

Algae received from
Mr J. S. Fernald, Feb. 1905
collected at
New Brunswick
Cambridge, Mass., U.S.A.



190

- 1 *Phyllites zosterifolius*
- 2 *Cladophora*, a fragment
- 3 *Cetocarpus*
- 4 *Sphaeraria furcigera* Kütz.
- 5 *Callitamon*
- 6 *Stilophora rhizodes*
- 7 *Dictyosiphon*
- 8 *Polysiphonia variegata*.
- 9 *Polysiphonia violacea*
- 10 *Polysiphonia nigrescens*?
- 11 *Polysiphonia nigrescens*
- 12 " "
- 13 *Enteromorpha compressa*
- 14 " "
- 15 " "
- 16 *Gracilaria multiportita*
var. *angustissima*

17. *Polyzoides rotunda*
18. *Ceramium rubrum* on *Cyrtoclonium*,
and a bit of *Calli. Haileyanum*.
19. *Colotrix confusicola* on *Dictyonophora*
20. *Cladophora*. appears to be *C. flexuosa*
but it is in too bad condition to
name with certainty.
21. *Cladophora gracilis*
22. *Ceramium*
23. *Chordaria flagelliformis*

1. Nostoc sphaericum. Vauch.
E. Haxson, autumn
1884

2. Nostoc, I cannot be certain
say what species. What was its
habit floating or fixed in water
on rocks or the ground?

3. This is not one of the
Nostocineae but one of the
Palmellaceae. It is partially
decomposed, however, and I
cannot determine it.

4. Nostoc verrucosum. Vauch.

5. not a Nostoc but a Chaetophora.
It seems to me to be probably the
young of Chaet. endiviaefolia.

6. This is too far gone to be
determined.

7. Cladophora glomerata, a very
variety, no. 4 is apparently a
condensed form of the same.

8.

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OF
CRYPTOGAMIC BOTANY

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Cambridge, Mass., U.S.A.

19. Nitophyllum multinerve Felton
20. { Hydolphathum leptanocarpan Gellh
 Delessera salicifolia Remsch 1910
21. Utriculidium Durvilleti Gruber
 adenocystis Gruber
22. Nitophyllum Yoo young
- X 23. Monastrona
24. Perhaps Jridae but more like
 Nemastoma as Kallymenid long + spines
25. = 16
26. Coelium micromatum
27. Pitho Harveyi
- X 28. Ubra Levineo luteisauria 23
29. Acanthacoccus antarcticus
30. Griffithsia antarctica
31. Callithamnion
32. Jridaea dichotoma
33. Griffithsia (G. Coallina Fl. antarct.?)
34. Jridaea dichotoma
35. Desmarestia anceps Mont.
36. Plocamium coccineum
37. Heterosiphonia Berkeleyi
- X 23 & 28 may be transposed

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38. *Callophytus variegatus*

40. *Bryopsis Paduae*

41. *Acanthococcus antanthicus*,

42. *Callophytus fastigiatus*

Yellou
Nov. 1910

Large specimens

1, 3 & 8, *Macrocystis pomifera*

2. *Desmarestia Rossii*

4. *Laminaria (Dumontia) caespitosa*?

5 & 6. *Lessonia fuscescens*

7. *Lessonia flavescens* (water)

also an unnumbered *Gracilaria*
argentinae,

rough dried

Dumontia uttilis, stipe,

Macrocystis pomifera

In boxes amphiroa *Arborea*
and zoophytes

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Cambridge, Mass., U.S.A.

Algae from
Falkland Islands
Received Sept. 1909
See letter of Mrs
Constance Allardyce
Aug. 8. 1909.

Desmarestia Rossii
Colpomenia sulcata?
Corallina sp.
Callophyllis variegata
Ptilota Harveyi
Ballia callitricha n.
Ocellularia Lyallii,

No 2 Fern Kelp

grows in deep water

Tree form - branches

over 100 feet - long

No 7 Tree Kelp.

grows on rock. (never dries)

trunks from 4 to 18 inches in
diameter from 4 to 20 feet in

height.

No 1 - Smooth bladder
kelp - grows in sand
over 150 feet in length or 200

No 3 - common bladder
kelp - grows in sand
very thick band all around
the islands & rocks. a clear
patch in this kelp denotes a
rock - from 50 to 150 in length

No 4 - Leather kelp.
mostly dry at spring tides
some of the leaves measure
15 feet x 8. x 1 1/2.

5 & 6 grow on the beach
and are dry at - spring tides

NO 5 has the peculiarity of
invariably having the leaves
slit -

NO 8 is a small bladder
kelp -

The dried roll is the
whip kelp - 10 to 50 feet -

(*D. antarctica*)

The bunch of seaweed that looks like hair,
although it may be well known to you; is
the first I have noticed when fresh it was a
mass of iridescent light, the light being
intensified as the rays passed through the prisms.

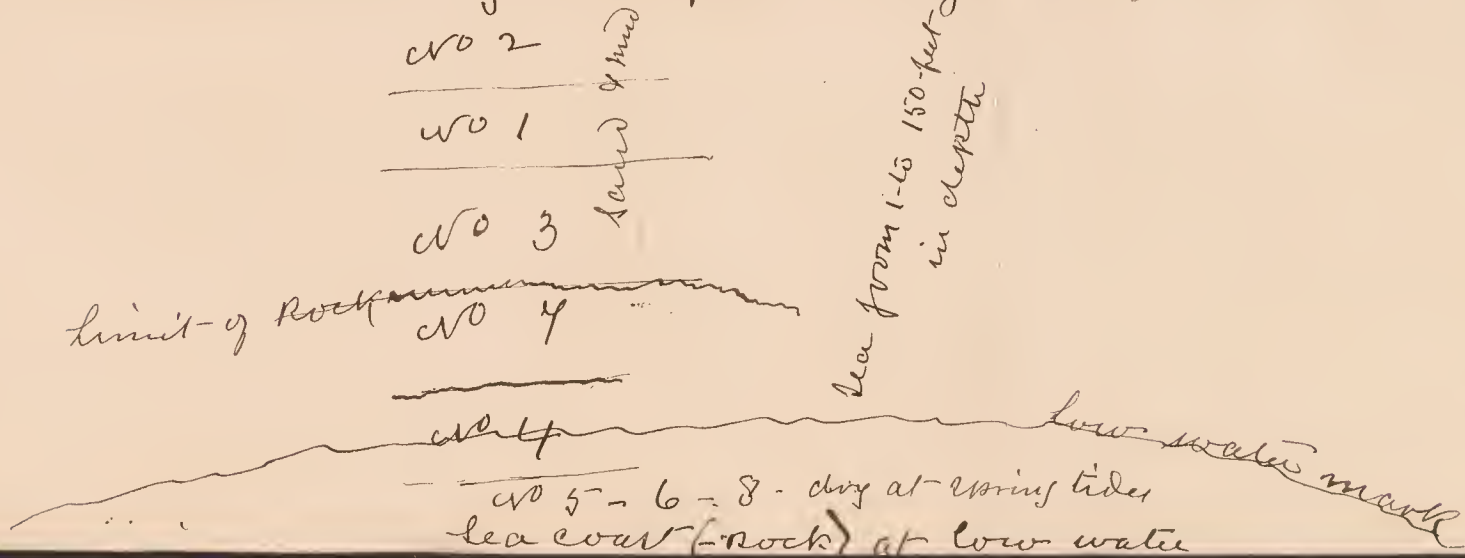
It was very beautiful, and it seemed
such a pity to dry it.

It is in the little wooden box

Cherry



The natural distribution of the kelp - can be ascertained by the following diagram



Journal, M. L. Herald
Sept. 1905
no. 141. on Aster foliaceus
Puccinia asteris

125 on *Vacc. ovalifolium*
exobas. *Vaccinia*

119. *Oenothera divaricata*
P. Oenotheriza

136. *Veronica alpinum*
var. *Unalaschensis*
~~*Pucc. Veronicae Tulas.*~~
This seems to be
Pucc. albulensis ^{Mayrho}
Ley. & *Pucc. Porteri*
Rehm really an older
name for this species.

Cryptogams
of Bolzano Expedition
July-Aug. 1908 to Ungava
Bay & Labrador received
from Mr. Fernald. Nov. 1909.

Thaerophorus fragilis
Stereocaulon coralloides
Cetraria Islandica Delisei
" *cucullata*

Tolomia crocea
aulacomnium virgatum
Rhacomitrium lanuginosum
Rhytisma salicinum
on *Uva* to *Salix Uva-Ursi*,
a single *Caulothraella*?
or *Craterebella*?

Thozium.

Fernald

From Labrador 1910,

4230. *Heterocaulon tomentosum*
(Lam.) The Lm.
4231. *Trematodon awlignus*
(Hedw.) Bry. Eur.
4232. *Bryum* sp.?
4233. *Polytrichum strictum*
Banks
4234. *Ceratodon*??
- 4235 *Bryum* sp.?
4236. *Tetraphleboton muirheadii*
(L.f.) Bry. Eur.
4237. *L. Staehnum*
ampullaceum L.
4238. *Cladonia* on
Rhinanthus.

Fernales. Newfoundland

X 6573. *Polypodium arcticum*
(L.) Kuhn

X 6572. *Peltigera aphthosa*
(L.) Hoffm

X 6554, 6576 (n 46)

Peltigera canina
L. Hoffm

X 6548. *Peltigera rufescens*
vel *canina*.

X 6564-6571

Cetraria aculeata
(Nreb.) Kuhn

X 6556. *Parma pilifer*
erecta var. (L.) Zahlb.

X 6555. *Normandina*
costaricensis

X 6565. *Lobaria pulmonaria*
(L.) Hoffm

X 6570, *Sphaerium*
~~glab~~ *coralloides* Pez

X 6542, *Cetraria* *Islandica*

X 6566, *Biatra*

granulosa

X 6540, *Cladonia* *deformis*

X 6547, 6541,

Cladonia *crestatella*,

X 6549, 6553, 6562

Cladonia *proci lis*

elongata vel *C. cruenta*,

X 6541 = 6549?

X 6568, 6574, 6563,

Cladonia *proci lis* *hybrida*.

Fernald, Lichens Newfoundland

1911

6538. *Lecidea cruzera* 1911. *prochala*

6539. *Herocaulon*

6540. *Cladonia deformis* Hoffm.

*6541. *Cladonia gracilis* (L.) Willd.
v. *elongata* (Jacq.) Floerke

6542. *Cetraria Islandica* (L.) Ach.

6543. *Stereocaulon rosehalei* (L.) Ach.

6544. *Thelochistes*, very young.

6545. *Stereocaulon rosehalei* (L.) Ach.

6546. *Peltigera canina* (L.) Hoffm.

6547. *Cladonia cristatella* Tuckerm.

6548. *Peltigera rufescens* (L.) Hoffm.
(= *P. canina*?)

6549. *Cladonia gracilis* (L.) Willd.

v. *elongata* (Jacq.) Floerke

6552. *Cladonia gracilis* (L.) Willd.

v. *dilatata* (Hoffm.) Wainia

(= v. *hybrida* Tuckerm.)

6553 = 6552.

6554. *Peltigera canina* (L.) Hoffm.

6555. *Coriadium viride* (Ach.) A. Zohl.

= *Normandina laetivirens*

6556. *Psomadophila ericetorum* (L.) A. Zohl.

6558. *Cladonia pitagorae* (Floerke) Tuckerm.

= *C. furcata* var. *acutiuscula*

6560. *Alectoria jubata* (L.) Nyl. also
Parmelia Physodes and *P. sax*

6559



- 6561, *Cetraria* ?
 *6562, *Cladonia gracilis* (L. Willd.)
 v. elongata (Goetz.) F. Weber
 6563, *Cladonia gracilis* (L.) Willd.
 v. dilatata (Hoffm.) Wærnig
 6564, On *Betula nana*
 6565, *Lobaria pulmonaria* (L.) Hoffm.
 6566, *Biatora granulosa*
 6567, *Stroccaulon tomentosum* E. Fries.
 6568, *Cladonia gracilis v. dilatata*
 6569, *Cetraria aculeata* (Schreb.) E. Fries
 6570, *Sphaerophorus coralloides* Pers.
 6571, *Cetraria aculeata* (Schreb.) E. Fries
 6572, *Peltigera aphthosa* (L.) Hoffm.
 6573, *Nephroma arcticum* (L.) E. Fries
 6574, *Cladonia gracilis, v. dilatata*
 6575, *Stroccaulon tomentosum* E. Fries
 6590, *Alectoria sarmentosa* Ach.

- 6550, *Cladonia*
 6557, *Cladonia*
 6576, *Cladonia*