re-canning to repair them.

July 26. Left Unalakka 8 am.
steaming out for St George I.
Spoke with Wholes & some Inuit
30 m. NW. by W. of Iliulik.
P.M. passed & communicated
with U.S.S. Motifan.

Generally overcast & often quite
thick fog.

Seals
seen.

See three solitary fur-seals
between 40 & 50 miles on
course from Iliulik, one sleeping.
at 8.30 P.M. see six fur-seals
playing about patch of floating
ice. Keep 90 m. S.E. of St George.

July 27. Dense fog all day, with
calm or nearly calm sea & overcast
sky. occasional glimpses of dim sun
but horizon never visible. Tried to
make St George Island some time
unsuccessfully & then bore away for
St Pauls Island. Steaming slowly

a good party of Pen. but dropped keel
gain in evening & lay at anchor all
night.

Seals
seen

near
St George

between
St George
& St Paul

Several seals seen this morning, though
high on rubble toward ship very contracted.
Two swimming together, rest single. Also
probably 30 seals seen in Pen. under
same conditions - sometimes two
together, usually singly. Playing on
swimming about on surface. Always
rising high out of water flock of steamer
& not at all alarmed, though shy.
Shot fired on one occasion caused
a couple of seals to dive quickly, but
they soon came to the surface again.
About midnight notable abundance of
seals swimming round. Some passed
quite close to side of steamer at
anchor. Popping up in all
directions & known by respiration
heard across the full sea. Did
not appear to be travelling in any
particular direction. This about
8 miles from St Paul (possibly
or 6 miles. To S.E. of Otter I.

Memo. of Whites on Seal Islands

Aug. 28, 91.

Major W. H. Williams, Treasury Agent,
 Col. Joseph Murray 1st ant. do.
 S. R. Nettleton 2nd " "
 Mrs Nettleton, School Teacher.
 G. R. Tingle Supt. N. A. C. Co.
 J. C. Redpath, Manager on Island.
 C. G. Beldwin Bookkeeper for Co.
 Dr Herford Res. Physician,
 Ed. Hayes Cook.

St George

Capt A. W. Lawrence 2nd ant Treas.
 Col. Barnes " " " ^{agent}

(to same as above)

Sam. Webster Res. agent A. C. Co.,
 Dr L. A. Hayes Res. Physician,
 Mrs Mitchell School Teacher
 Mr Titchener. Labourer

Mr J. Stanley Brown, Special
 agent to study conditions of seal life
 etc.

July 28. Got under way again
pretty early this morn. for Cape King Sound, &
& before long made land of St Paul's
& anchored on W. side Reef Point,
near the Settlement, went ashore &
there met people in charge. Then
went over Tingle out along whole
length of the Reef. Dived at the
Carpenter's house. Ran out to
Inkannum & Keloo Rookeries.
Evening had Major Williams &
Col. Murray to dinner.

Staley
Rookeries

The seals have to some extent already
lost their solid formation on the
Rookeries, but the bulls still
hold their places & the number
of them & the pups, apart from
the females ashore & the Killable
seals, backlans or holluschidkie
(pronounced 'holusjicks') with
the area of warm ground bare of
grass & vegetation enable a very
fairly accurate estimate to be
formed of the general condition of
the Rookeries.

10

The preliminary examination of the
rookeries today appears to indicate
that no immediate danger of
extermination of seals. Great numbers
present a very large crop of pups.
From such observation & from
statements already received seems
probable that Elliott & Mearns much
exaggerated numbers in past
reports & in that of last year greatly
or by considerably underrated the
numbers.

*pups
swimming*

Noted also that the pups in
great numbers swimming in the
edge of the water & climbing out &
in. Did much earlier that that
given by Elliott & Bryant, & this
notwithstanding the fact that
Ingle says he believes arrival
of females now to be 15- to 25
days later than formerly.

*young
female*

Noted one female leavy with
pup, landing & trying to find
a place to establish herself on the
rookery, unsuccessfully so far as seen.

Ans. seeds
seeds
& shells.
Largest number of jewels seen
with any one ball in the rookeries
today 20 to 30. Very variable.

Jacks
seeds
close to
shore.
Great number of jacks, now feeding
in groups of number up to 100
+ 400, accompanied by jacks, shows
that at least half jewels in water,
bocks full of seeds at moderate
distance from shore, but thick only
close to shore.

July 29. Went in Govt. Boat,
with about crew & accompanied
by Col. Murray & Mr. Tingle to
Lopadnic Rookery. Looked over this
afterwards examined from the
water, slowly counting along near
East ¹ Lopadnic
by ¹ Middle till hauling grounds, &
Tolstoi & Saigon Rookeries.
Evening met the U.S. Commissioners
at 'Govt. Home'

Lopadnic. Tingle says that the
hauling grounds here extended considerably
further back when he first saw them,

Lichen

but on examination find the rocks
 well lichen to the edge of seaweed
 bare of seals. The growth of this
 lichen cannot have occurred in
 a few years but must have taken
 time. This rookery seems
 fairly occupied & no complaint
 appears to be made about its
 condition. Today, owing partly to
 rain, water all in front of
 rookery nearly black with swimming
 seals. Erect crabs of young pups
 on this & other rookeries seen
 today. Nicolai (chief of village)
 says that at present very few
 Killables = *Polaschickie* at
 Zopadine & that ten years ago
 Killings were made at Zopadine.

few
killables

East Zopadine. Murray says he
 had estimated seals here at
 about 20,000. No complaint of
 decrease of this rookery but
 Elliott's figures of seals in 90
 are much more than above.
 Is it possible that of previous

Elliott's
figs were

Consistency & an endeavor to
maintain his peculiar mode of
enumeration he has even in 90.
seen too high figures? These
might still be employed to show
great decrease if compared with the
rather uncertain (?) figures in some
cases p 72-74.

E. J. J. J. Nicolai Krutkoff (second ship) says
no. Killables that all now kills a cow in E. J. J. J.
& English Bay, no Killables practically.

Extent Length of sea front of all these
looker's seems now little if at all
decreased since Elliott's old notes, though
doubtless were scattered a thimble.

Quibble Hill. Middle hill at East End English Bay,
is a great hauling ground & a
looker's. Murray says that the
decrease of seals in this hauling
ground perhaps were not so
anywhere else. As seen today, however,
pretty well covered with scattered
fods of Killables. Some days ago
Murray estimated the Killables here
at about 5000.

[Faint, illegible handwriting covering the page]

Tolstoi. Compares very well with the
dead pupae other rookeries, being equally well
filled or perhaps better than those
before noted. Usual great abundance
of pupae. In one place, on seaward
slope see several hundred dead
pupae scattered about. Partly decomposed
& probably killed at least ~~two~~ ^{two} weeks ago.
Murray cannot account for these.
Nicoli says undoubtedly killed by
balls running over them, but why
in way in one place a few
elsewhere I cannot divine. unless
a stampede of seals through a
large pod of pupae. Possible that
such way has occurred in driving
killable from edge of the rookery.
Murray says Tolstoi is one of the
best rookeries.

Lagoon Reef. This rookery like the
others has its old fuel length.
Can have been other than
a narrow strip of a rookery, but
might accommodate in the other way
were seals.

[Faint, illegible handwriting covering the page]

The very small Rookery near the village
has been altogether abandoned for several
years

July 30. Wrote out some notes after
breakfast. Landed & had another
long talk with Mr Dingle, Chief, about
numbers & disposition of 'food skins'
& mode of carrying them over & shipping
with following year's catch.

After lunch went out along the reef,
very dull & spitting rain, but
took for a few photos. Carefully
examined & looked over the Reef
Rookery & Gorbatch. Seem to be
more seals ashore, particularly some
Killables, than on former occasion.
Killables foddered or scattered
all over the 'parade ground'.

Long talk with Mr Redpath
as to general conditions of seal life
on the islands. Redpath is very
intelligent & has been long on the
islands but is very particular to
admit nothing contrary to views of
Company & probably makes his

Views of Native Settlements
on the Alutian Islands.

Attou, northern side.

Atka, Nagai Bay, N.E. side.

Unimak, E. side.

Unalaska, several settlements,

Akontan, Akontan Ht. E. side.

statements with the same object in
view constantly.

Evening landed again. Gov. Mr. Willcocks
a letter pointing out our view of the
meaning of restriction of killing, namely
that quite clearly intended that the
whole number should be 7500 &
no additional 'food skins'.

Took Dr. Merriam, Mr. Tule &
Mr. Laverda on board for St. George
whither we go in the morning to
utilize calm weather & get ashore
there. Call from Capt. Coulson of
the Rush just after dinner.

July 31. Left anchorage at 6 am.
steaming off for St. George. Soon
after getting away, sighted the
Obeasant & spoke her. Captain
Hadley having instructions to keep
Company & followed us. Rounded
west end of island & dropped
kegs in Zapadni Bay. Landed,
Capt. Hadley & Mr. Cove also
landing in their own boat, &
proceeded to look over Zapadni

[Faint, illegible handwriting covering the page]

Rookery. Returned on board & steamed round west end of St George, off in boat off Starry Asteel

Rookery, Danell followed by Pleasant going on & anchoring opposite village. Landed & examined Starry Asteel, then coasted close along shore.

Examining North Rookery. Landed for a few moments at village & then back on board, leaving Zingle, Sorender & Dr Merriam ashore. Loller & Macconn had walked across island collecting etc.

Foggy & calm in morning. Showery & wet all pm. Wind springing up after 2 Pm & blowing strong from South toward evening.

Seals seen noted seals carefully on way between islands. For ten miles from anchorage one or more seals almost constantly in sight within half a mile or so of vessel on either side. Beyond, single seals seen occasionally. At 32 miles from St Paul anchorage six seals seen together, apparently playing & soon thereafter a single seal.

[Faint, illegible handwriting covering the page]

Off west end of St George (about
half a mile distant) great numbers of
birds in water but few seals seen
& none till within about a mile from
Lafodnie Rookery. Seems to show
that seals do not increase in numbers
on approaching any part of coast of
islands, but only or chiefly in
vicinity of rookeries. None of seals
seen observed to be travelling
rapidly in any direction.

Rain
effect

Breeding grounds seen today, owing
to rain, are all evidently thinned
out a good deal. Water in front of
rookeries full of seals, most of which
probably females.

Lafodnie Rookery. Northern end on
flat clay shore, building & rough as
usual. Southern half sloping up on
a hill. Cannot here, any more than
elsewhere, form any correct estimate
of number of seals. This may be
partly due to the present scattered
state of rookeries, but even if all
was packed could be little better than
a guess. This is not a large

[Faint, illegible handwriting on a grid background]

Rookeny, a Dingle thinks that it is
one of those which has suffered
most. He attributes this chiefly to the
numerous raids which have been made
on this rookery. Adds, however, that
the disturbance of seals has very prob-
ably caused them to go on to St. Paul's.
A guess at number on this rookery,
counting rookers for pups now
washed on rookery ^{might have been} from
5000 to 10000. The ~~little~~ ^{highland} seals seen
centrally less than 1000 & allowing
something for those which may be at sea
cannot be ~~less~~ ^{more} than 1500.

Stary arteel, a rookery on a steep
slope, bounded by a cliff seaward on
one side. If Elliott's old plans of
all trustworthy here an evident
diminution, which, as now frequently
elsewhere, may be measured by the
lessened area of bare bounding
ground.

North Rookery. This is supposed to
contain about half the whole number
of seals on St George Island. Spreads
along a great extent of sea margin,

[Faint, illegible handwriting covering the page]

& when the cliffs are broken down,
widens out. Here, as in all the
other today, great masses of pebbles &
very many seals in the water off
for a short distance. Great proportion
will within $\frac{1}{4}$ mile of shore. What
can be seen, with Harris birds
& accounts seems to indicate
scarcity of Kollushikie, including
particularly Kishobles of 2-4 years
old.

August 1. Breakfasted early this
morning & started at 8 am. to
see killing of 20 seals for ~~skins~~
food of natives. Then, accompanied
by Sorensen & Single, walked over
the hills to Great Eastern Rookery,
examined it & the Sea Lion
Rookery & returned to village. Lunch
at Company's house. Then, walked
to Little Eastern Rookery & returned,
accompanied by Sorensen. Dr.
Harriman with us both morning &
evening. Returned on board.
Rather strong southerly wind all day!

wet mist & rain. Capt. Hadley &
his Cox & Drives.

Killing at St George. Seals driven from
the beach end of North Rodding, but
none than half a mile. On our arrival
were ready to be driven down till
to actual killing ground. Drives
out killing ground in small groups.
Whole number driven 250 to 300. Then
each group or 'pod' the best specimens
selected & killed, others turned loose
& allowed to go to the sea from the
killing ground. Though driven but a
short distance & doubtless under
Circumstances with all care possible,
evidently much exhausted & very much
frightened. Seals driven chiefly yearlings
with some 2 year olds & a few old
bolls. Two of the seals driven were
wounded on the belly. One of these
killed & the wound an excruciation an
old one made some days ago - though
perhaps by stones on occasion of a
former drive. The other full wh. Seals
turned loose travelled in small pod
each time toward sea, going a short distance

Driving.

[Faint, illegible handwriting covering the page]

& then receding for some time before coming
again. Some completely tuckered out
& not even able to keep up with rest
of pod. Saunders' attention being drawn
to this he said 'Oh that is interesting, they
sometimes stay here a couple of days'.
On the Kelling ground the seals driven over
the putrid bodies of those previously killed.
This alone would surely be sufficient
to render any animal, particularly
one so sensitive as the seal, shy of the
entire locality, & likely to lead to
desertion of island as a breeding place.
Stomachs. Had all the stomachs opened. In
one a handfull of pebbles. Saw not
slimy matter or bile. In one
an isopod & some fragments of
fish bones. One contained brownish
blood, evidently extravasated owing to
some internal lesion. No food
whatever in the other stomachs. In
all or nearly all a few lively worms.
The whole ordeal of driving evidently a
big trying one, but what its precise
effect may be cannot of course say.
On the Kelling ground at present a large

[Faint, illegible handwriting covering the page]

Seeds
not used for
food.

Number of bodies of seals in decomposed
state of which no part has been taken
for food. All these killed today taken
for food, being about one for each family.
This will serve the natives for a
week or thereabouts,

Great Eastern Pasture. — This looks
a thriving wottery enough with very
large gusts of pups. It may of course
be reduced from its original dimensions,
but scarcely fair to assume that the
entire area of about grass about it was
at any time simultaneously occupied
as breeding or hauling grounds.

grass
area.

drive

Seeds are driven from here all the
way to village killing grounds, which
must be a very severe drive. Lovén
says not more than 2/3 possibly
not more than 1/2 number of seeds
here now that were here last year.

Comparison with Elliotts map of 90
does not seem to bear out so small
an estimate or show such great
decrease. May sea-lions as on
near this wottery, with pups. They
have hauled out here after leaving breeding

sea
lions

[Faint, illegible handwriting covering the page]

place to seaward, told that the sea lions
stay about inland all winter, not going
southward like the seals. Sea-lions
& seals seem to haul out together in
perfect harmony.

Little Eastern Mackerel. - This is a
small mackerel & appears to be
quite up to Elliott's limits for 90.
Excellent crop of pups & very flourishing
looking. Pups swimming & diving boldly
along the edge of sea. Lovander says
has kept up better than any on the
island. Distinctly a breeding
mackerel with very few Holluschickie,
In consequence of driving (pills
Lovander) for last 3 years except
one killing of 60 this season. This
exception probably explains poor
state of mackerel. Roughly estimated
whole number at about 5000. Told
afterwards by Lovander that Elliott
estimated number in 90 at 4800.

Excellent number of females swimming
& 'boiling' in the water off the
front of mackerel; nearly all between
the shore & the inner edge of field of

keeps
swimming

keeps
swimming

[Faint, illegible handwriting covering the page]

Kelp. A few in the Kelp & a
few beyond it. Water rough outside
Kelp today.

August 2. Landed this morning
& had a talk with Capt. Webster
who has had more experience of
sailing & the Seal islands than anyone.
'Corwin' came in, anchored &
went off after staying a short time.
Returning on board 'Demole' with
Dr Merriam, followed some of
island to eastward & round to
Garden Cove. Then struck out eastward
& further of northern of two kelp
patches doubtfully shown on chart,
Could not find the bank with such
search as we made, which was
votory. Towed off for St Paul's
& anchored at Fort Anson
at 8.45. Strong southerly wind all
night & continuing this am, but
gradually dying away & light airs
with rather heavy swell from the
southward or southwestward all P.M.
occasional glimpses of sea today.

Seals
seen.

Seals observed in much greater
numbers today than on previous
runs between St George & St Pauls,
(See sec log.) Reason for this conjectured.

Reasons
of dis'turb.
at sea?

Stated that after rough weather seals found
going to sea in large numbers. Yesterday's
blow might thus account for the numbers.
Possible also that seals got off in
windy weather mostly on lee side of
island which would be portion of most
of those seen today. Equally possible
that seals swimming at large may collect
in lea & possible that scent of rollers
blowing out may partly account for
this. All this is subject of hypothesis
So far.

Aug. 3. Arrive at 8 A.M. 6 witnesses
killing of which we had been notified
before. Took some photos. Examined
stomachs of seals killed. Saw
skinning & counting of skins into
kenderes. 118 in all killed out of
drive of about 1000 or 2000 as
variously estimated. Had a talk
with 6 of the older natives in the

Exhausted
seals. Aug. 4. A number of the seals
 driven yesterday, perhaps one or
 two hundred, when turned loose
 went only as far as the edge of
 the grassy bank above Zelter's
 Sands & are still lying there this
 evening, not having returned to
 the water. Appear to be tired out,
 or at least cannot otherwise
 explain their conduct.

Govt. House. Also again with
Major Williams & Col. Murray. Back
on board ship. Call from Capt. Hadley
& arranged intimate plans. At
work writing up notes.

*drive
& killing* The seeds for killing were driven from
Zoltoi Sands to killing grounds,
a short distance on very grassy
ground & consequently did not show
the same evident signs of exhaustion
as noted on St George - where brown,
also, the distance was very small
compared to many of the usual drives.
Large proportion of drive consisted of
yearlings & some old bulls were
included same as at St George.

Stomachs of 98 stomachs examined

- 65 Contained nothing or in some
cases a very small quantity of sand.
A few notably slimy or with
gelatinous matter & froth.
6. Contained nothing but a little yellow
bile.
4. Contained more or less discoloured
brownish blood in one or two
cases clotted & probably from internal

[Faint, illegible handwriting covering the page]

sterile.

17. Contained stones, in a few
cases but a single pebble.

The urinary sex as follows. —

- 1. Beak of squid
- 1. Stones, ear-bone of fish & pieces of
broken (dead) shell.
- 1. Beaks of squid (2)
- 1. Small pebbles & broken (dead) shell
1 beak of squid.
- 1. Very small piece of kelp.
- 1. Beaks of squid (2 or 3.)

weight of
3 year old.

A large fat 3 year old selected
for the purpose by Williams was
cut up by nature who removed all
flesh ordinarily employed for food
& weighed it & other parts as follows. —

Total weight of seal carcass 85 lbs.

Skin 8 lbs.

Blubber 5 lbs.

Food. { Flesh 25 lbs.

{ Heart, liver, tongue & kidneys 5 lbs.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page]

August 4. With Sir Sarge & Mr Tingle
drive out in buckboard to Polarina
Rookery. Examined it & took some
photos. Returned (Village) 1 P.M.

In P.M. took Macoun out to Reef
Rookery & accompanying to get photos of
seals etc. Sir Sarge at Otter Island
in launch with Capt. Hadley of
'Pheasant'. Evening W.S. Commissioners
Tingle & Stanley Brown to dinner
on board. a very fine day.

Polarina Rookery. Halfway Point
at that distance from village to
N.S. Point. This is one of the
more extensive rookeries, though by no
means the largest. Seems to be
in pretty good state & well stocked
with seals. Tingle states it is in
about as good state as last year.
Drains are made to a killing
ground not far off & a salt house
in vicinity to receive the skins.
Ground occupied by seals rather
flat, with exception of cliffy edge
& a long low rocky flat reef
off southern part. Elliott's 'Parade'

[Faint, illegible handwriting covering the page]

Dead
Pups.

includes a wide flat of sandy
land behind the breeding ground
much of which may never have been
much employed as a 'Parade'.
Nothing at least I show that it was
so employed & Tingle says it was
never all occupied. About southern
part of Rostky see many dead pups,
several hundred at least in a
not very large area which we were
able to examine without disturbing
the seals. Do not appear to have been
dead more than 10 days or two
weeks at most.

Cf. Elliott, 'Supplement report' type written
Part I. p. 66 for probable explanation of dead
pups seen here.

No vegetation of plain behind Rostky attrib.
by Elliott to seals. Seems to be naturally
a sandy plain on which nothing would grow.
Still bare & loose sand far behind seal edge in
places. It might well blow about as he describes.
Op. cit. p. 67.

Pharina according to Elliott not driven from
from date of Lopovska 9 24 till 82 (p. 67)
village (Russian) then 2 of Mr. Pt. abandoned
over

a only present village. Kept up from date of Zepovka above. (p. 67.) according to this 82 would mark the serious decline in seal life which rendered driving from Polorina necessary to make up quota. Check date given by time of establishment of Selt town at Polorina.

was built 12 or 14 years ago according to Redpath. This would be in 79 or 77.

Aug. 5. Invited by Capt Jauvee,
Prof Wendell & Dr Werricun
to visit N.E. Point Rookery on the
'Albatross'. In on board 10 am.
& along south side St Paul to
Webster's Home. Saw & examined
the rookery etc, walking all round
the point & embarking again on the
albatross about 3 pm. Round
west end of island & back to
Anchorage at Village.

Fowler now in charge for Company
here, has been on island since
1879. Says that the number of
skins taken by Company from N.E.
point has varied from 18000 to
29000 in different years. In
1890 6500 skins taken & this
year could kill twice as many
the number of Kitt-ole seals being
much greater. The number of
fowles on this rookery he thinks
to be about the same this year as
last.

Saw very few dead pups on the
South East Pt rookeries, & Fowler

Greener
and
Kitt-oles.

few
dead
pups.

[Faint, illegible handwriting covering the page]

conforms this observation, a
Curio put on the rocks in this
particular rocky has been most
frequent & of death of peeps owing to
killing of rosters it should be
more apparent here.

Select
of rosters

Journal, notwithstanding an 'Albithors'
who was with us when we stand
at Rostky, was here before in 85.
His recollection is that seals then
covered the ground thickly up to the
outer edge of the short felled grass
& that they are now much decreased
in number. Thinks that in 85
much reduced as compared with
state in Russian regime but
has no particular recollection of seeing
this which appears to be a general
impression resulting from his
enquiries. (See website on this, in Elliott
^{English translation pp 78879}
Triple in one place on S. side of
A.R. pt. showed as a place where
he believed the rosters ground or
ground were bare by seals, extended
about 200 feet further inland than
it now does. Did not seem, however,

Select of
rosters

to think that the Rockery was ever at
all in a very bad condition.

Prof. Wendell & Dr. Wernicke
strongly disagree in putting out
edges of lower yellow grass as
evidence of very great recent absence
of rockeries. Also the polished stones.

Grass
edge.

Polished
stones.

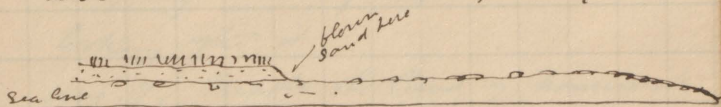
Respecting these polished stones &
boulders the following may be noted
here & on other rockeries. The stones
& boulders consist of chief of light
volcanic rock, where in the middle of
a rockery the surfaces of all according
to be very well polished, sufficiently
to shine in the Sun with bright
surfaces when viewed at proper
angle. Elsewhere, about edges of rockeries
& bounding grounds generally only edges
& angles polished - thus differing
from sand drift polish. Stones so
polished do not as a rule extend
far beyond the limits of the ground
now occupied. Thus about North
East point can scarcely & only
occasionally observe polished edges
as far out as the margin of the

[Faint, illegible handwriting on a grid background]

started a lighter grass, ^{growing} ^{near} ^{or} ^{rather} ^{lowly}
to believe that ground never thickly
occupied to that limit. Referring to
grass limit & admitting that it
may mark limit of ground formerly
occupied - It does not in itself
afford proof that the occupied ground
was at one time was coextensive
with it. Thus, looking east from
Hutchison Hill today, note that the
Hollischiekie here in these places
extended quite to limit of ~~that~~ that
grass, leaving the ground in three
'bays' to this limit & nearly to
same limit in a fourth 'bay'.
With some change in ground occupied
thus from year to year might well
keep general limit marked to old
line without increase above present
number. Another point about this
grass limit on north east point is
that it practically coincides for
much of its length with a physical
difference of the ground. Higher flats
characterized by long tufted grass
chiefly composed of loose sand, a

Elliott in type written report (p. 73 1/2)
 Says that N.E. rookeries better kept up
 than others on St Paul. This would
 agree with idea of destruction by over-
 driving, for this rookery has been less
 severely drawn upon & more severely
raided according to accounts, than
 any other.

few feet in thickness. This occupies
 much of interior of peninsula. At sides,
 has been removed for wide belts of
 stone, by sea or wind, exposing stony
 & bouldery ground surface with soil
 rather than sand predominating between
 boulders. This is the area characterized
 by stunted & yellowed ferns & much or
 all of it has at one time or another
 time to time been occupied by seals.



This is especially well seen on N. side
 of neck to west of Hutchins on Hill.
 (The 'bays' above spoken of should be
 shown on one of Kodak views.)

Note. Day before our arrival here Townsend
 had been shooting sea-lions for specimens
 on rookery!

Today a warm & sunny day & rookery
 probably not so well filled as it would
 have been in other weather.

(see opposite p.)

[Faint, illegible handwriting on a grid background]

Aug 6, Sent mail on board
'Albatross' & ready to start, but
delayed till 11 am. to see how
weather would turn, as rather strong
North Easterly wind & spitting rain. Wind
getting no worse, set off. Went outside
Walrus Island close to & then
stepped course for Kominak Island.
Day continued cold, rough & disagreeable.
Keeping seal log till dark or
looking after it.

Aug. 7. Made the land of Kominak
before 11 am. & shortly after saw
'Pheasant'. Communicated with
her & as landing at rendezvous
(Cape Etolin) would evidently be
difficult, crept in under South side of
island. Six seals & walrus off to
starboard. Danute took a turn to portward
looking for settlement worked on Chard,
but as I could not see anything, came
back & anchored beside 'Pheasant'. Found
a few Eskimo near anchorages.
No fur-seals seen today or anywhere
near Kominak Island.

[Faint, illegible handwriting covering the page]

Aug. 8. Round Koonivok Island
to westward & anchored at Cape
Etolin in anchorage noted on chart.
boat ashore for a time. Considerable
settlement of Eskimo here from which
21 Kayaks came off, but none of the
people could communicate in any way.
Pleasant anchored alongside in the
evening.
no fur-seals seen today.

Aug. 9. 'Pleasant' started this am
early for Neudizoms at St Matthew
Island. 'Danck' got away about 7 am.
in direction of Cape Vancouver, on
mainland side. Anchored on north
side of this bold cape, in rather shallow
water. Astore in boat & then dug
into bottom of bay to north of Cape,
where find some Eskimo & a mission
with three Jesuit Priests. 2 French &
one from Baltimore. Returned on
board. Got anchor up & left for
St Matthew about 2 P.M.

no fur-seals No fur-seals seen today & Missionaries
say none ever seen or obtained by the Eskimo
here.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Aug. 10. Steaming westward all night,
at 72.15 - made land of Port of right
E. end of St. Matthew Island. Took it
at first for Pinnacel Island. Landed
in boat & afterwards rounded round
cliffs & landed again on N. side
of island to west of cliffs. Found 3
men from U.S.S. 'Thetis'. Had been
landed early this am & looking for their
ship. Took them on board 'Dumelle'
& steamed round to anchorage in second
bay to west. Found 'Thetis' & 'Phosant'
Anchored here.

Saw no fur seals today, but
Dr Wilson of 'Thetis' (one of men we
picked up) reported that one fur seal
undoubtedly seen by them this morn.
at anchorage of 'Thetis' on South side
of Island, but not. [Captain & other
officers of 'Thetis' afterwards stated
that this probably a mistake. That no
fur seal seen]

Aug. 11. Started early with Capt. Hadley
& the crew of 'Phosant' on board
& steamed to Hell Island. Anchored

[Faint, illegible handwriting covering the page]

there & in boats along shore. Bear
& walrus hunt. Bear killed but no
walrus got, though some wounded.
Some of party went on round island
in one boat, getting another bear
before evening. I returned to Danube.
Landed opposite on shore, examined
rocks & took a couple of photos.
'Hetic' came in & anchored beside
'Danube' in Am. Exchanged visits
with Captain Reiter. Back in
evening told anchorage.

Aug. 13. Went on board 'Pleasant'
this morning by invitation of Captain
steamed round to Pinnacle S
& spent afternoon there in launch
& small boat, while 'Pleasant' lay off.
Another bear hunt, one old bear
& two cubs killed. Also fired
at a lot of sea lions, but without
getting any. Back in evening to
old anchorage & on board
'Danube' again. Saw & exchanged
signals with 'Nymph' on S. side
of island & in evening again saw

Faint, illegible handwriting covering the page, likely bleed-through from the reverse side.

her steaming northward.

August 13, Got away 7 am. &
steaming northward all day
toward St Lawrence Island. Weather
very fine & nearly calm.

Aug. 14. Got under the land of
St Lawrence Island early this morning,
as it afterwards proved, near S.W.
Cape. Dense fog. At anchor most of
day. Clearing toward evening, got off
& proceeded slowly toward our
rendevous with 'Pheasant' at
Cape Chibukak.

Aug. 15. Got in & anchorage to
East of Cape Chibukak at about
5-am & found 'Pheasant' already
there. Spent an hour ashore & then
followed 'Pheasant' across to Plover
Bay on Siberian Coast. Anchored in
Port Providence 6 Pm. Spent time
till after dark going in boat to
Emma Harbor & back.

[Faint, illegible handwriting]

[Faint, illegible handwriting]

[Faint, illegible handwriting]

[Faint, illegible handwriting]

Aug. 16. 'Pheasant' left early this
am. for Anclarka. went ashore for
a couple of hours & then got off in
steamer toward Pribilof Islands,
intending to go S.S.W. to nearly the
100 fathom line, follow that line for
some distance & eventually run in
directly to St Paul.

Aug. 17. Steaming southward all
day on course well to westward of
St Matthew.

Aug. 18. Continuing on southerly course.
Very rough this am. & got a terrible
rolling about for some hours. Run
smoothly, but dark & dirty. Did
not make the land before dark &
so began heaving to & for &
waiting for daylight.

Aug. 19. Looking for St Paul all
morning in dense fog. Sight the
land at length & came to anchor
at village about 7 am. For Tolstoi
Roeking with Col. Murray & Col.

[Faint, illegible handwriting covering the page]

Barnes. Back to village & out
along Reef Rockery for an hour or
more. Back on board, when Col.
Murray & Barnes dined with us.
Got some photos. of Tolstoi Rockery
etc.

Change
in rookery

Rookeries have altered very considerably
since last visit, have scattered out
& changed distribution a good deal.
Most of old bulls have left their
stands, though a few still remain.
Some young bulls now on rookery
ground. Pups swimming quite
strongly everywhere off edges of
rookery ground the water black
with them. Have apparently increased
to about double weight they had when
last seen. Many females on rookery
ground, but evidently also many
away as much fewer in number
than the pups.

dead
pups

at Tolstoi see a great number of
dead pups not much less in size
than the living ones & therefore not
very long dead, though decomposing.
These are distinct from the dead

[Faint, illegible handwriting covering the page]

pups particularly noticed on this
rookery on previous visit & very
much more numerous. Where dead
pups previously particularly noted
are still to be seen, but more or less
obliterated & sandaled over by the turning
back of other animals. A great
additional mortality has since
occurred. Must be ^{several} ~~many~~ thousand
at least on this rookery in all.

Murray & Fowler who accompanied
us accounted for by supposing that
workers had been killed at sea. This
is not satisfactory, however, as both admit
that mortality at this particular
rookery greater than anywhere else.
Fowler says he never saw so
many dead pups in all his
experience. Fowler advanced a
theory that juveniles from this particular
rookery had frequented some
particular bank or feeding ground
where many had been killed, but
this rather too fine spun a hypothesis
for there is no particle of evidence
to show that each rookery has its own

[Faint, illegible handwriting covering the page]

feeding ground, nor any probability
of such being the cause. Might suppose
that raids had been made ashore or
close inshore on this rookery in
particular, but number of dead pups
almost too great to account for
in this way. It seems possible
that the pups here are affected by
some disease which either confined
to this rookery or most virulent here.
This, however, is so far but an
hypothesis also.

On Reef Rookery some dead pups
of about same age also seen, but
not probably more than $1/8$ certainly
not more than $1/4$ those seen on
Zolstoi. Otherwise the present condition
of both rookeries much the same.

Hellacales Large number of Killables or
Packets of Hollischickie at further
end of Zolstoi Sands, where seen
before, but also today scattered far
back on the hill on the bouldery
ground in considerable numbers.
Most of them we were informed, have
hauled out here within the past few

days. Whole number on 2 about
3000 sands probably 3000 of which
Murray estimates about 1/2 are
Killalee seals.

*on
Reef
Parade*
Further out along Reef the Hollusehickie
scattered in large bands all over
the parade & with small exceptions
either occupying or having left signs
of recent occupation over all ground
by which any evidence that during
period occupied.

*See its
provenance.*
This scattering out & moving about
of large bands of Hollusehickie
throws much light on the validity
of evidence derived from limits
of old occupation observed earlier
in the season & goes to show that
by no means fair to assume that
all this old ground at any time
compactly filled.

*Character
of reef
rocks.*
Much of Parade of Reef Rocks seems
to consist of volcanic stria bed
lying compact & much in its original
state, giving fine hard gravelly
surfaces, decidedly different from
that of most other rocks.

[Faint, illegible handwriting covering the page]

Grass
growth.

The short pale green growth of grass
marking in some places very distinctly
the limits of former occupation (as
hunting ground etc) of Nookomis, seems
very permanent feature & to take a
long time to replace by Leevia &
Naukas growth elsewhere usual. Thus
the whole little hunting ground of
Nah Speed though completely abandoned
about nine years ago (compare)
still quite distinct (said by men
in evidence to have been 3 families here
in 87) Also see a similar patch
quite distinct still on slope of little
hill behind cliff near Port Sardinia.
According to account by seals have
occupied this ground for many years
(see evidence of Elliott as to date.)
Not of course perfectly definite as a
sign of occupation in itself for similar
growth might be produced by other
circumstances. Thus looking at E.
slope of hill above Hill from Zeltor sands
much similar appearance & colour
of grass (though not definitely bounded)
yet no knowledge of any occupation here.

[Faint, illegible handwriting covering the page]

Aug. 20. Got away about 7 am
for Unalaska. Rough & blustery &
heavy irregular sea all day.
Had intended going 50 or 60 miles
inward, & advice, for seal skins.
but weather so unfavorable that
stopped course nearly direct for
Unalaska, making such stops
as possible on the way.

Aug 21. Got into Unalaska (Unalutka)
harbour about 11.30 am. Found
Lynch, Poirer, Pterant, &
us. vessels Womgan, Marion,
Itetis & alert in harbour.
Corwin came in after dark.
Cells from Opus, looking over
wall. Arrive, interviews with
various people etc.

Aug 22. At Unalaska all day.
Stormy & wet.

Aug 23. At Unalaska. Alongside
wharf mostly day taking in water.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Aug 24. Got away at 10 am.
for the west, intending to call at
one or more places along the
Aleutian chain & to meet Capt.
Burr on 'Porpoise' at Adorn
about Friday.

Aug. 25. Steaming outward to north
of Aleutian chain for Atka Island.

Find we cannot make the islands
before dark so slow down at about
7.30. Fur-seals seen in two places

*Seals
seen* today, the first - two together - at
about 10 miles N.W. of E. point of
Anliä Island. (See Malcolm's Log.)

Considerable quantity of floating kelp
in places, particularly where we find
that currents meeting or edges of
currents have operated in collecting
kelp in patches. Seals seen near
kelp. The observation of seals at
this season along these islands
appears to be of interest.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Aug. 26. Morning fairly clear.
Got in to Nazan Bay, Atka
Island & anchored opposite
settlement. Ashore & interviewed
Mr Dirke, in charge for A.C. Co
& the Aleut Chief. As nothing
was appeared to be done, got
away before noon. Remainder of
day steaming westward, bound
for Alton. Fair weather, but
head wind & sea. No Seals seen.

Aug. 27. Steaming westward
most of time in fog. See only
Semisepokhwi Island. No
Seals seen today

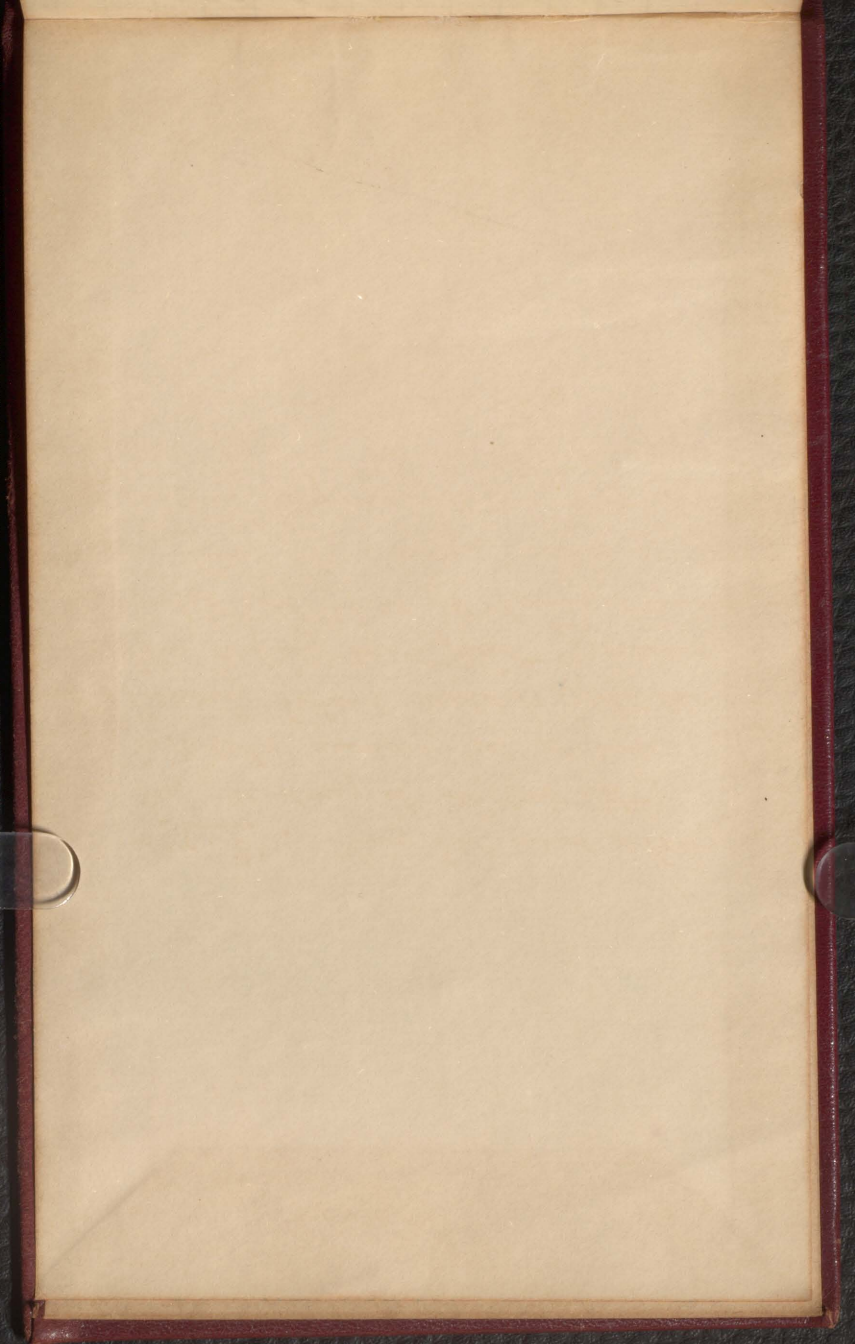
Aug. 28. On westward. Could not
make Chichyoff Is., Alton Is.
before dark, so stood off slow to
backward.

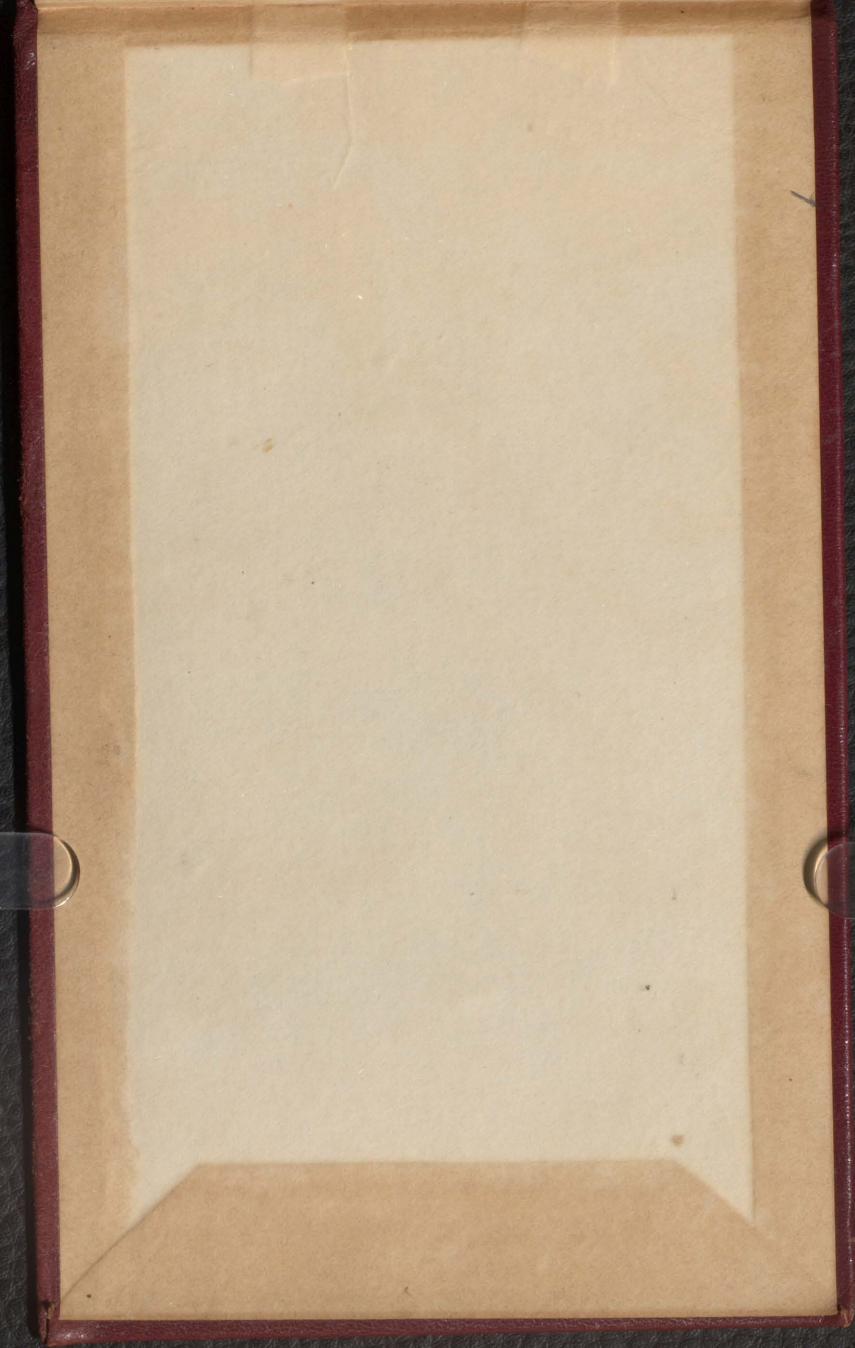
Aug. 29. Got into Lerburn & am
questioning natives on fur-seals etc.
Ashore looking about. Got tower

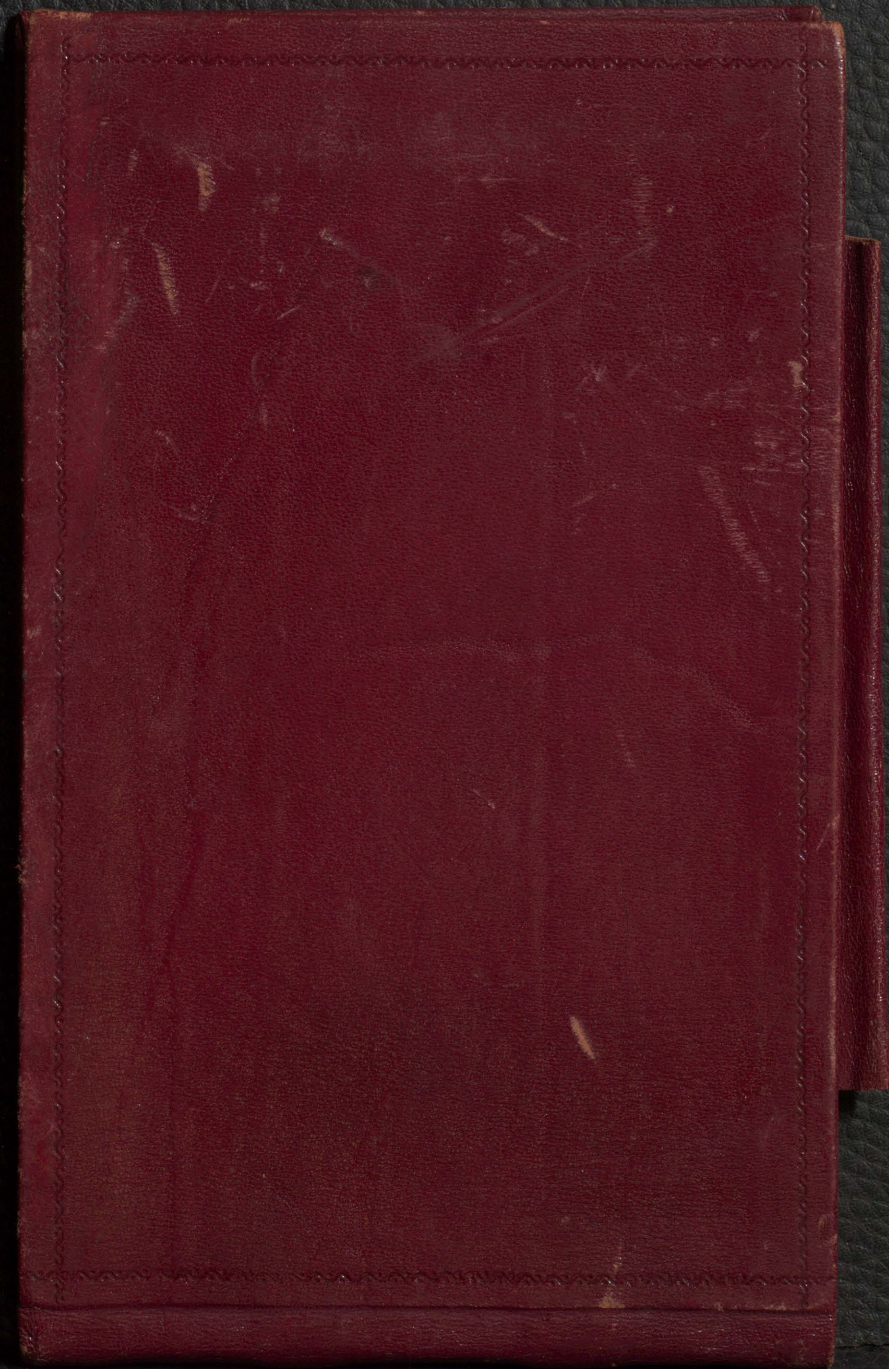
photos. 'Porpoise' came in this
 forenoon. David with Capt.
 Burr on board this evening.

Aug. 30. Steaming westward
 all day, toward the Behring Island.

Aug. 31. Strong S.W. wind & heavy
 sea, rendering it evident that
 Nikolai's anchorage on W. side
 Behring Island would be untenable.
 After making south point of island,
 coasted east shore & came to anchor
 in P.M. at Stareya Anchorage,
 finding 'Porpoise' there. About five
 or six in the evening.
 A few huts or Barabaras, but
 no signs of inhabitants.

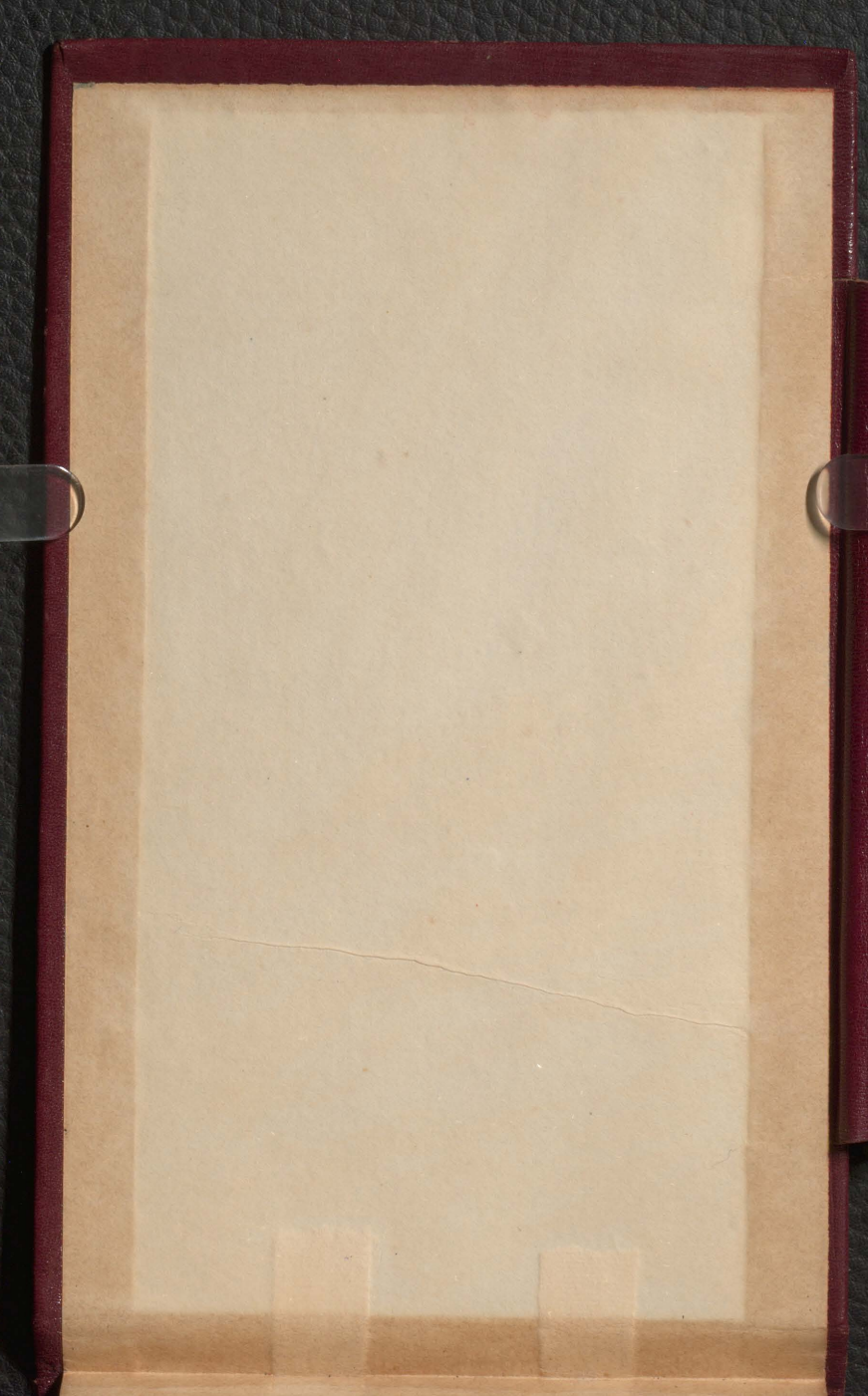


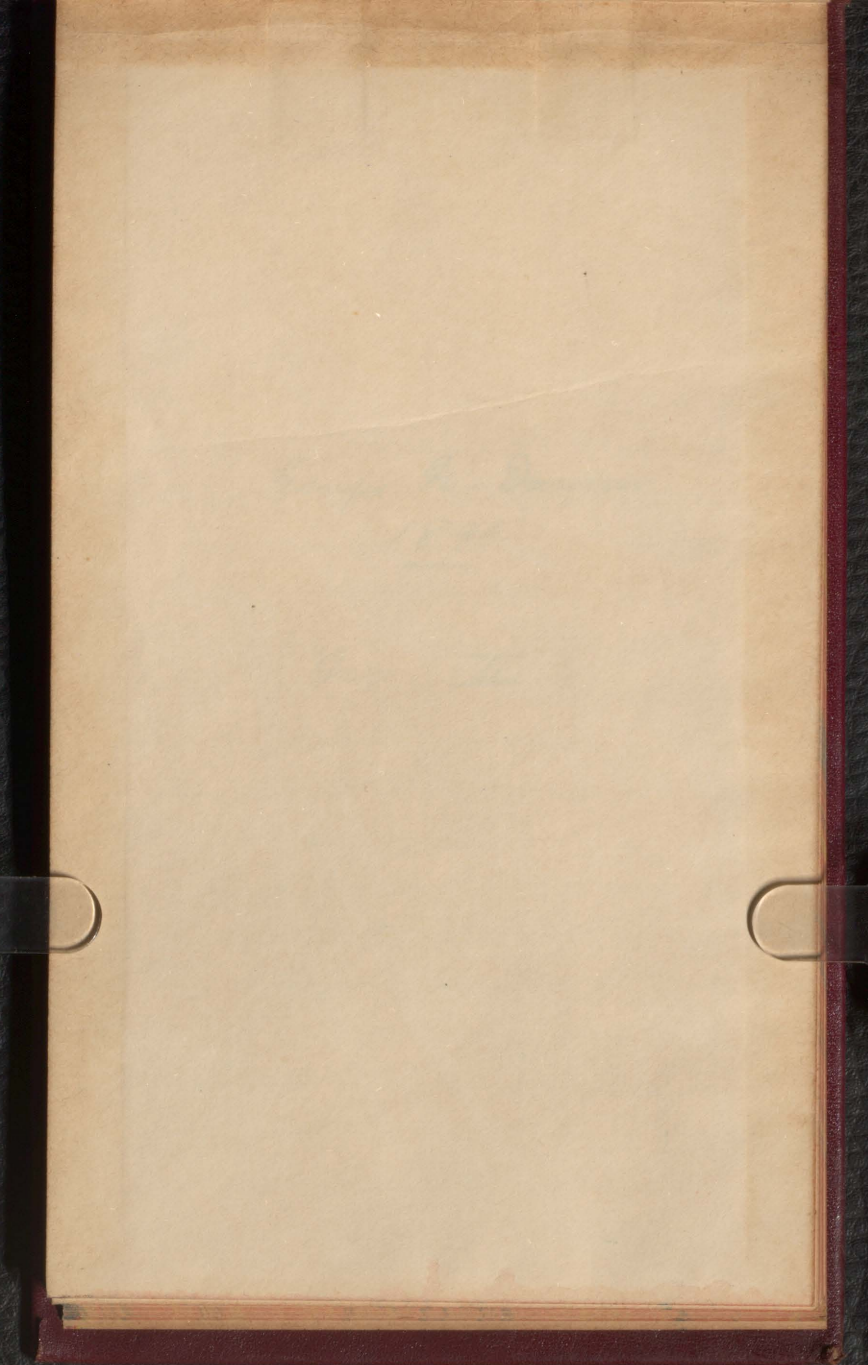




No. 11







George M. Dawson

1891

No. II.

Sept. 1. 1891. Left Stareya Anchorage on East Side Behring Island at 5 Am. & in company with Porpoise. Porpoise steamed round north end of island & got slowly in to Nikolaki Anchorage on West Coast in dense fog. Found Fur Company's steamer at anchor (Alexander II.) Called on by the Administrative Commander Islands Nicolai Erebnitzky, by Agents Purman Fur Seal Co & Hutchinson Kohl & Co, also Captain of Alexander II. Ashore, & had long talk with these people, getting much valuable information, particularly from Mr Erebnitzky.

Sept. 2. Ashore this morning & finding still a good deal of information to be obtained, decided to spend another day here, particularly as weather is still very thick. Occupied in getting what we could in the way of evidence etc. Steamed off for Copper Island in company with Porpoise at 5. Pm.

The first part of the paper is devoted to a
 description of the general character of the
 country, and to a notice of the principal
 rivers, and of the principal cities. The
 second part is a description of the
 climate, and of the principal productions
 of the country. The third part is a
 description of the principal cities, and
 of the principal manufactures. The
 fourth part is a description of the
 principal rivers, and of the principal
 cities. The fifth part is a description
 of the principal cities, and of the
 principal manufactures. The sixth part
 is a description of the principal rivers,
 and of the principal cities. The seventh
 part is a description of the principal
 cities, and of the principal manufactures.

Sept. 3. Made S.W. end of Copper
Island about daylight & anchored
at Elyuka, the southern anchorage
in the fore noon. Found two Eskimoes
& Mrs Kluge, the Russian Govt.
Agent & agent of fur Company on shore.
Commander in charge did not see his
way to allow us to visit the
rookery on opposite side of island.
Nothing to be done but to return 17
miles to northern anchorage named
Preobajenski. Got there about 3
P.M. Found the gentlemen of whom
we were in search & had an
interview with them, obtaining some
useful information. Arranged that they
would go with us early tomorrow
morning to see one of rookeries. The
steam boat in "Dante" will walk
across the island.

The first thing I noticed
 when I stepped out of the
 car was a warm breeze
 that felt like a hand
 reaching out to greet me.
 The sun was shining
 brightly, and the birds
 were singing in the trees.
 It was a beautiful scene,
 and I felt like I had
 found a new home.
 I had heard so much
 about this place, and
 now I was here. I
 was finally home.

Sept. 4. Got up in 'Danube' about
5 am., with Mr Zillmann
Mr Kluge, Capt. Burr & two
of his officers. Reached the
Southern anchorage or Glyntka about
8 am. Landed & crossed the island
& inspected the workings on the
opposite side. On return, re-embarked,
a boat to northern anchorage. Landed
Messrs Zillmann & Kluge &
put to sea in company with 'Porpoise'
with plan to steam slowly to reach
North Forking tomorrow morning
& inspect it.

Redden
Copper S.

The breeding workings & hauling
grounds are scattered along 15 or
16 miles of the South-west Coast of
Copper Island. They may be
divided into two lots one tributary
to Karabelny village, the other to
Glyntka, to which Fleets the seals are
driven overland to be killed. The
dewis are long & very hard, beginning
in steep ravines leading up from
the shore & crossing one or more
ridges, grassy & partly stony of some

[Faint, illegible handwriting covering the page]

hundreds feet in height. The ascent
from the beach has been in a few
places slightly improved artifically to
render it possible to drive the seals up.
At one place a sort of wooden stairway
has been made for a height of probably
100 feet. (shown in photo. taken by
Zillmann.) From the point reached
by us a good general view was
obtained of most of the coast line from
Karabulung rocks (see tracing of chart)
to Poldta point, & from this a
description obtained, it is evident
that the seal rookeries which are
recognized by name are not usually
well defined, but more or less
connected by breeding seals straggling
along the narrow & less favorable
parts of the shore. Separate accounts
are, however, kept of the seals killed
from each rookery, the distinction
being made according to the rookery
up which the particular drives are
brought. The whole shore is bordered by
sea-cliffs of varying height & generally
rough & wild looking, but intersected

[Faint, illegible handwriting on lined paper]

by corals & more moderate slopes.
Below the cliffs & high banks flat
rocky ~~low~~ reefs run out irregularly,
with occasional gravelly beaches
in little bays & numerous projecting
rocks & rocks awash, with abundance
of kelp, far off shore. In some
places it is only possible to collect
drives of seals at low tide, as
at high water it is not possible to
get between them & the sea. The
Killeale seals though were a line
separate from the breeding seals, —
particularly early in the season
before regularity of formation is
broken up — are owing to the nature
of the ground but rarely drawn
without sweeping up old bulls &
breeding females, on these rookeries.
At Peleto, one of the best worked &
largest rookeries the seals have a
steep slope completely bare of vegetation
for a height of say 200 feet above the
sea (& behind the rocky beach)
This runs back perhaps 150 or 200
yards from the beach & is the

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

greatest width of ground occupied.
It is preeminently a breeding rookery,
not frequented by Kittiwakes.

✓ Informed, however, that in lack of
good ground for occupation of seals
were when most abundant. Plenty of
places where conditions appear to be
equally favorable, but seals gradually
occupy approximately the same ground
year after year.

The drives on this island are
steep & must be harder on seals
than any of those on Pribilof Islands.
The highest land crossed between
S.W. Coast & Glynda is about 800
feet & in driving from the northern
rookeries to same place was down
one ridge crossed.

Very hard to estimate number of seals,
but along stretch of coast overlooked
(see above) should suffice at least twice
as many in all as on whole of
Reef Rookeries of St Paul Island.

[Faint, illegible handwriting on a grid background]

Sept. 5. Arrived opposite Salt House
at North Rookeny of Behring Island.
Landed about 9 am. & remained
ashore till nearly noon. Got off, with
'Porpoise' at about noon, going westward.
'Porpoise' to walk direct line to Cape
Ishipsunski while we take a somewhat
more northern line, afterwards turning
southward & meeting 'Porpoise' at the
Cape tomorrow evening.

North Rookeny is the largest on
Behring Island. It is situated at
Yushin Point on the western part of
the north coast of the island, &
occupies a flat stretch of rocky
reef which runs off seaward here.
The reef flat is partly covered at
high water, but much of it is above
high water mark. Nearly all must
be covered by surf in heavy
gales. To the eastward, along the
coast, the shore consists of thin sand,
but narrower low rocky reefs.
The rocky reef is connected with the
shore on the westward by a wide
dry bar or beach of sand. It is

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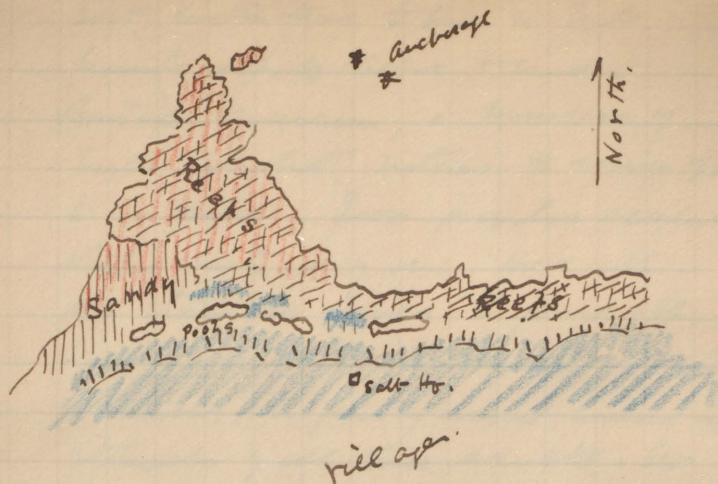
Length triangular in form, about
half a mile in length & $\frac{1}{4}$ mile wide
at base on landward side, where it is
overlooked by low grass & weed covered
rocky banks 20 to 40 feet in height.
Between these & the reef proper are some
small irregular grassy flats & salt
water pools. The area of the rocky
proper may be about $\frac{1}{4}$ square
mile or say 6,000,000 square feet.

Deducting usually water-washed &
partly submerged parts the rocky
ground proper might be estimated at about
half this. It is fairly well occupied
by seals, at a guess would place the
number at from 150,000 to 200,000
though possibly 250,000.

The killable seals usually found out
in fods along the shore to the westward
of the Rocky Proper.

One sea-lion observed on outer point,
possibly (?) the same single animal
noted by ~~Smith~~ Harsdenki's old
years ago.

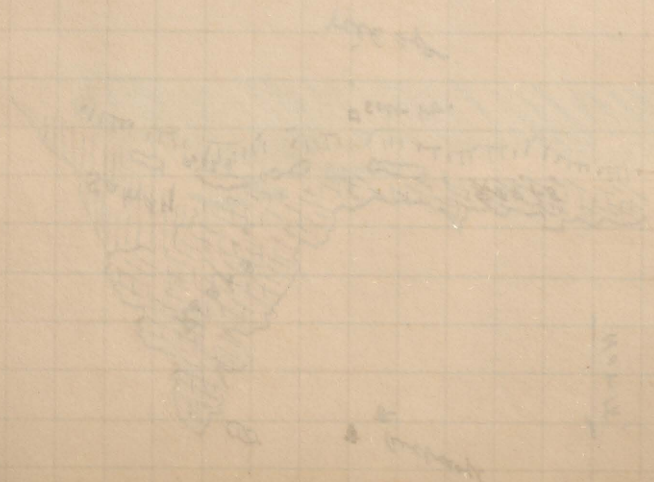
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Sketch of general outline of
North Rock, Behning Island.
5. Sept. 1891.

||||| Ground more or less
completely occupied by scols.
/// Grass.

1881
 2. 21. 1881
 1881
 1881



Sept. 5. Cont. the Erebrity having sent instructions to have a male, female & pup killed to send to British Museum, a number of seals selected of various ages & sexes to be killed. Two females accidentally killed instead of one. Had all four stomachs fixed & found all empty. A little bile in one of female's stomachs. A pair of unweaned worms in stomachs of all three adults. No trace of milk in stomach of pup. All the seals were found well coated with fat, not only the pup, but also the females, which had presumably been suckling long, & the old bull, which had according to theory been stationary on the rookery now for many weeks.

stomachs

seals
fat.

Cod
caught

While we were ashore, some of them fishing on the 'Danth's' wreck in half a mile or less from the rookery, in 6 to 7 fathoms of water caught over 20 cod, & some other fish. This is the best place for such fishing that

[Faint, illegible handwriting covering the page]

We have yet found a few
fresh tracks of them that we
fish are to be found in the vicinity
of rookeries, not to mention Ellidts'
exaggerated statement that we fish
to be found within 100 miles of
Pribilof Islands!

Sept. 6. Sighted the Kamtschatka
Coast early this morning, & coasted
along it southward at a considerable
distance. Rounded Cape Ishipuntki
& found 'Porpoise' anchored behind
it, a Captain ashore. Anchored
inside 'Porpoise'. Some of party
went ashore. Stayed on board to
write etc. A magnificent day.

Sept. 7. Got under way at 4 am.
& reached Avacha Bay about
breakfast time. Entered & waited a short
time for 'Porpoise' off Petropaulovki
Harbour, to allow her to go in first.
Most of day occupied in ceremonial
visits & waiting about for such.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Had a talk with Mr Lindquist
of Fur Company & with the
Governor or Popravnik Mr
Komicoff; also with Captain of
Russian Wainy-was Aleut, now
here, & others. Obtained some
little information bearing on seal matters.
Dramatic Substantiated on the Popovic's tale.

Sept. 8. Arose this morning & again
in the afternoon. Received visit
from the Governor on board. Took
some Photographs etc.

Sept. 9. Had intended leaving this
morning on return Seaboard, this
being our present port. Found,
however, that engine would not be
ready till 5 P.M. Got away finally
about 6 P.M., intending to clear first
for Comandor Islands & sighting them
if possible to keep on straight to
the Pribilof Islands.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Sept. 10. Steaming Eastward all day. Very fine & nearly calm. A number of seals bled today, sleeping on water. At noon Lat. $53^{\circ} 11'$ Long. $163^{\circ} 7'$.

Seals
seen.
Cause?
disturb.
at sea

Seal by observations stopped by darkness about 7 P.M., but before that time seals became very scarce. Seems that we have run through an area of an isolated kind of say 20 miles diameter characterized by seals, all or nearly all asleep on the calm surface. Generally became alarmed & died when steamer say 200 yards off - doubtless from noise of screw. These seals too much scattered to be called a school being much too far apart as a rule to have any knowledge one of the next. They are therefore not here in gregarious association but because impelled by similar conditions. There might be conditions of wind or weather & these seals may conceivably be from the

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Commander Island Cookeris.
They are, however, too far off to be
considered as being out on feeding
expedition or bound to return. Cannot
be these few seals with pups
astore. Probably seals which have
gone out to land, barren females,
hollisfocks or yearlings. If the
latter would fully explain the notable
absence of yearlings this season
explained by some of witnesses
(see evidence) The conditions bringing
the seals out here may be abundance
of food - see one small school of
fish rippling the surface this pm.
If again these seals have been in
a line left the islands the prevailing
winds or surface currents may have
carried them in approximate association
here together without any special
volition on their part.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

Sept. 11 Steaming outward, headed for
St. Paul Island. Heavy N.W. sea
& fair wind all P.M. & evening.

At noon. Lat. $53^{\circ}50'$ Long. $169^{\circ}3'$

Sept. 12. Continuing outward. Heavy
sea & steamer very lively all day.

At noon Lat. $54^{\circ}32'$ Long. $175^{\circ}22'$
E

Sept. 13. On toward St Paul Island.

At noon. Lat. $54^{\circ}51'$ Long. $178^{\circ}37'$
W.

Sept. 14. On outward. Lat. at
noon $56^{\circ}20'$. Long. $172^{\circ}42'$
W. Arrived at 11.50 off St Paul bill of.

Pups. Several seals seen today & among them
two pups of this year, apparently
quite alone & perfectly at home here.
About 40 & 70 miles respectively
off the islands.

(Sept. 15. Reapoth suggests that
these may have been yearlings.
Says that this year's pups are now
about equal in size to that of
yearlings)

The first thing I noticed
 when I stepped out of the
 car was the smell of
 the morning breeze in the
 air. It was a pleasant
 surprise, especially after
 the long drive. The sun
 was just starting to rise,
 and the light was perfect.
 I took a deep breath and
 felt a sense of peace.
 The world was so beautiful
 and so full of life. I
 was in luck. The weather
 was just what I needed.
 It was a perfect day to
 be out there. I was
 so happy to be here.

The second thing I noticed
 was the sound of the
 birds. They were singing
 and chirping all around
 me. It was a beautiful
 melody that filled my
 ears. I was in luck.
 The birds were just what
 I needed. They were
 so happy to be here.

The third thing I noticed
 was the sight of the
 trees. They were tall and
 green, and they were
 swaying in the breeze.
 It was a beautiful sight
 that made me feel like
 I was in a paradise.
 I was in luck. The trees
 were just what I needed.
 They were so beautiful
 and so full of life.

The fourth thing I noticed
 was the taste of the
 food. It was delicious
 and it was exactly what
 I needed. I was in luck.
 The food was just what
 I needed. It was so
 good and so full of life.
 I was so happy to be
 here.

The fifth thing I noticed
 was the feeling of the
 sun. It was warm and
 it was exactly what I
 needed. I was in luck.
 The sun was just what
 I needed. It was so
 good and so full of life.
 I was so happy to be
 here.

Sept. 15: Action about 8 am., after
waving wind to the East side of Reef
Point, which is now sheltered. See
Messrs Redpath, Baldern, Fowler
& Col Barnes. Out along the Reef
examining rookeries of Comps, &
taking a number of Kodak shots.
Left at 7 Pm for North End Point,
landing there, on South side of point,
about 2:40 & spending whole Pm
late to 8 Pm inspecting rookeries all
round the point & taking a few
photos. From Hutchison or Hill.
Back on board. Remain at
anchor, intending to leave at 6 am.

Reef of
n. e. Pt. rookeries.

General changes observed on rookeries
much what previously published
observations would lead to expect.
Organization of rookeries now broken
up. Comparatively few old bulls
to be seen, most being gone to sea.
Notice a number swimming at
some distance from shore. Others
resting here & there singly or in
groups on sandy beaches. Still

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others sleeping on the rocks, or
hauling grounds. Hollischickles much
as before, though perhaps somewhat
more scattered, still keeping in groups
together in vicinity of old hauling
grounds as a rule. Pups have
increased much in size, & though
most are still black, others are
already becoming quite grey, from
growth of hair of that colour. Note,
however, much diversity in size
& appearance of pups. Seals were
passing through 'stagnant' period & much
hair, with small tufts of underfur
divided, & the pond blown about
the rocks & vicinity or puddled
into the muddy surface. State
of ice does not however, appear to
prevent animals from taking to
the water quite freely & do not
show any diminution in the
great numbers now as before
feeding the sea walrus immediately
opposite the rocks. Pups were
apparently as voracious as the
old seals. The pups scattered

[Faint, illegible handwriting covering the page]

fur along the beaches in pods or
two or three together, though by
far the greater number shall be
found on or near the old working
grounds in company with the workers.

Eating
Kelp

Saw several pups near East
Landing on reef playing with or
eating strips of kelp. Redpath
says the seals eat kelp as part of
food, but as seen today no very
effective effort at actually eating it.

Reef Rockeries. Altogether, a very
great number of seals here at
present. Perhaps not more than on
former visit, but now scattered in
such a way as to look very numerous.
Large dens lying about or
travelling over all parts of Parade
ground except the ferry flats to
S.W. of Fort Hill, which for some
reason are not occupied & show
little signs of having been much
occupied either this or former years.
The 'parade' is much fuller & the
actual breeding rockeries are much

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

less continuously occupied than
on former visits. At South end of
Loltoi sands a small number of
holluschickie & a few old bulls
howled out. Not so many today as
on former visits. Rather heavy sea
breaking in the bay. Some holluschickie
& a few old bulls stream along
slopes behind Gull Hill.

See Ketavie, Lukannon &
Polaria rookeris from the
sea, in passing. Had a good
view particularly of the last named,
which in general appearance did
not differ much from that found
when visited before, except that the
seals here as elsewhere howled further
back from shore irregularly in
considerable drives. Beaches &
rocks and beaches still, however,
well occupied.

North East Rookeries. Land at
Sitt Home, on S. shore, & walk
across neck of land through

I have been thinking of you
 very much lately and wondering
 how you are getting on. I hope
 you are well and happy. I
 have been very busy lately
 but I will try to write to you
 more often. I have been
 thinking of you very much
 lately and wondering how you
 are getting on. I hope you
 are well and happy. I have
 been very busy lately but I
 will try to write to you more
 often. I have been thinking
 of you very much lately and
 wondering how you are getting
 on. I hope you are well and
 happy. I have been very busy
 lately but I will try to write
 to you more often. I have
 been thinking of you very
 much lately and wondering
 how you are getting on. I
 hope you are well and happy.

hollow between Cross Hill &
Sand hills to partly it. This hollow
is largely a sandy flat, quite low
& looks as though the sea water
passed into or through it in very
severe storms. Observed a large lot
of *Hollusebickie* - probably about 5000 -
with a few old bulls among them
hauled far up on the northern slope of
Cross Hill, where some seen before.
At former visit a few old bulls
& scattered smaller seals - presumably
Hollusebickie - were distributed along
the beach for a couple of miles west
of Cross Hill. There are probably
also there (though not examined) as
a few old bulls scattered along
beach on S. side for W. of Salt House.

Walked along shore just inside
rookery wayins & then to summit
of Hutchinson's Hill. Heavy surf
along beach N.E. from Cross Hill full
of seals, old & pups, playing.

Except the sandy beach near to &
west of Sea Lion Neck, which
a constant resort of *Hollusebickie*,

[Faint, illegible handwriting on lined paper]

The remainder of the coast, all the way round the promontory, is practically a breeding rookery, though this is scattered in places. Visitors who accompanied us say that only crows & ~~peeps~~ ^{peeps now} besides a few old bulls which still remain. Population of old bulls remaining on Reef rookery appears to be larger than here.

Changes observed in these rookeries similar to those already noted. Crows & peeps were grouped in large & rather compact flocks at greater or less distance from shore, or scattered along the immediate edge of the sea.

No apparent diminution in aggregate number on shore, though this of course is just hard to estimate.

*Erros
Quint.*

In west of Hutcheson Hill a large area distinctly shows obvious traces of having recently been occupied by seals for some days at least - quite out to edge of short yellowish grass, & stone cover - that persist from the hill - the seals have overrun a considerable area - about 50,000

[Faint, illegible handwriting on a grid background]

Square feet — of the high tussocky
grass which shows no trace of having
been occupied thus in recent years.
The ground occupied by seals has the
grass flattened down, partly worn
bare & pressed into the mud. The
stronger low grass has not suffered to
same extent as the short grass, & next
year if not again occupied, would
probably show no permanent trace.
The whole of the hauling ground here
described vacant today.

To East of Hutchinson's Hill, the
'bays' of seals formerly noted as being
hauled at to edge of old hauling
area — is indicated by short grass —
however partly disappeared. Still, however,
some beds of seals graze out to
old line. One particularly notable
just East of hill where a herd of
perhaps 2000 seals or more (figures
according to notices) have established
& are moving about in the low
tussocky grass which shows no
trace of former seal occupation.
The short grass in some places where

[Faint, illegible handwriting covering the page]

heads of seals were observed on
former visit, but having been long occupied
& having since been worked by rain,
has lost all evidences of occupation
as viewed from the hill.

Brown's
works.

hole various Cairns & stones &
works put up by Mr Stanley Brown
when surveying the rocks this year.
Some of these seemed to have been
placed as showing the edge of former
beaching grounds. Noted one particularly
which stood on a round high grass
tussock, one of several from which
the circumjacent sand has been blown
away. From this Cairn Cross on
Hutchinson Hill bears S87°W by
pocket compass. This stands on
one part of the edge of the inland side
of a wide tract characterized by
half-buried angular rocks &
low sand, with occasional tufts
of grass. The boundary of this area
is distinct enough but has had
& has no possible connection with
boundary of area ever occupied by
seals. Examined it carefully with

[Faint, illegible handwriting covering the page]

this idea in view. The rocks & stones
do not show the rounded edges or
polished edges of those on which the
seals have been accustomed to travel
& the intervening sand is not wetted &
consolidated like that which has
been occupied by seals since years
ago. The loose character of the sand is
in fact obviously the reason why
the growth of grass is not continuous
on it in the usual way.

Dead
Pups.

Dead pups. On former visits to
Jolitoi & in visit to Polaria
with Mr. Ingle struck by number of
dead pups characterizing certain
parts of these rookeries (see former
notes) Murray & others at first
inclined to deny that the pups had
lost their death this year, but
apparently fully convinced that this the
fact later. Seewea puzzled &
surprised & offered various conjectures
to account for it. Eventually reached
the idea that workers must have been
killed at sea. Attention of Mr. Brown

[Faint, illegible handwriting covering the page]

was doubtless then called to this
circumstance with result that he
(we are now informed) has undertaken
special investigation of it. We were
questioned the fact, when first observed
by us, that these pups were practically
confined to certain areas of certain
bookeries. Fowler when we visited
U.S. point before stated that he had
not seen dead pups. Remarked
at the time that as raids had been
not frequent here this would do
away with the idea that Killing
of workers could account for it.
Now informed that Mrs Brown is
convinced that proportion of dead
pups about the same on all the
bookeries! This of course would
enable death of pups to be satisfactorily
accounted for by Killing of workers at
sea. It has evidently been considered
important to render this explanation
admissible. Look above facts in view
carefully examine Reef Bookerys,
looking over them with glasses from
Parade Pinnacle, Reef Pinnacle &

[Faint, illegible handwriting on a grid background]

elsewhere. Also descend slope of
Garbotch when we had previously
been with Col. Murray with the special
object of comparing that place with what
we had previously seen with him
at Tolstoi. Remind that can see
very few - scarcely any - dead
pups all along the eastern side of
the Reef. At Garbotch note possibly
a hundred in all, but nothing to
compare with numbers previously noted
at Tolstoi.

Had similar investigation in view
in examining N. E. rocks. Made
out a few dead pups below & to
west of Hutchison Hill, but elsewhere
very few. Made a special examination
of ground to north of beach where
Polarctic occupy inside (& to
N. of) sea-lion beach, driving partly
off a large herd of cows & pups
which occupied it. Here & there a
dead pup all over this area, but
near beach & partly where waves actually
reach at high tide, were abundant.
Here probably 100 dead pups in an

[Faint, illegible handwriting on lined paper]

area of 20,000 square feet. This
the greatest number anywhere seen
today & again rotting & decomposing
& that previously seen in certain
parts of Jolitoi. The bodies seemed
for most part to have been there
seen for 10 days or longer & many
were broken up & mangled by
seeds falling to & fro over them &
had been considerably buried on
the ground.

Supposed that Dr. Aklin (now
medical officer at St. Pauls) had
examined some of dead pups &
internally him. Found that he had
opened 6 dead pups from
Jolitoi which he stated were rather
too much decomposed for correct
autopsy. Could find no evidence
of disease. Pups were very thin,
no fat seen in mesenteries.

Stomachs were empty except in
one or two cases a few pebbles.
Chief Nicolai is said to have
gone round the rookeries with
his Brown when he was on his

[Faint, illegible handwriting covering the page]

dead-pups search.
Of the various modes in which the
dead pups wet with on rookeries
may have been killed, the one reflecting
on the killing of seals at sea by schooners
is not at all chosen, but interesting to
observe, that almost without exception,
when the matter first spoken of, people
on islands suspected occurring by
falls or surf as causes. It appears
quite possible that some sickness might
be the cause. This is not the first year
of Pelagic sealing but the people profess
never to have seen any number of dead
pups before.

Sept. 16. Left anchorage at 6 am.
Steaming about E. S. E. all day till
dark, at 7 P.m., for purpose of rookery
seals. Changed course to direct
line for Uvolanka at 7 P.m. Day
generally fine with moderate westerly
wind. Spoke the whaling bark Lydia
this P.m.

Seals seen
After falling for some time into a region
where very few seals struck into a

[Faint, illegible handwriting covering the page]

• •

Considerable patch in which seals
rather abundant. This about 20
miles in diameter. The whales (?)
right in the middle.

Seals
& Kelp

Kelp seen several times in the seal area.
The frequent occurrence of seals &
kelp together appears to be more than
accidental. Very probably indicates
that the regions characterized by both
are determined by winds & currents.
When a considerable abundance of
floating kelp accumulated the same
influences account to the seals &
probably also the surface organisms
on which they may feed. Might
otherwise be very locally sporadic
on the sea-surface generally.

Difficulty
of Policing

It will be impossible to effectively
police any considerable area of this
Behring Sea as long as whaling &
other fishing allowed. A protest by
whaling opposes all the necessary changes
in sealing & the size & construction of
the whaling ships gives every opportunity
to effectively conceal the seal skins &
apparatus employed. What, for instance

[Faint, illegible handwriting covering the page]

to prevent the whales seen today
from running in to St George &
kidding workers tonight, by lighting
full woods? Tomorrow would be
lying off & on looking for whales!
Only the most careful policing of the
inlands & their immediate vicinity
can save the workers permanently.

Sept. 17. Mountains of Unalakka
in sight from daylight, but did not
anchor in harbour till between 4 &
5 P.M. Capt. James came on board in
evening. Barometer falling & south-
easterly gale seems to be setting in.
Saw & exchanged signals with the
U.S. vessel 'Wobessee' outside the
harbour.

Sept. 18. at Unalakka. 'Dawson'
coming from 'Costa Rica'. Calls
from Capt. Coulson & Mrs Stanley
Brown, also from Mr Jarvis
of the 'Bear'. Interviewed several
natives about seal catching round the

[Faint, illegible handwriting]

[Faint, illegible handwriting]

[Faint, illegible handwriting]

Alcutian Islands, wrote letters etc.
One to Hon. C. H. Tupper, detailing
proceedings. Day stormy & often
windy with low unsteady barometer.

Sept. 19. Writing & attending to
business matters & various calls on
board ~~the~~ morning. In P.M.
Called on Capt. Coulson of Rush
& Mr Newman. Ship's cooking
& afterwards hauled in at wharf
for water. Blowing a gale from
Southward all day.

Sept. 20. Left harbour at
Unalaska about 7 am. & shaped
course for Uminak Pass. Through
the pass & then course well to
Southward round Leonard Rock
by chart, after which changed to
North Easterly course, for Kodiak.
No seals seen today. Large school
of whales near Akum Island, in
Uminak Pass. Day generally
fine. Beautiful moonlight & starlight
night. Myself left harbour for Sitka

[Faint, illegible handwriting covering the page]

by Kualga Pass not long after us.

Sept. 21. Steaming north - eastward all day on course for Kodiak Island. Keupuk in sight for some time this morning. Day thick with south - easterly & ^{southerly} wind. Engines stopped for ^{refuel} about ten hours from 7.40 P.M.

Sept. 22. Rather strong S.W. flow during night & very heavy fog during sea all morning. Finding it would be impracticable to anchor in Aditak Bay, changed course to run along outside Kodiak Island with intention of calling at St Paul Isl. W. end of islands.

Sept. 23. Got into St Paul, Kodiak I, about 10 P.M. Landed & had an interview on seals etc with Mr Washburn, agent of A.C. Co. Left harbor for the eastward at 5 P.M. Morning fine, but gradually clouding, with falling barometer & rising north - easterly wind,

[Faint, illegible handwriting]

[Faint, illegible handwriting]

[Faint, illegible handwriting]

Sept. 24. On to Portward, our
shooting course direct to Sitka, finding
that the weather too rough & unsettled
to enable us to look at Middleton I.
or other such exposed places. Heavy
sea all day with ships rolling very
much.

Sept. 25. On Portward, toward
~~Sitka~~ heavy sea & wind, but rolling
else tolerable.

Sept. 26. This morning off entrance
of Sitka Sound. Looked our way
in slowly among the various islands
& rocks & anchored in harbour before
noon. Capt. Hayward of Prize
who once resided on Seal Islands
paid us a call. Had some
conversation with him, & afterwards
on shore with the Governor of Alaska
Mr Lyman Knapp, Judge Bugbee,
Capt. Warrisey (Agent for
H. Sikes & Co) & others on
Seals & sealing in this part of coast,
getting some information of value to

[Faint, illegible handwriting throughout the page, likely bleed-through from the reverse side.]

exp. ment that party Court between
Yakutat Bay & Dixon Entrance.

Sept. 27. Had a long talk this morning
on board with 4 Sitka Indians,
three of whom hunters, about fur-seal
& fur sealing on this party Court.
Called on Capt. Magnard on Phita.
Rev. Astor, called on Mr. Simmons
& saw part of his collection of
Indian antiquities etc. Got off at
4.30 P.M., following Nymph out.
Intend to go slowly southward
during night & go in morning of
Summer Strait to Shokan. Nymph
now bound to Esquimaux direct.

Sept. 28. Got into Shokan &
anchored opposite Saw-mill &
Indian village there before noon.
Landed & had a talk with seven
Indians from Klouok, about
fur-seal hunting at that place.
Found a Mr. Sarel & Dr. von
Harslocher here, owners of mill.

The first part of the book is devoted to a description of the various
 species of plants which are found in the region. The author has
 collected a large number of specimens, and has carefully examined
 them, and has found that they belong to the following genera:
 1. *Asplenium*, 2. *Polypodium*, 3. *Adiantum*, 4. *Phlegmaria*,
 5. *Thelypteris*, 6. *Onoclea*, 7. *Matricaria*, 8. *Senecio*,
 9. *Compositae*, 10. *Umbelliferae*, 11. *Ranunculaceae*,
 12. *Convolvulaceae*, 13. *Scrophulariaceae*, 14. *Ericaceae*,
 15. *Gramineae*, 16. *Cyperaceae*, 17. *Utriculariaceae*,
 18. *Alismaceae*, 19. *Characeae*, 20. *Hydrocharitaceae*,
 21. *Utricularia*, 22. *Alisma*, 23. *Chara*, 24. *Hydrocharis*,
 25. *Utricularia*, 26. *Alisma*, 27. *Chara*, 28. *Hydrocharis*,
 29. *Utricularia*, 30. *Alisma*, 31. *Chara*, 32. *Hydrocharis*,
 33. *Utricularia*, 34. *Alisma*, 35. *Chara*, 36. *Hydrocharis*,
 37. *Utricularia*, 38. *Alisma*, 39. *Chara*, 40. *Hydrocharis*,
 41. *Utricularia*, 42. *Alisma*, 43. *Chara*, 44. *Hydrocharis*,
 45. *Utricularia*, 46. *Alisma*, 47. *Chara*, 48. *Hydrocharis*,
 49. *Utricularia*, 50. *Alisma*, 51. *Chara*, 52. *Hydrocharis*,
 53. *Utricularia*, 54. *Alisma*, 55. *Chara*, 56. *Hydrocharis*,
 57. *Utricularia*, 58. *Alisma*, 59. *Chara*, 60. *Hydrocharis*,
 61. *Utricularia*, 62. *Alisma*, 63. *Chara*, 64. *Hydrocharis*,
 65. *Utricularia*, 66. *Alisma*, 67. *Chara*, 68. *Hydrocharis*,
 69. *Utricularia*, 70. *Alisma*, 71. *Chara*, 72. *Hydrocharis*,
 73. *Utricularia*, 74. *Alisma*, 75. *Chara*, 76. *Hydrocharis*,
 77. *Utricularia*, 78. *Alisma*, 79. *Chara*, 80. *Hydrocharis*,
 81. *Utricularia*, 82. *Alisma*, 83. *Chara*, 84. *Hydrocharis*,
 85. *Utricularia*, 86. *Alisma*, 87. *Chara*, 88. *Hydrocharis*,
 89. *Utricularia*, 90. *Alisma*, 91. *Chara*, 92. *Hydrocharis*,
 93. *Utricularia*, 94. *Alisma*, 95. *Chara*, 96. *Hydrocharis*,
 97. *Utricularia*, 98. *Alisma*, 99. *Chara*, 100. *Hydrocharis*.

Got away in Pm, but unable to
get further before dark than Port
Protection, where anchored for the
night.

Sept. 29. Got off about daylight
& anchored in Port Simpson
about 9 Pm. Fine & very clear
day.

Sept. 30. Landed early & saw
Mr Clifford & Mr Lockley of
H.B.C. at Ft Simpson, also a
couple of Indian hunters. Off
at noon. & steam to Wetta-
Ketta where arrive about 3 Pm.
See Bishop Ridley, Mr Todd of
Indian Dept. & others. Receive
from Mr Todd replies to his only
& Messrs Guillot & Piddock
in answer to circular sent out
for us by Mr Vowell Supt. of
Indian Affairs.
Leave Wetta-Ketta about 5,
steering for Port Eslington, on Skeena

The first thing I noticed
 when I stepped out of the
 car was the smell of
 fresh air. It was a
 relief after being stuck
 in traffic for hours.
 The sun was shining
 brightly, and the birds
 were chirping happily.
 I took a deep breath
 and felt a sense of
 freedom. The world
 seemed so much bigger
 and more beautiful
 than I had ever
 experienced before.

I had never felt so
 alive. The wind was
 blowing through my
 hair, and I could
 hear the rustling of
 leaves. It was a
 magical moment, and
 I knew that I had
 found something
 special. I was
 home.

but were to run anchor in North Channel about 9.30, the night being very dark.

Intensely superstitious, have almost amounting to panic, given by reports about ventured, of superstition already suggested to my mind that fur-seals (on a large part of the whole of them) actually winter off the D.C. coast. The supposed mystery of their winter haunts may thus disappear.

Oct. 1. Got away as soon as tide suited & arrived at Pt. Essington about 10.30 am. Tied up to wharf. Found that during the tide etc we could save nothing by getting away before 2 am tomorrow. Got some evidence from Mr Cunningham & others. Day severely overcast & some drizzling showers.

Oct. 2. Left Pt. Essington about 2 am, walked down the river

a out through Edge Pass, crossed
Hecke Strait & reached Warret
after a slow voyage, about 3.30
P.M. Saw Mr Alexander of
H.B. Co, Rev. Mr Keen, Mr A.
Mackenzie & others. Interviewed
a number of Indians, with chief
Edemrow & had also a long
talk with Mackenzie on seal
question. Found that we would
love to spend the night at
anchor here.

Oct. 3. Left Warret about daylight,
steamed across to Edge Pass,
Captain judging that it would be
better to reach Bella Bella by
inside passage than to go down
outside in face of South Easterly strong
wind. Anchored for night in western
part of Grenville channel. Strong
South Easterly gale, thick & dark.

Oct. 4. Off before daylight. Passed
steamer & passed to the Coast of Tokwa
going north, & afterwards the bay

The first part of the book is devoted to a description of the various forms of life which have been discovered in the different parts of the world. The author describes the habits and manners of the different nations, and the progress of the human mind in different ages and countries. He also describes the various kinds of government, and the different forms of property. The second part of the book is devoted to a description of the various kinds of life which have been discovered in the different parts of the world. The author describes the habits and manners of the different nations, and the progress of the human mind in different ages and countries. He also describes the various kinds of government, and the different forms of property.

The third part of the book is devoted to a description of the various kinds of life which have been discovered in the different parts of the world. The author describes the habits and manners of the different nations, and the progress of the human mind in different ages and countries. He also describes the various kinds of government, and the different forms of property. The fourth part of the book is devoted to a description of the various kinds of life which have been discovered in the different parts of the world. The author describes the habits and manners of the different nations, and the progress of the human mind in different ages and countries. He also describes the various kinds of government, and the different forms of property.

chief, being south. Obliged to
anchor, by dense fog, about 6 P.M. on
South side of Kure Pass.

Oct. 3: Anchor up early & got to
Kulla Kulla about 8.30. Landed, meeting
Rev. Mr. Hopkins, missionary. Interviewed
a lot of Indian hunters of this place, &
then left about 70 am. for Hawaii.

Crossing the open South of Fitzroy's Id.
passed by S. S. Walker & passed the
Princess Louise going north. Found the
Islander anchored in Hoadwell passage
& anchored there beside her. Capt.
Levine came on board & had a
talk. Islander is bound north to
Skene's Id.

Oct. 6. Anchor early & had an
interview with the Indians at
Hawaii on the sealing question. 12
Back on board & off about 9 am.
for the West Coast. Fine weather,
a little foggy in the morning.

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Oct. 7. Got out Cloughed Sound
this morning & after some trouble &
loss of time found & interviewed
some of Indians. On to Barclay
Sound, arriving about 5 P.M.

Pulled up to hill top, which found
entirely abandoned. Returned on
board after dark without having
seen a single Indian here.

Oct. 8. Left during the night &
Pang in the morning called at
Neeah Bay. Stayed about an
hour on shore, & had a talk with
the Indians. Left about 9 am &
reached Esquimaux at 3 P.M.
Tied up to wharf. Saw admiral
& others & then to Victoria by
road. Quarters at Driad.

Oct. 9. Interview with sealers
association this morning, & talk
with Mr Milne, Collector of Customs.
P.M. Saw Mr Hall of H.B.C. &
others. Evening dinner with admiral

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 The first thing I noticed
 when I stepped out of the
 car was the smell of
 fresh air. It was a
 relief after being stuck
 in traffic for hours.
 The sun was shining
 brightly, and the birds
 were singing. I took
 a deep breath and
 felt a sense of peace.
 The world was so beautiful,
 and I was so grateful
 to be here. I had
 been so stressed and
 worried, but now I
 was free. I was home.
 I looked at my watch
 and saw that it was
 8:30. I had been
 driving for 2 hours.
 I had a long drive
 home, but it was
 worth it. I had
 made it. I was
 safe. I was home.
 I took a deep breath
 and felt a sense of
 peace. The world was
 so beautiful, and I
 was so grateful to be
 here. I had been so
 stressed and worried,
 but now I was free.
 I was home.

Hotham at Esquimalt, on
Wasp, now in dock.

Oct. 10. Met a lot of Indians
from west coast Vancouver Island
at Mr Powell's office, by arrangement,
and had a talk with them on fur-seal.
P.M. held a long conference with
Sealers assoc. with special reference
to measures acceptable or otherwise
in regard to protection of seal
o's.

Sunday
Oct. 11. - spent much of day writing
up notes. Sir George & Mr Ince
left early this morn. for Seattle,
intending to return tomorrow
morning. Wrote letters to A.C. Co
& Mr Swazy, San Francisco
about photos. of Commodore Islands
& Pribilof Islands respectively.
Wrote Robert Hunt, Fort Rupert
about kind of seals seen by Howitt's
Indians on Triangle Island.

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[Faint, illegible handwriting]

[Faint, illegible handwriting]

Oct. 12. Busy working punch
cards & arrangements all day &
meeting various people. Saw
Milne, Prior, Fairclough, Crow
Baker, Hawley, Judge Swan
Capt. Sprung, Barclay & others.
on board steamer Governor for
Vancouver before midnight.

Oct. 13. Landed at Vancouver about
9 am. To Hotel Vancouver. At
2 P.m. met Vancouver leaders
& had some conversation with them.

Oct. 14. Left in train for Port at
2.20 P.m., in Mr H. Abbott's
private car, which he kindly gave
us

Oct. 15. Changed to another private
car this morning at Sicamous, &
then onward through the mountains.
Car set off at Cammore about
midnight, see George writing to stop
a day to see Cammore Mine.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page]

Oct. 16. Looked over Cameron Mine.
In afternoon got run down to
Luttrell, with engine, then to wait
for the southbound train.

Oct. 17. Traveling eastward
all day on Railway. Slightly
behind time this evening at
Lorraine.

Oct. 18. Arrived in Lorraine
about 5th P.M. & on, after an
hour's stoppage, eastward.

Oct. 19. On eastward on C.P.R.
8 cars off track, including
ours, about midnight &
some delay in consequence.

Oct. 20. On eastward. at
Endbury 3h 40 m late, in
consequence of little accident
last night.

[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]

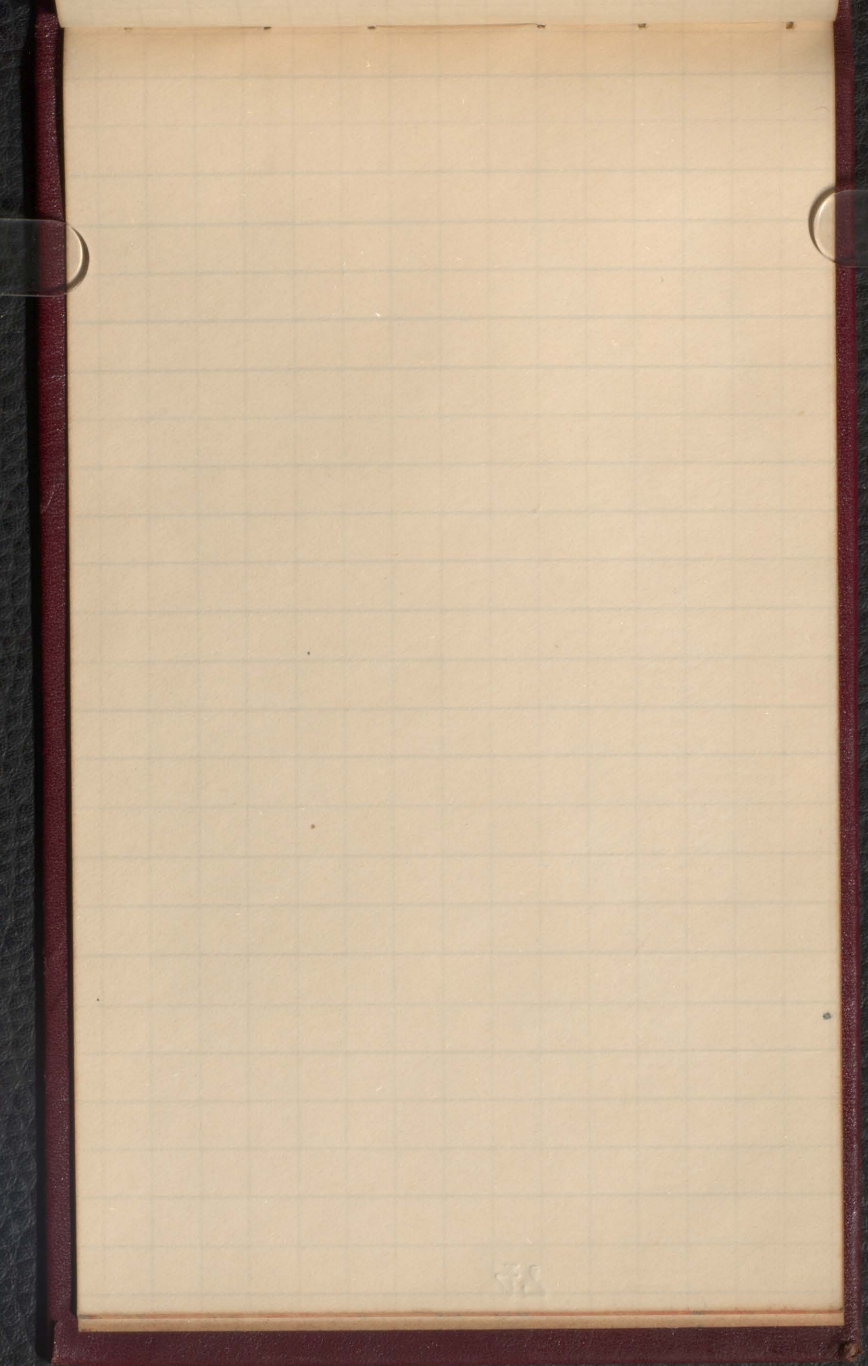
Oct. 31. Arrived in Ottawa Sunday
From Cole, about 8 P.M.

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