

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



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

17. *Polysides rotunda*
18. *Ceramium rubrum* on *Cystocodium*,
and a bit of *Call. Baileyana*.
19. *Colobryx 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. Huxon, autumn
1884

2. Nostoc, I cannot be certain to say what species. What was its habit floating or fixed in water or 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. 9 is apparently a condensed form of the same.

8.

algae from G. C. Felton, Dec 12, 1900.
Numbers of smaller specimens.

Falkland
Islands

1. *Ballia callitricha*
2. *Heterosiphonia Berkeleyi*
3. *Ballia scoparia*
4. *Ptilota Harveyi*.
5. *Ballia callitricha*.
6. *Rhodomela patula* with parasite
7. *Nitophyllum laciniatum*
8. *Callophyllis fastigiata*
9. *Acanthopococcus spinuliger*
10. *Delesseria Lyallii*
11. *Ptilonia Magellanica*
12. *Callophyllis variegata*
13. number uncertain
14. Zoophyte.
15. *Girdaea laminarioides*
16. *Delesseria Phyllophora* (*D. crassomeria*)
F. Antarctica
17. *Rhodoglossum variolosa* ?
18. *Delesseria quercifolia*

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Cambridge, Mass., U.S.A.

19. Nitophyllum multinerve Johnston
20. { Hydolphathum leptanocarpum Gell. num.
 Delessera salicifolia Remsch 1910
21. Utriculidium Durvilliei Gruber
 Adenocystis Gruber
22. Nitophyllum Yoo young
- X 23. Monastrona
24. Perhaps Jridae but more like
 Nemastrona as Kallymenid long + spines
25. = 16
26. Coelium micromatum
27. Pitho Harveyi
- X 28. Utraculidium luteum - 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. *Acanthoporeus antanthus*,

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*
argentina,

rough dried

Dumontia utilis, 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 Allardice
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 4 Tree Kelp.

grows on rock. (never dries)

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

height.

N^o 1 - Smooth bladder
kelp - grows in sand
over 150 feet in length or 200

N^o 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

N^o 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 organism.

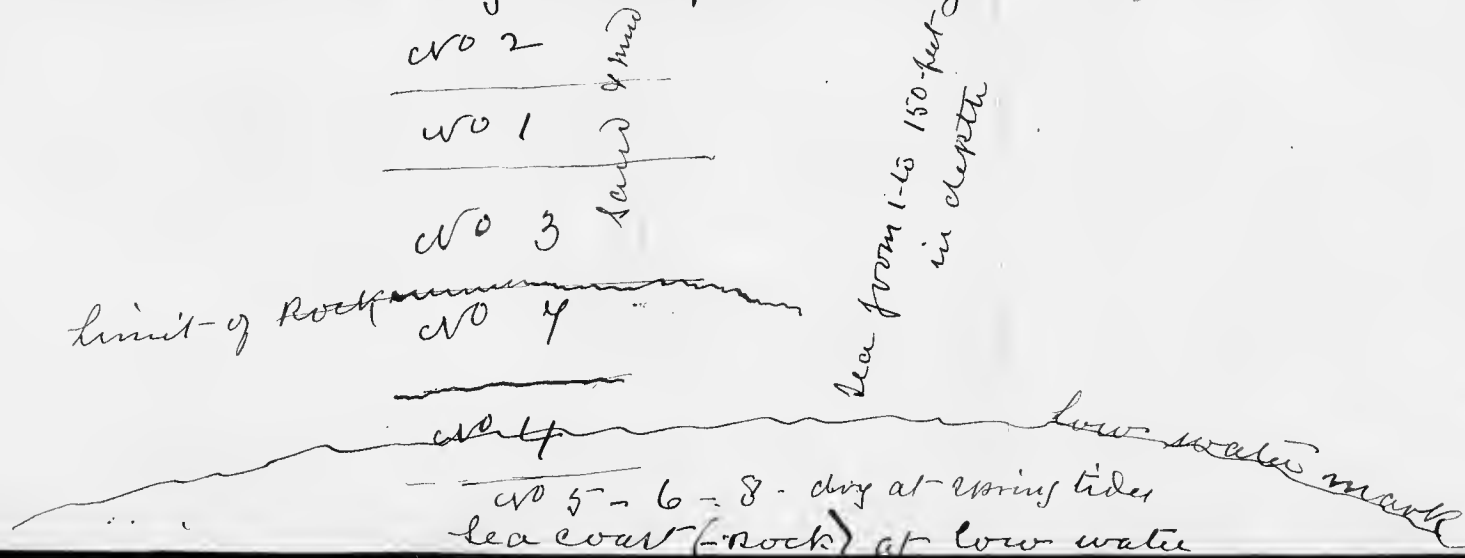
It was very beautiful, and it seemed
such a pity to dry it.

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 Johns*~~
This seems to be
Pucc. albulensis *Mayrho*
Ley. & *Pucc. Porteri*
Rehm really an older
name for this species.

Cryptogams -
of Bolyant 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 turgidum
Rhacomitrium lanuginosum
Rhytisma salicinum
on *Uva-ursi* *Salix Uva-Ursi*,
a single *Caulothalpus*?
or *Cratereilus*?

Thozium.

Fernald

From Labrador 1910,

4230. *Heterocaulon tomentosum*
(Lam.) The Lm.
4231. *Trematacton awlignus*
(Hedw.) Bry. Eur.
4232. *Bryum* sp.?
4233. *Polytichum strictum*
Banks
4234. *Ceratodon*??
- 4235 *Bryum* sp.?
4236. *Tetraplexon muiaides*
(L.f.) Bry. Eur.
4237. *Llochnum*
ampullaceum L.
4238. *Leptotum* on
Rhinanthus.

Fernales. Neofamilia

X6573. *Polypodium arcticum*
(L.) Kuhn

X6572. *Peltigera aphthosa*
(L.) Hoffm

X6554, 6576 (n 46)

Peltigera canina
L. Hoffm

X6548. *Peltigera rufescens*
vel *canina*.

X6564-X6571

Cetraria aculeata
(Nreb.) Kuhn

X6556. *Parasphaera*
erecta (L.) G. G. G.

X6555. *Normandina*
costaricensis

X6565. *Lobaria pulmonaria*
(L.) Hoffm

X6570, *Sphaerium*
~~glab~~ *coralloides* Pes

X6542, *Cetraria* *Polundren*

X6566, *Biatara*

granulosa

X6540, *Cladonia* *deformis*

X6547, 6541,

Cladonia *crestatella*,

X6549, 6553, 6562

Cladonia *proci lis*

elongata vel *C. cuneata*,

X6541 = 6549?

X6568, 6574, 6563,

Cladonia *proci lis* *hybrida*.

Fernald, Lichens Newfoundland

1911

6538. *Lecidea crumena* 1911. *prochala*

6539. *Stereocaulon*

6540. *Cladonia deformis* Hoffm.

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

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

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

6544. *Heloschistes*, 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* (Goey.) 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* (L.) Ach.

= *C. palmatula* (L.) Ach.

6559

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



- 6561, *Cetraria* ?
 *6562, *Cladonia gracilis* (L. Willd.)
 v. elongata (Goetz.) F. Weber
 6563, *Cladonia gracilis* (L.) Willd.
 v. dilatata (Hoffm.) Wainio
 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*