shaded cliff, Gorge of Diamond River, Dartmouth College Grant, August 2, 1914, *A. S. Pease*, no. 16,153; Alpine Cascade, Gorham, 1873, *C. E. Faxon*, September 4, 1903, *Pease*, no. 2530; dryish cliffs, Crystal Cascade, Pinkham Grant, August 7, 1879, *Edwin Faxon*, September 6, 1907, *Pease*, no. 10,715; shaded cliffs, Ice Gulch, Randolph, September 13, 1895, *T. O. Fuller & H. A. Purdie*, August 28, 1901, *Pease*, no. 25; dry ledges, Mine Brook, Shelburne, August 15, 1908, *Pease*, no. 11,664. VERMONT: Mt. Mansfield, August, 1877, *Faxon, Pringle*, and many later collections by others; Smuggler's Notch, *Faxon et al.;* dry sheltered cliffs, Underhill (Nebraska) Notch, *Eggleston et al.;* altitude 1500 ft., Mt. Zion, East Hubbardton, July 17, 1898, *Eggleston & Ross*; rocky cliffs, elevation not over 1000 ft., Mt. Zion, September 1911, *Rugg*. ONTARIO: rocky cut on Canadian Pacific Ry., Franz, June 22, 1921, *Pease*, no. 17,960; crevices of rocks, Red Rock, Lake Superior, June 24, 1884, *J. Macoun*; Isle St. Ignace, 1866, *O.B. Wheeler*. MICHIGAN: Isle Royale, August 19, 1873, *H. Gillman*, August 6, 1909, *W. S. Cooper*, no. 27; among rocks, Keweenaw Co., August, 1888, *Farwell*, no. 557; on cliffs of greenstone trap east of the Cliff Mine, 1863, *J. W. Robbins*; Phoenix, August, 1885, *T. E. Boyce*. WISCONSIN: St. Croix Falls, 1861, *T. J. Hale*; Dells of the Wisconsin, *I. A. Lapham*. MINNESOTA: Basswood Lake, *L. H. Bailey*, no. 430; St. Paul, *Ellen Cathcart*. UPPER AMUR: on shady sloping cliffs, August 18, 1891, *Korshinski*. MIDDLE AMUR: on crags in oak copses, June 5, 1891, *Korshinski*. MANDSHURIA: Amur River, 1855, *R. Maack*. JAPAN: Sapporo, October 19, 1903, *Arimoto*.

GRAY HERBARIUM

PLANTS OF THE HAMILTON INLET AND LAKE MELVILLE REGION, LABRADOR.

R. H. WETMORE.

DURING the summer of 1921, the Canadian Government conducted a Survey in the region of Hamilton Inlet and Lake Melville, Labrador. While on that Survey, during the months of July and August, the writer collected the plants listed below. However, this does not represent an exhaustive study of the flora of the area covered, for the Survey itself was preeminently hydrographical and geological in its intent, hence those elements of the work were stressed accordingly; also the mode of travel of our party—by motor-boat and canoe—was conducive only to botanizing those points at which stops were made.

The plants were identified at the Gray Herbarium, Harvard University, before being forwarded to Ottawa, where they are now filed with the Geographical Survey. It is with the permission of the Director of that Survey that this list is being published.

Below is appended a list of the important stops of our trip, the names used being generally those employed by A. P. Low in his maps of that region, which were published by the Canadian Geological Survey in 1896. These places are numbered and the numbers will be used in the list following to stand for the places cited.

Before continuing with the list, the writer takes this opportunity to express his thanks to Prof. M. L. Fernald, with whose help the identification was done, and also to the Librarians of the Gray Herbarium for their assistance in finding literature needed. The names of introduced species are in italics.

List of Stations

1. Indian Harbor and adjacent islands.
2. Black Island, Hamilton Inlet.
3. Double Mer—along the shores only.
4. Barrens north of Rigolet.
5. North side of the Narrows, from the mouth of Double Mer to the east end of Lake Melville.
6. South side of the Narrows, from opposite the mouth of Double Mer to the entrance to the Backway, both on the shores and the adjacent barrens and bogs.
7. The shores and neighboring terraces of Mulliock Cove.
8. Shores and adjacent territory at Carravalla Bay.
9. Along Mulligan's River, including neighboring barrens and mountains.
10. Shores at Northwest River.
11. Grand Lake, shores only.
12. Shores of the Nascaupee River.
13. Hamilton River, near Muskrat Islands.
14. Shores and portage at Muskrat Falls, Hamilton River.
15. Shores of the Kenemich River.
16. South side of Lake Melville, from Carter Basin to English River.
17. Barrens and mountains at English River.
18. Shores and barrens on the Backway.
19. Grass field at Mud Lake (Gillesport).
20. Shores at Sabascachew Bay.

LIST OF PLANTS

POLYPODIACEAE

Thelypteris Phegopteris (L.) Slosson....1, 14, 17
T. Dryopteris (L.) Slosson....4, 6
T. spinulosa (O. F. Muell.) Nieuwl....6, 17
Athyrium angustum (Willd.) Presl....17

OSMUNDACEAE

Osmunda Claytoniana L....17

EQUISETACEAE

Equisetum sylvaticum L., var. pauciramosum Milde....4
E. palustre L....12

LYCOPODIACEAE

Lycopodium annotinum L....12, 14
L. annotinum L., var. acrifolium Fernald....4, 9
L. annotinum L., var. pungens (La Pylaie) Desv....4, 6
L. alpinum L....7
L. obscurum L....9
L. complanatum L....12

PINACEAE

Abies balsamea (L.) Mill....3–20
Juniperus communis L., var. montana Ait....18

SPARGANIACEAE

Sparganium angustifolium Michx....9

NAJADACEAE

Potamogeton heterophyllus Schreb., var graminifolius (Fries) Morong....12

JUNCAGINACEAE

Triglochin maritima L....

GRAMINEAE

Hierochloë alpina (Sw.) R. & S....1
Phleum *pratense* L....14, 19
P. alpinum L....1
Agrostis hyemalis (Walt.) BSP....12, 14
Agrostis *alba* L., var. *vulgaris* (With.) Thurb....19
Calamagrostis canadensis (Michx.) Beauv., var. Langsdorfi (Link) Inman....1, 5, 6, 8, 11
Calamagrostis neglecta (Ehrh.) Gaertner, Meyer, & Scherbius 4, 5, 10, 12
Cinna latifolia (Trev.) Griseb....10, 14
Deschampsia flexuosa (L.) Trin., var. montana (L.) Parl...3, 6
Poa eminens J. S. Presl....5, 6, 9
P. pratensis L....5, 6, 14, 19
Glyceria nervata (Willd.) Trin., var. stricta Scribn....12
G. borealis (Nash) Batchelder....11
Festuca rubra L....5, 6
Hordeum jubatum L....12

Elymus arenarius L., var. villosus E. Meyer...1–3, 5–8, 10, 16–18

CYPERACEAE

Eleocharis palustris (L.) R. & S.....9
E. acicularis (L.) R. & S.....12
Scirpus cespitosus L., var. callosus Bigel.....1
S. rubrotinctus Fernald.....11
S. atrocinctus Fernald, var. brachypodus Fernald.....12
Eriophorum Chamissonis C. A. Meyer.....6
E. callitrix Cham.....4
E. gracile Roth.....10
E. angustifolium Roth.....1, 17
E. Scheuchzeri Hoppe.....1
Carex projecta Mackenzie (*C. tribuloides* Wahlenb., var. *reducta* Bailey).....12
C. echinata Murr., var. angustata (Carey) Bailey.....14
C. canescens L.....10
C. brunnescens Poir.....5, 6, 14
C. Macloviana D'Urv.....1
C. glareosa Wahlenb., var. amphigena Fernald.....5, 6
C. stipata Muhl.....12
C. maritima O. F. Mueller.....5, 6, 12
C. salina Wahlenb., var. kattegatensis (Fries) Almq.....10, 12
C. rigida Good.....11
C. lenticularis Michx.....10
C. rariflora Smith.....5, 6
C. miliaris Michx.....11, 14
C. vesicaria L.....10, 20
C. rostrata Stokes.....12

JUNCACEAE

Juncus trifidus L.....1
J. balticus Willd., var. littoralis Engelm.....14, 20
J. filiformis L.....10, 12
J. alpinus Vill., var. insignis Fries.....11, 12
Luzula spicata (L.) DC.....1

LILIACEAE

Clintonia borealis (Ait.) Raf.....14, 17
Smilacina trifolia (L.) Desf.....Common in all bogs
Maianthemum canadense Desf.....11–15, 17
Streptopus amplexifolius (L.) DC.....16, 17

IRIDACEAE

Iris setosa Pall., var. canadensis Foster.....1–3, 5–8, 16–18, 20
Sisyrinchium angustifolium Mill.....19

ORCHIDACEAE

Habenaria hyperborea (L.) R. Br.....15
H. dilatata (Pursh) Gray.....1

CRUCIFERAE
Draba incana L. 5, 6
Thlaspi *arvense* L. 19
Capsella *Bursa-pastoris* (L.) Moench 5
Cochlearia sp. (undetermined) 1
C. sp. (undetermined) 1
C. sp. (undetermined) 1
SARRACENIACEAE
Sarracenia purpurea L. 16
CRASSULACEAE
Sedum roseum (L.) Scop. 1
SAXIFRAGACEAE
Parnassia palustris L. 1, 16
Ribes prostratum L'Hér. ..... common everywhere
ROSACEAE
Pyrus dumosa (Greene) Fernald 17, 18
Amelanchier Bartramiana (Tausch.) Roem. 6
Potentilla monspeliensis L. 5–10, 16, 19, 20
P. palustris (L.) Scop. 5, 6, 8
P. tridentata Ait. 6
P. pacifica Howell. 1–9, 16–18, 20
Geum macrophyllum Willd. 15
Rubus idaeus L. 18
R. Chamaemorus L. 1–9, 15–18, 20
R. triflorus Richards 9
Sanguisorba canadensis L. 10–12
Prunus pennsylvanica L. f. 9
Dryas integrifolia Vahl. 1
LEGUMINOSAE
Trifolium *pratense* L. 19
T. *repens* L. 19
T. *agrarium* L. 19
Astragalus alpinus L. 1
Oxytropis campestris DC., var. caerulea Koch 1
Vicia *Cracca* L. 19
Lathyrus maritimus (L.) Bigel. . common on all salt and brackish shores, and on Grand Lake.
GERANIACEAE
Geranium *pratense* L. 10
CALLITRICHACEAE
Callitriche palustris L. 12
EMPETRACEAE
Empetrum nigrum L. ..... common on all barrens and rocky headlands.
VIOLACEAE
Viola labradorica Schrank. 1, 3

ONAGRACEAE

Epilobium angustifolium L. . . common everywhere west of Rigolet
E. latifolium L. 3, 9
E. palustre L. 8
E. palustre L., var. longirameum Fernald & Wiegand 8
E. glandulosum Lehm., var. adenocaulon (Haussk.) Fernald 8, 12

HALORAGIDACEAE

Hippuris vulgaris L., var. maritima (Hellen.) Wahlenb. 8

UMBELLIFERAE

Coelopleurum lucidum (L.) Fernald 5, 6
Angelica atropurpurea L. 1, 5, 6, 15

CORNACEAE

Cornus canadensis L. 4, 6, 9, 13
C. suecica L. 1, 5, 6
C. stolonifera Michx. 14, 17

ERICACEAE

Moneses uniflora (L.) Gray 4, 16
Pyrola minor L. 15
P. secunda L., var. obtusata Turcz. 14
P. chlorantha Sw. 14
Ledum groenlandicum Oeder . . . . . common on all barrens
L. palustre L. 1
Kalmia angustifolia L. 9–15, 20
K. polifolia Wang. 1, 3, 4, 6
Phyllodoce caerulea (L.) Bab. 4
Chamaedaphne calyculata (L.) Moench. 4, 6
Arctostaphylos alpina (L.) Spreng. 4, 7, 17, 20
Chiogenes hispidula (L.) T. & G. 4
Vaccinium pennsylvanicum Lam., var myrtilloides (Michx.) Fernald, ... common on all barrens
V. pennsylvanicum Lam., var. angustifolium (Ait.) Gray 4
V. uliginosum L. . . . . common on all barrens.
V. Vitis-Idaea L., var. minus Lodd. . . common on all barrens and mountains.
V. Oxycoccus L. 4

DIAPENSIACEAE

Diapensia lapponica L. 17

PLUMBAGINACEAE

Statice labradorica Hubbard & Blake 1

PRIMULACEAE

Primula farinosa L. 1
P. farinosa L., var. macropoda Fernald 11
Trientalis borealis Raf. . . . . common in woods everywhere.

GENTIANACEAE

Gentiana Amarella L. 3

BORAGINACEAE
Mertensia maritima (L.) S. F. Gray. 1, 3

LABIATAE
Galeopsis *Tetrahit* L. 18, 19
Mentha arvensis L., var. glabrata Fernald 12

SCROPHULARIACEAE
Veronica scutellata L. ..... ?
Castilleja pallida (L.) Spreng., var. septentrionalis (Lindl.) Gray 11
Euphrasia arctica Lange 1, 2
Pedicularis flammea L. 1
P. groenlandica Retz. 11
P. euphrasioides Stephen 1, 6
Rhinanthus Crista-galli L. 1

LENTIBULARIACEAE
Pinguicula vulgaris L. 1
P. villosa L. 1

PLANTAGINACEAE
Plantago decipiens Barneoud 20

RUBIACEAE
Galium trifidum L. 10
G. labradoricum Wiegand 10
G. triflorum Michx 15
Linnaea borealis L., var. americana (Forbes) Rehder. . common in all woods

CARIFOLIACEAE
Viburnum pauciflorum Raf. 9

COMPOSITAE
Solidago macrophylla Pursh 3, 17
S. macrophylla Pursh, var. thyrsoidea (E. Meyer) Fernald 9
S. lepida DC. 15
Aster foliaceus Lindl. 11
Erigeron acris L., var. asteroides DC. 19
Anaphalis margaritacea (L.) B. & H., var. occidentalis Greene. 14
Achillea Millefolium L., var. nigrescens E. Meyer. . common on all shores
Chrysanthemum *Leucanthemum* L., var. *pinnatifidum* Lecoq. & Lamotte 19
Artemisia canadensis Michx 13
Petasites palmatus (Ait.) Gray 12
Senecio palustris (L.) Hook. 1
S. Pseudo-Arnica Less. 5, 6, 20
Cirsium muticum Michx 15
Leontodon *autumnalis* L. 19
Taraxacum ceratophorum DC 1

T. *officinale* Weber 10
Lactuca spicata (Lam.) Hitchc. 15

HARVARD UNIVERSITY.

FALCARIA RIVINI, A PLANT NEW TO THE UNITED STATES

E. M. GRESS.

A COLONY of *Falcaria rivini* Host.[1] has been discovered on the farm of S. G. Myers about 4 miles south of Mercersburg, Franklin County, Pa. The colony covers an area about 10 ft. in diameter in the middle of a field of limestone soil.

Mr. Myers first noticed the plant about five years ago growing in the clover and timothy, but gave little attention to it until he noticed that the plant was not eradicated by the ordinary method off crop rotation which consisted of clover and timothy, followed by corn, this being followed by wheat.

A specimen of the plant was shown to Dr. John L. Bradley, a Veterinarian of Mercersburg, Pa., who noticed at once that the plant was not one of our common weeds. Dr. Bradley sent some specimens to the Bureau of Plant Industry at Harrisburg, for identification.

The writer accompanied by Dr. Bradley visited the colony on September 9th and found that the plants had been cut off about 8 inches above the ground by the binder when the wheat had been harvested, but that they had sprouted out from the cut stem. Some of the young branches were in bloom while others had passed the blooming period and contained immature fruits. We started to dig up the roots of one of the plants by using a large pen knife. We soon found that it could not be done with this instrument and Mr. Myers secured a mattock for the purpose. We dug as deep as we could with the mattock and then secured a post digger to finish the job. Everything went well until a large limestone rock was encountered through which we could not dig but through which the root seemed to find its way, probably through a crevice. We then cut the root off and measuring it, found it to be 35 inches long. The root was about

[1] *Falcaria vulgaris* Brnh., *Critamus agrestis* Bess., *Drepanophyllum sioides* Web. *Sium falcaria* L., *Bunium falcaria* Bieb., *Drepanophyllum agreste* Hoffm. & Koch. *Seseli falcaria* Crantz, *Crithmum umbelliferum* Bauh.