1896. - III
L. Stejneger
Aug. 22 - 25.
Middle Kurils.

Nushka p. 301 - 310
Pa'ikale 312 - 324
Nruyn 324 - 327
North Nushka 327 - 338
South Nushka 339 - 356.
Aug. 22. - The current found us drifted far to the S.E., but we soon picked up our bearings and are speedily heading for the Mucki Rocks.

The weather was glorious, the sun shone from a cloudless sky, only a haze concealed the base of the distant volcanoes invite of Mount Rainier, Blackheath, Chimney Rock, Ptarmigan etc. Mt. Rainier was in full sight, and the four Mucki rocks soon began to appear above the horizon. The wind was quite moderate and...
Omrus Albus

Lamia eurhata

Lomorphobius pygmaeus

Gephyrus carbo

Felimarnas gypsichus

Phalacrocorax urile

Nina aura

Larus, dark back

Phalacrocorax (large)

Gephyrus citrinus

Panthrophus dotatus

Jynx

Motacilla cinerea

Locustella odocoecus

Croesus

Tringa

Tringa glauca

Locustella ocellata

Pison, rosy starling
only the tide rips caused a commotion in the water. A few clouds hung in the very type of the volcanoes and mingled with their smoke.

At noon we were near enough to the Neukirch Rock to make an attempt at land, and at 12.30 the whole boat with Mr. Mills and myself left the rock. We first went round the Seal Rock, where we noticed a large number of sea lions, but no seals...
Mud list 22 Aug.

Red Rock hostel bare

Aug 23 a corner with grass

[Signature]

Hugh H. Bellard
22 and where it was difficult for us to land.

The rock is a high basaltic and entirely
the rock rises out of
the water without any
beach or outlying rocks.
The height is less than that
of Long Rock, and 140'
as given on the Chart after Snow is highly
improbable.

Went straight to Long
Rock where landing at
South Eastern end was quite
easy.

This rock is also land
22 Dec., but is surrounded by a rocky beach, which on the south side is fully 100 feet on an average, on the north side quite narrow. The high portion consists of basaltic columns capped with a thick coat of grass, Elymus? , in which numerous Lepid

Aphodita han dug their holes honeycomb the whole surface. A cliff splits the high portion in two halves close to the cairn, on western and on eastern one. Number
in sea lions have also found here who at once plunges into the water as we landed. No seals were found anywhere and no traces of any, no bones, no skulls. Of seals one hauled out on these rocks or must have been on the beaches of Dog Rock, but no evidence could be discovered. It is almost certain that there was never any breeding place here.

A wooden hale with
Rocks 29.71 + 0.50 30.21
Length top 29.61 5 = 50
703
30.11.5
790
87

1246
1159
87
In a Japanese garden
was 

in the centre high part

Was astonished to

find several land birds

v.g. a Condor, a

notacilla and a

notacilla collection,

only specimen of this

latter could be secured

the others were too high

that one had to be still

with large charge at a

day distance and was

thus rendered unfit for

conservation. The loca-
22 tallas land in the high grass among which they showed a great expertness of hiding themselves instantly upon alighting on it.

Look again from the eastern half just below (east) the highest point on plane table. Also a few photographs seemed queer masses of what seems to be Ceylon gray coral, but with traces of white on wing. Others were that were perfectly black.

Then landed on High Rock, took another and
22 tellus lived in the high grass among which they showed a great expertness of hiding themselves instantly bury upon abiriting in it. Took anger from the eastern half just below (unto) the highest point on plane table. Also a few photograph. Secured specimens of what seems to be Cyphus gray color, but with traces of white on wing. Others seem that are perfectly black. Thin sand on High Rock, torn curls and
22 photons. No seals, and no sea lions in the rock; a high step
vast the rock, crowned with Elymus 305. Like
Long Rock and curiously split in the middle to
the base with a high
pinwheels between the two
haliens.

On the way to the
main point Low Rock,
upon which only a
few sea-lions and no
seals.

The wind on board
about 5 pm and at nea
22 o'clock into the Okhotsk sea, where we hope to (1002 fathoms) waiting for the aerow to make land on Rai-koks. Weather fine.

In the evening obtained 3 Eegleau, charged plates, got many for tomorrow. The height of these rocks as given in the Brit Hydro. Off. Chart after few mine sketches are not correct. Any Rock I found by anchor to be 87 feet, High Rock is not over 120 feet.
22. Red rock is nearly 80 and shows about 20 feet.

While on the rocks we heard numerous loud vapors with discharges of big guns or blasting, evidently volcanic grumbling of some of the smoking mountains. They were not heard in any of the Albatross.

Aug. 23. - Sun overhead and a fine calm with a smooth, nearly glassy sea, and yet suitable
to land on the any
work. The fog is heavy,
low and heavy conceals
the base of the island
and the beach. I went
to visit. The top of
Rabotke and Matum
was high on the fog,
the latter with a cumulus
amount of steam
rising from its top,
but we cannot get
near them. We try to
look in at them, especially
Rabotke which is the only
one from which real has
been reported. In the
Barbotype by 23
Cerathium monodon

Bromia (dune) alba

L. inarticulata

L. connectens pygmaea, carunc.

Linus (subvar. ?)

L. sylvestris

Cyclolymnae, postanterior

L. folliculare

Corruca... sam as least 6 in one place.

Fasciculae convoluta, rare.
Smithsonian Institution.

UNITED STATES NATIONAL MUSEUM.

MEMORANDUM.
(23) afternoon the whole Shasta became visible, but the lower part of Rainier remains hidden in the fog. Occasionally even this is missed, but we soon do our stand in and get ready to lower the whale boat than the fog is over before the lower part of the new dead volcano. Finally at 4.30 pm the Rainier appears, the boat is lowered, Mr. Miller and I get on
and at 5 pm we are off for a circumnavigation of it. It being so late, the captain was reluctant in allowing me to return; but I assured him that it would be better to make the attempt, as much as it might turn out that no further work would be required at this place. It was then agreed that I should make a reconnaissance around the island, and if seals were discovered, to chase them to.
(3) Continue the runk to
morro, or wherever the
weather permits — but if
not then to continue to
Iredoi.

We pulled in close to
the shore and went on
ward kept very close to
as to be able to see every
thing on the beach.

Plenty of sea-lions were
around, at all suitable
places all around the
island, hundreds of birds,
cows and pups were
located, sometimes as
high as 40 feet aloft
(13) on the basaltic ledge
almost perpendicularly on
of the water. How they got
the cliffy and knees of rocks
up that formed a mystery.
How they got down was
less of a mystery, for as
they got one wind, they
knew themselves heading
in the waka or in the
sea, sometimes gliding
down and pulling up like
the waka on a water-
fall. In the waka they
behaviour was quite
different from the sail.
In the family kept to
the waka and they swam,
While the old bull in the middle my closely surrounded by his females and the pups, the juvenilements of all getting out of the water quite close together. During the whole cruise navigation not a single seal could be discerned neither on shore nor in the water, and it is absolutely certain that there are none here now. Also are the localities such as would lead me to expect that seals ever haunted
(35) out here, and where Capt. Miner circled here got 4500 seals here in 1884 is a mystery to me. I do not know what to make of these stories. Then they simply turn them out or as to deceive others, and are these seals stolen in other localities ??

Raikoke is a high volcanic peak rising out of the oceanic depths, its sides sloping about 30-33 degrees.
towards the top, the rim of a crater widening long since fallen in, and the volcano is probably now only a dead. What some of the officers earlier in the day took for smoke or steam was evidently only fog. The sides are some yards higher of volcanic ash, with bits and there a few raw stones, sticking up, and the base against which the waves of the Pacific Ocean and the Whales from here beat is
chiefly composed of step basaltic rocks 40-80 ft high, but seldom cooled off with columnar structure big mostly marine and apparently hemorhous in the lower portion of the slope is covered with a kind green of the same plants as collected on the Meski Rocks with the addition of a fleshy leaved large yellow flowered large Compositae and a white daisy (Chrys...
(23) Arctium lappa (Linn.)

The rock being in places covered with a very rich yellow lichen.

At all the prominent capes and corners, the rocks rise precipitously out of the water, but in between there are occasional narrow ledges covered with boulders from the top of a cart wheel to that of a small house, while in other places the gentle narrow beach is fringed by a some steep bank.
of sound to make the
bigs of a fish to that of
the a head, under tracts
with driftwood thrown
up at the uppermost
extreme part of it
next to the east slope of
this, now facing
Matna Island.

On the east side only
were some rocks lying
a somewhat off a reef,
with a few detached rocks
and deep clefts and
bays therein. But they
were high out of the
water, and not at all
(27) of such a character as to furnish a suitable place for pursals to haul out upon. I can affirm that I have not seen nor been in pursal haul out permanently on any beach of the kind which Raikotka only offers. Raikotka is said to be 2050 feet high, and the diameter is about 1½ miles; it is nearly circular as shown in Brown's map and has none of the keys shown
(23) of the others. But he has certainly more detached rock scattered about than there are in reality.

I landed for a moment at the southern side just beyond one of the detached rocks and tried to walk over one of the enormous accumulations of big boulders, but I had to give it up after having crossed a few hundred feet.

The circumnavigation took us about 2 hours.

Got off at 11.30 with Mr. Miller, Dr. Young and Walter in the boat, Jakobson at the middle.

Made first for the Black Rock, Honolulu, but cancelled.
Newts

tailed batrachians with extended over parathed processes. Species constitute the distribution is mainly and Asia north of America is only rep-

ecies. Habits aquaticctly harmless.
not land. It is low with a number of grotesquely formed rocks raised on the surface. It really consists of 3-4 discordant rocks, the sea connecting across in my narrow channel. Plenty of sea-lions are seen, but no seals. Off north there is a small rock a little less than 1/4 mile off not shown on my chart map.

Landed on Sealing Rock, a low (about 15 feet) rock 700 feet wide by about
4700 feet long, perfectly white near the Salomini, of the large numbers of mackerel
hanged out there, apparently mostly large hakes, only
a few hakes on the land in early on the south east end, and some
mackerel and photographs. Found near that point
a number of sea lion pups (35) clubbed and
shrunken by some recent visitor (unknown), the island
thought frightfully near the droppings of the sea lions
325
In winter and many
gales the sea must
swell clear across it.
It is bare and, mostly
of columnar structure.
No seal was seen by us.

From this cove we sailed
to the S.E. point of Ushiko-
shire, North Island, and landed
there. The arrangements was
made that the boat and
men were to proceed to the S.W. end of this
island and there wait for
us, while we were going to
walk along the beach, me
party, Dr. Young, Mr. W. Orr,
Mr. Stalker, and myself.
ra Line, Rock, Sunday
May 24

With about 700 feet
depth
59 killed and obtained
on him pegs.

5 days ago caught on Lake
12 small, 2 large and 9 big
with an 8 hook and
12 years ago he took
30.0 on Rain Lake.

3 years ago 200

Now on Raini, last 12 years on
1900 taken on Red Rock.
accompanied by one of the sailors, a honest man, "Bob Pickett," to take the boat there. Over an abnormally beach of rounded stones and large boulders, here and there interrupted by steep basaltic ledges in precariously, until we found ourselves, about 4 p.m., stopped by a colossal basaltic monolith, an absolute "non plus ultra." We considered the advisability of giving up on the plateau — this island being a high plateau with a narrow head.
Seals also taken on
Lodnor Sealing Rode
I saw one this morning
had only seen fur bear
hunting at my time
I was age got back
pens now
Went out the seals in rape
mothers
Now heard of seals on
Commot.
Now on Ketty
Fcen on Radnare
(24) all around, but the bluff, bully 100 feet high was unscaleable, so we had to retrace our steps and after gaining the 100 feet point again proceed along the trail. Then we were the walking on none the better. Finally I felt slipped on a rolling boulder and my foot sprained my ankle, but knowing that the boys wouldn't till dark we had to get there if we did not reach it before I went on, not daring to stop and let the joint get ahead, as I knew
The great house she
omitted & white red table

\[ \text{an} \]

Used

with last year

Now the new ship/flag

Scheme

Capt. Sagiro Kirata
(24) I would then be unable to move further. We finally reached the extreme SW point only to find this another impassable barrier. The boat was evidently on the other side. What then to do? The bluff was nearly perpendicular, yet there was no other choice, it had to be scaled. There was a very narrow gully by which we hoped to make the height, and ahead I went.
We finally got stuck in the narrowest part of it, and it seemed impossible to get further. I let the boy with the camera come up to me in order to be able to move some stones and throw them down, hoping that thus I might be able to gain a sure foothold, and in this I finally succeeded, but I saw it would be impossible for the boy to get up, so I ordered him back to the beach telling him that we would cross
and came near after him in the boat, Sheav the gun with Mr. Stally I then went up, then two both guns and pushed them up ahead. Only following. We thus succeeded to get up this passage, but our way through the tangled mass of Elysium and Archangelica was much more exhausting and tiring than the diving itself. We finally reached the top, finding myself on a very narrow ledge which went equally steep.
(24) down on the other side. We saw no boat, but decided to go down to the beach, the appointed place and wait there. The ascent was steep, but there were rapids and easy, and arriving on the beach we found the boat concealed behind the bluff. A deep draught of the water kept us embarked for the "Illusion," which had anchored close to shore in the "West Bay," off the North shore of the South Island.
As we sailed in toward the rocks in the morning, we saw a small schooner, which finally anchored in the West Bay close to her. She carried several large flags, among which the Japanese ensign. In the evening the Captain, Izu Harata, of Hakone, came on board with apparatus, the Mate and his chart, very invited by Capt. More. The schooner's name is Yuki no Mara, and the
(24) Large flags are the healing licience flag, new this year and superceding the white flag with the red figures which was used until last year. The new one is horizontally striped white, red, white, black, white.

He had been on a sealing expedition since April with very poor luck, having only about 2000 seals, some foxes, and a couple of sea otters. In Jan. to launch he had got about 2000 seals, pelagic seals.
(24) off the east coast of

About the seals on the
Kurils he told us as
follow:

The only seals taken by
him this year on the island
were 12 on Rakioka-
5 days ago, 3 bulls and
9 three-years-old. He had
seen one seal on South-
Seal Rock this morning,
and saw another a few
days ago on Seal Rock,
Nushiv Rocks. These,
Rakioka, Lebron and Nushiv
are the only islands upon
(24) which seals haul up. Thirteen years ago he partook in taking 3000 seals on Raikoke (the others hunting in common and dividing up profits). These seals occurred in the deep coves and coves on the east side of the island, the same place where the 12 men took a few days ago. The seals on this island have been diminishing slowly. Four years ago he took 300+ seals there 3 years ago only 60.
There are now 8 schoons on their coast, hunting, I belong to the company. 

This Oct. 8th. 1872 I was taken in Scalrock, N.W.H.Is.

Last year he got a few seals on Arroughton Island, but he had never seen or heard of any seals on Simuitor, Ketore or Ump, although he has been here for 17 years and every year during the last 7 years.
Aug. 25. - The weather being cloudy but fine I started in the whaleboat immediately after breakfast from our anchorage in West Bay Pictou on a circumnavigation of South Island in search of seals.

We pulled along the shore quite near between the beach and the rocks and between the two cape and Babushkin, but neither seal nor seals nor

the beach or in the

water.
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MEMORANDUM.
The SW cape is a very high - 200 ft - and jagged, circular, bristle-like formation of columnar structure with a hole worn clear through the middle of it by the sea.

The sky was now clear and we soon had a most glorious day with warm sunshine and a blue sky.

Rounding the SW cape the bold dome Rock, now abruptly about 200 feet out of the deep water, and the
remarkable Crater Bay came in view. One to the right on a low neck of land to streams of steam, one more behind, the other white smoke rising into the air. It was the steam from the hot spring.

At first it looked as if it would be impossible to pass through the narrow opening into the bay, for the craters appeared close across, but on coming out that there were caused by the smell
meeting the outgoing tide and forcing our way through the thick brush. We were constricted inside a narrow, curved channel which led into the crater. Wide sand flats extended in both sides into the channel and in places we had only 18 inches of water, so that the men had to get out and drag the boat over.

We then pulled into the wonderful circular bay surrounded by the...
grass clad but steep slopes of the narrow rim which separates it from the sea on all sides. The water of this lake-like bay was dark and placid, like a mountain lake, its depth unknown. Its surface was covered by numerous flocks of Fulmarus glacialis and Cremastra cristata, now rapidly shedding their yellow hats.

In the crater itself there are two islands, one large
The winter is so cold.

Mr. Smith and Mr. Johnson are going to the sea.

Please write the message in my book.

Try not to be late.

I am the one who loves you.

Your friend,

John

The winter is cold.

The birds fly south.

Lil muséa, hurto an.
the other smaller, the former 150-200 feet high, while on the isthmus which separates the crater lake from the bay outside there are two high rocks—jutting out like the two islands—one a pointed cone as high as the large island.

...of the isthmus, but on the side of the lake and at its southeast corner only a few hundred feet from the beach and not more than 20 feet above the level of the sea are the hot sulphur springs located.
The ground is of a light greyish clay color, interspersed with a delicate yellow sulphur bloom and from various holes in the soft ground, lined with small crystals of sulphur. Steam was issuing forth. In places small mud volcanoes were formed 6 inches across at the top in which the liquid mud was boiling and boiling, while scattered drops of fresh mud around them testified to their occasional...
Some violent eruptions. The ground was hot and sulphurous fumes filled the air. A small stream of hot, clear water, filled a kind of sulphur run from towards the bay. No thermometer was at hand, but samples of the water were collected.

The men dug a small basin in the ground in which they took a hot bath while I put up my plant table and my camera. I also photographed
a small stone monument evidently a grave, which had a Japanese inscription and was situated at the back of the chillisso house facing the mouth of the channel. A small wooden cross with one arm in it was placed on top and an empty bottle stuck in the ground in front of it, apparently recent offerings by the crew of the Japanese schooner now here. The stone itself was cut and the inscription
The man was a man of consequence who was
bound here, since so much
trouble had been taken in
marking his resting place,
as to bring a monument
all the way from Japan to
This month and remarkably
a Jap boat core 12.00
sent her, from Tokyo.
We landed ashore and
then continued coterned
along the shore from which
we were separated by bed
of thick reed. Just east
of some Rock, I saw
a few sea lions in the
water and a single light colored hair-seal, but no where fur-seals or
sea-lions or the beach which here consists of
narrow sandy beaches between steep nowhere
promontories.

Having arrived at the
north eastern end of this
island it was deemed
dangerous to attempt to
cross the bar which con-
mects it to the north
island, and as the wind was
favorable he finished Carl
returning the same day.
we came. This time we went outside the Dakwahkin Rock and saw how a kihon gungu kec-him in the water.

The Ushikhaie Islands are covered with an extensive, luxuriant growth of grass (Elymus) and perennials to their very tops. Achilenea, galica, and Stracheyi, and Candelaria are plants additional to a few cactuses and also a very inferior golden and large Taraxacum which Mr. Parkinson got a little higher up.
I had no chance of visiting the "old village" at the north extremity of South Island. The officers who went ashore describe it as a mere (probably recently deserted) "baraka" of distinctly Alcubian type. On the opposite side of East Bay, on North Island, I found a number of large square holes in the ground which were evidently pits left from some old dug-out dwellings and I have no doubt that this is a much older village site than the one on the South Island.
It was so evinced with
vegetation that no exami-

tation could be made.

In the evening Capt. von
 came to me for a consultation
concerning our future course.

We agreed readily that this
search for seals is the
wildest and given chase
which it would be un-
reasonable to continue
around these larger islands.

The information we got from
the Japanese Captain so
fully corroborates our
own experience that no
seals to speak of are now
found on the islands, much less any workers, and his position assertion that there has never been any permanent workers outside of Atiu, Rarotonga and Aitutaki agrees well with other reliable information at hand. Therefore, having now examined these islands upon which it is certain that real workers formerly occurred and found more than it would be folly to spend even time and energy.
(25) on the other large islands, in addition to the risk of the ship in those unknown and dangerous waters, at least until more definite information could be had. We regretted this conclusion very much, for I had anticipated great pleasure and benefit in other branches in exploring each one of the islands, but it was plainly our duty to limit ourselves to the real business, and there is therefore no other decision to be arrived at but to go at once and
(25) to Rotten Island. We con-
quently go decide-
and furthermore, that
having examined the notes
there we would go to
Ternup, hunt up the
Japanese Maritime Product
Company's office there
and obtain what in-
formation they could give
up, as the way up to
at Brougham Island
(Motinarum) where the
Japanese Captain said he
had taken scalo last year.