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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

from Fogg

May 8th, 1926.

Professor Merritt L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Massachusetts.

Dear Professor Fernald:

Recently I had the pleasure of seeing, in the hands of Dr. John M. Macfarlane, a copy of your paper on the Persistence of Plants in Unglaciated Regions of Eastern North America, published as a contribution from the Gray Herbarium. At the time Dr. Macfarlane gave me to understand that you were forwarding a copy of this report to the University for our Botanical Library. So far as I have been able to ascertain it has not been received by our librarian, altho it may have gone by mistake to the Main Library. I am writing, therefore, to inquire if it is still possible for us to procure it by some means.

My own great interest in your report is explained by the light which it throws upon the distribution of many of the plants that I had the opportunity of observing and collecting while in the Canadian Rocky Mountains and the Selkirk Range during the summer of 1925.

I refer to such things as Polystichum Lonchitis, Draba nivalis, Parnassia Kotzebuei, Saxifraga rivularis, Spilobium latifolium, Arctostaphylos rubra, Vaccinium ovalifolium, and Veronica Wormskjoldii as being just a few of the species of common occurrence in the Selkirks which you report also for Newfoundland. Some of these, like the classic cases of Dryas Drummondii and Adiantum pedatum, var. aluticum, are known but scarcely if at all from the great central reaches of our continent.

Engaging, too, is the story of the many circumpolar forms, such as Empetrum, Oxyria, Sibbaldia, Dryas integrifolia, Cassiope spp. and Phyllococe spp., which turn up again in Greenland, Iceland, Spitzbergen and elsewhere. And it is because of the splendid contributions which you are making toward an understanding of these problems that I am so keenly desirous of having your ^{close} paper at hand for further study.

I am,

Sincerely yours,

Gray Herbarium



Harvard University

S. L. ROBINSON, Curator
Asst Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
RUTH D. SANDERSON, Librarian
LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

May 11, 1926.

Mr. John M. Fogg, Jr.,
University of Pennsylvania,
Philadelphia, Pa.

Dear Mr. Fogg,-

I am sorry to find that through some oversight which I cannot explain, the copy of the paper on the unglaciated regions seems never to have been sent to your botanical library. I wrote Prof. Macfarlane early in December and supposed that the copy was sent, but there was a slip somewhere. I am now having one sent addressed to the Botanical Library, University of Pennsylvania, with your name in the corner of the envelope. I trust in this way it will surely reach you.

I am still very far from through with the working up of the collections which we brought back last year, since they involve many very difficult and technical studies, and just at present I am forced to a revision of the genus Urtica, practically every type of which has been misunderstood. Incidentally, since there are no good specific characters in that genus, the task is more difficult.

Very sincerely yours,

M. L. Fernald

MLF/FMG

from Fogg

May 22nd, 1926.

Professor Merritt L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Massachusetts.

Dear Professor Fernald:

I desire gratefully to acknowledge the receipt of your valued paper on the "Persistence of Plants in Unglaciated Areas of Boreal America." It arrived safely, in due course, and I have experienced a sincere delight in making its more intimate and extended acquaintance.

May I take the liberty also of telling you how keenly I am enjoying your recent Newfoundland account, which is appearing at present in "Rhodora?" It is a real treat.

Thanking you cordially for your immediate and generous response, I am,

Most sincerely yours,

from Fagg

June 22nd, 1926.

Professor Merritt L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Massachusetts.

Dear Professor Fernald:

A few days ago I received from Mr. Bayard Long detailed information concerning plans for the Newfoundland trip. I need not tell you, I think, that I am highly delighted at the great favor you have bestowed upon me by including me as one of the party.

The particular type of field work which you are doing has long constituted my highest ideal for botanical endeavor and I rejoice at the rare opportunity which is to bring me into intimate contact with you. I can imagine for myself no more stimulating or valuable experience.

Mr. Long tells me that you are making reservations from Quebec for August 26th. If these are to be paid for at the present time I should be glad to learn of my share of the expense in order that I might send you a cheque as soon as possible.

My address after this week, and up until August 15th, will be: Marine Biological Laboratory, Woods Hole. I shall, of course, be on hand for the Congress at Ithaca and shall make it a special point to get in touch with you there. I can arrange to meet you and Long in Boston, or anywhere, for the departure at any time which you designate.

In the meantime, if there is anything that I can attend to please do not fail to let me know. I can, if you think advisable, run up from Woods Hole to Cambridge for the day to talk things over at almost any time.

Assuring you of the keen interest with which I look forward to the pleasure of meeting you and working with you, I am,

Sincerely yours,

from Fernald

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Ass Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
RUTH O. SANDERSON, Librarian
IVAN M. JOHNSTON, Assistant
LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

June 28, 1926.

Mr. John N. Fogg, Jr.,
Marine Biological Laboratory,
Woods Hole, Mass.

Dear Mr. Fogg,-

Thank you for your letter of June 22nd. I am naturally very glad that you can join Mr. Long and me on the very short trip to Newfoundland. However, I think in the short time we have we shall get pretty concentrated experiences.

So far as I see, there is no need of your sending me any money in advance. I will make the preliminary arrangements and then we can settle up later on.

The schedule is so bad between Boston and Quebec that I have decided to take the boat at Montreal, leaving there the evening of Aug. 25th. That means that we should have to take the night train from Boston to Montreal the evening of Tuesday, Aug. 24th.

I shall return from Ithaca on Sunday, the 22nd, in order to get the trunks packed and into the train.

In regard to your personal equipment: all you need to take is your clothing and personal outfit, being sure to have a good battery of warm shirts and a change of strong trousers and shoes for bog and rock work, such as you may personally prefer. It is going to be chilly, in fact, will probably drop to freezing at night before we get back and the winds will be bleak. I will take all necessary equipment for collecting, including pressers, dryers and collecting boxes, and diggers, also

camping equipment, including sleeping bags enough for us all in case we should have to camp.

At present it looks as if I should have to be back by Sept. 20th, possibly a little earlier, but that I shall not know until the middle of July.

The best plan, I think, would be for you to come on to Boston, reaching here either Monday or Tuesday morning as you choose. If you care to come on Monday, come directly to the Gray Herbarium, and I can put you up over night at our dismantled house, if you do not mind sleeping in any kind of bed clothes we can find in the attic. Long usually comes that way and spends the night camping with me at the house.

Sincerely yours,

M. L. Fernald

MLF/FMG

Summer address: Harwichport, Mass.

From Fogg

M.B.L.
Marine Biological Laboratory, Mass.
Woods Hole, Mass.
July, 29, 1926.
July 29th, 1926.

Professor Merritt L. Fernald,
Harwichport,
Massachusetts.

Dear Professor Fernald:

Your kind letter of June 28th more than answered all my questions and made me more eager than ever for the time of departure. The concentration of experiences which you mention certainly adds to the attractiveness of the plans.

On my way out to Provincetown from here with some friends a week or so ago, I stopped off at Harwichport hoping to find you, and learned to my disappointment that you were not expected there for several days. We may be driving in that direction soon again and I shall take another chance, hoping for better luck.

I am still counting on being at Ithaca for the meetings. It occurs to me to wonder whether it would be possible or practicable for me to go directly from there to Montreal to meet you and Long on the 25th, when you will arrive. This, however, would necessitate my sending the small trunk which I am taking, to Montreal before leaving here for Ithaca, and there might be some hitch about the Canadian Express office holding it for me for over a week. Probably I would do better to adhere to the original plan of coming back this way and meeting you in Cambridge, altho I should be glad to know what you would advise in this matter. I should indeed be pleased to accept your invitation for "bunking-it" in Cambridge, if you consider that plan the better one.

Such leisure as my duties in connection with the Algas course here allow me I devote, as for the last three years, to collecting. The Elizabeth Islands have interested me greatly for some time and I have collected on them whenever opportunity offered. I am anxious to show you the list that I have tentatively compiled and to learn whether you consider the region worth a pretty careful working over.

Looking forward, then, to the pleasure of seeing you at Ithaca, or perhaps before, I am,

Sincerely yours,

U. of Pa.

October 5, 1926.

Professor H. L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Mass.

Dear Chief:

Now that the first turbulent spasm of academic reorganizing is over there is a little time to think about things botanical once more. I am gradually working around to getting out some duplicates for the Gray Herbarium and hope to have a lot ready for Dr. Robinson in the near future.

I have been looking over some of my British Columbia specimens, of last summer's collecting, with a degree of interest that is greatly heightened by this summer's experiences in Newfoundland. The relationship there is certainly striking. As promised I shall send you a series of my Selkirk things which may represent new localities.

The interest which you stimulated in me to know more of rock structure and physiographic formations has resulted in my arranging with the graduate school for a thoro-going course in petrography. This will enable me to procure a practical knowledge of crystallography and mineralogy (as prerequisites to a sound understanding of the structures of rocks) and will include work in the field on the various types of rocks and rock formations, to be followed by a study of the different soils to which rocks in their weathering give rise. I feel that this is going to be of incalculable value to me in future botanical field work.

My trip with you did another thing for me in that it has started me reading all that I can lay my hands on concerning northern floras and the general problems of distribution which they present. Stefansson's " The Friendly Arctic " is certainly not a botanical treatise, and yet I derived a singular gratification from a statement by its author that the low plains of northern Alaska were not only free from glaciers at a time when North America was covered by an ice sheet, but that the low-lying arctic lands in general have probably always been free from extensive glaciation.

I have been wondering what you plan to do about the photographs taken this summer. I should be more than glad to pay for a set of prints, and if you do not care to risk letting the negatives go thru the mail, perhaps you will be so kind as to have the prints made for me. On those pictures which I took on the serpentine ridge

it might be a good idea to place serial numbers; then I can identify the views and reply by number.

Bayard and I made a short excursion on Sunday morning to a dump close to my home and were reduced to collecting such specialties as Zea Mays and Cucumis Melo, var. ? in fruit. The dear boy has been living a bit too high since his return home and, as a consequence, has been a bit under the weather. For myself I may say that I find our home brand of boiled cabbage, potatoes, and the like, to be entirely too puerile to warrant serious consideration.

I really did leave my digging tool behind, and, accordingly, have written "Mrs. Sammy" an importunate plea to salvage same if found on premises. Have you yet been called upon by any of the Sheppard tribe? Don't despair; I'm sure they won't forget you.

I can not too sincerely thank you for your "Antiquity and Dispersal" paper. It is a masterpiece, and the perusal of it rendered the train ride from New York to Philadelphia what I thought it never could be, namely, a real pleasure.

Once more, even to the point of being effusive, let me express my keen appreciation of all that you have done for me and tell you how grateful I am for the opportunity which has been mine to come into such stimulating contact with you and your methods.

Most sincerely yours,

From Fernald

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Asst Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
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IVAN M. JOHNSTON, Assistant
LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Oct. 13, 1926.

Mr. J. M. FOGG Jr.,
University of Pennsylvania,
Philadelphia, Pa.

Dear Fogg,-

I am very glad indeed to hear from you and especially in regard to the work in Mineralogy which you are taking. I wish very much that I could be taking such a course myself since, as you say, it is an absolute prerequisite to the proper understanding of natural soils.

I am very sorry that the Newfoundland expedition could not have had better conditions both as to weather at the Bay of Islands and as to the connections, because as you know we accomplished only a very small part of what might have been done if things had worked a little differently. This becomes particularly evident in studying the Bay of Islands material, for the one outer island we visited is yielding results which fit in exactly as they should and if we had had conditions favorable to the exploring of the tablelands as well as the other two big islands, much more would ~~have~~^{be} been coming from the trip. For instance, the Danthonia which puzzled us on French Island is D. thermalis, described originally from Yellowstone Park. The Artemisia of the sea-cliffs is an undescribed species which we had from Anticosti and which Hall and Clements refused to take into consideration because they refused to make any new species! The Newfoundland Sporobolus is proving particularly interesting since it comes off from S. uniflorus on three ^{counts} the most significant being a tendency for the terminal spikelets to be

two-flowered. That is a bit dramatic, since all species of Sporobolus and in fact ~~all~~ the whole tribe of Agrostideae are by definition one-flowered. S. uniflorus was originally published by Muhlenberg as a Poa, unique in the genus by having one flower, but the Newfoundland plant is unique in the whole tribe as ^{often} two-flowered, and in this approaching Poa. As Johnston says, "There ain't no such animal", and we "ought to have destroyed the Newfoundland material!"

The summer films are at the photographers and they promise to finish them by the end of this week. I shall then send you and Long each a series of prints, and, as you suggest, will number those which you took and ask you to give me proper designations for them.

Thank you very much for your pleasant words about the summer's trip and also for the ~~blarney~~ about the paper on Antiquity and Dispersal: as a matter of fact I felt that I had served the subject properly and your letter is not alone in expressing satisfaction with the treatment.

Very sincerely yours,

M. L. Fernald.

MLF/EMG

By the way, the Newfoundland Relat makes it clear that we climbed the lower slope of Lark Mt., not South Head!

from Fogg

Jan. 9, 1927.

Professor M.L. Fernald,
Gray Herbarium,
Cambridge, Mass.

Dear Chief :

Many, many thanks for the kind Christmas greeting and for the set of photos enclosed therewith. If the latter was not to be construed as constituting a part of the greeting, then I still say, "Many thanks," but add, "Please let me know the extent of my obligation."

The pictures are very interesting and bring back a host of memories. We are in quarantine at home (my young brother having got Scarlet Fever for Christmas) and I am living in West Philadelphia, so that I have not my note-book handy to give the data on the "North Arm" prints. I shall do so, however, as soon as possible.

I was naturally disappointed that you did not get down to the meetings last week but consoled myself with the thought that you were having an uninterrupted and profitable time of it at the Herbarium. Bayard's talk was splendid ; the only real contribution to the symposium in which he participated.

Have you any reprints for distribution of your review of Campbell's "Plant Geography"? I enjoyed it immensely and crave a separate to use as a warning to some of my "ecologist" friends. Willis dies hard, doesn't he ? I have just been reading his effusion in a recent copy of the Quarterly Review.

I am working steadily on my last summer's stuff and should soon have a lot ready to ship up to Weatherby including local Penna., Md., and Del. things as well as a good series from Woods Hole and the Elizabeth Islands. I wish you would tell me whether you think that a "Flora" of these islands (something after the manner of St. John's " Sable Island.") could be worked up as a doctor's thesis, or whether I would do better to take up some piece of monographic work. I should prize highly your opinion in this matter.

Please give my best regards to Mrs. Fernald.

Sincerely yours,



THIS SIDE OF CARD IS FOR ADDRESS

Mr. John H. Toff, Jr.,
Botanical Laboratory,
Univ. of Penn.,
Philadelphia,
Penn.

CAMBRIDGE 38, MASS., March 15, 1927

2 cartons containing 42 nos.
of hfld. plants are just starting
by parcel post. A few groups
are still held for study.

M. L. F.

Cambridge, Mass.
March 15, 1927.

Dear Fogg:

I have been very remiss in not responding to your most sympathetic and kindly letters, and I am conscious that in January I had a letter from you asking my advice as to whether you should concentrate on a geographic or a systematic problem for your thesis work. The question is a slightly delicate one, but I will be perfectly frank.

My own graduate courses are primarily in geographic botany and Dr. Robinson's in systematic botany, although I am allowed to take on systematic students who are working on northern groups with which Dr. Robinson is not familiar. I cannot help noticing this slight difference, namely: that the theses worked up by my students, for instance, Fassett and Svenson, are often not acceptable to the Curator as Contributions from the Gray Herbarium, since from his view-point geographic work is only doubtfully scientific work, but all theses worked up by students working with him are most acceptable Contributions from the Gray Herbarium, even though they are done by men of very inferior quality.

This blank statement I make with the hope that you will take it as confidential, but naturally you should know that if you take up a geographic problem, you will have with me complete support and encouragement and that of many others, and will be doing something of large general interest, though merely tolerated by the head of the Herbarium. If you take up a systematic revision, you will be completely persona grata. Should you take up a northern group you could have your work largely with me if you wished, but if you should throw yourself wholly into the hands of the Curator to make a decision, you would find yourself turned into some genus of tropical composites to flounder as best you could with material collected by other people and never seen in the field by yourself.

Exact taxonomic ability gained only through the monographing of a considerable group is naturally fundamental to any other work, and I am coming more and more to believe that no good geographic or ecological work can be done unless the man is a trained systematist. Consequently, I suppose that a piece of revision work is really the best training, especially when the man has, as you have, a broad, general interest in other phases of botany and a keen appreciation of the geographic and ecological relationships.

I have your set of last summer's Newfoundland things all picked out, and just as soon as we can get at the mechanical detail of counting and packing, it will go forward to you.

My summer plans are wholly vague this year, and it is very improbable that I shall be able to get away for any considerable piece of botanical exploration. We are not, as yet, decided, however, whether the family will go as usual to Harwich, or whether we shall try some other direction.

Very sincerely yours,

M. L. Fernald

MLF/FMG

from Fogg

Philadelphia, Pa.
March 20, 1927.

Professor Merritt L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Mass.

Dear Chief:

The packages of specimens have arrived safely and already I have had immeasurable fun in going over a portion of them, which is all that I have so far had time for. I could scarcely make you realize what a priceless acquisition they constitute or with what feelings of keen gratification I shall see them incorporated into our collections here.

I am extremely indebted to you, also, for your frank statement concerning the situation with respect to the selection of a thesis. What you tell me does not come altogether as news to me, but I am glad to have it from you direct, and shall consider it carefully before making any move. I still cling rather fondly to the notion of working over the Elizabeth Islands, on which I have collected for the past 4 years and to which I plan to devote nearly all my time this coming summer. Incidentally, in working over my Ruppia from there, I find I have your var. subcapitata from a large pond on Pasque Is. I wonder if perhaps any more southern station for it since your Rhodora revision?

I have sent Weatherby a small set of Massachusetts things for the N.E.B.C., and shall have ready soon a more extensive series, mostly from the Islands. If nothing untoward occurs I shall, for a wonder, have worked over all my last season's stuff before another collecting year begins!

Are you still working over the Pots of the pusillus ilk? I was wondering if there was any of our material from here which you would care to see. If so, just say the word, and I'll ship it up to you. I have a young assistant by the name of Adams who designs to devote himself to the study of aquatics and who will doubtless be forwarding you material in the near future. He is eminently worth cultivating.

Among the Newfoundland plants, I note an Anaphalis margaritacea from which the label is lacking. I judge its number to be 467 since it occurs between 466 and 468 in the series. Maybe its our Lark Harbor specimen.

Thanking you a thousand times for your kind letter and
the s

from Fernald

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Asst. Gray Prof. Syst. Bot.
M. L. FERNALD,
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LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

March 22, 1927.

Mr. John M. Fogg, Jr.,
University of Pennsylvania,
Philadelphia, Penn.

Dear Fogg:

I am inclosing a label for the *Anaphalis*. This must have fluttered out during the packing, for Miss Anderson went over the whole series before it was packed to be sure no labels were missing, all of which shows how difficult it is to keep loose bits of paper from flying away.

I note with particular interest that you are planning to devote most of the coming summer to the Elizabeth Islands. It may be that I shall be in this general region through the summer, for as yet I have no positive plans, and, in case I am, I may invite myself to join you for a day or two in the exploration.

In regard to the *Ruppia*: so far as I know it has not been found anywhere to the south of the Elizabeth Islands. A mighty good study and one decidedly in touch with modern work would be a comparison of the flora of the Elizabeth Islands, the Buzzards Bay region and also Cape Cod, and especially a correlation with the quite different history of the glaciation and different moraines in that district. J. B. Woodworth, who has ^{prepared} a memoir upon the Pleistocene of the Cape Cod-Buzzards Bay region often told me before he died, that there were very definite lobes of the moraines which block off the country there, but I have never known just what they were, waiting for his memoir which I understand is buried in Washington and is likely to be published many years after we are all dead! However, I think that we could probably worm out through other people who were in contact with Woodworth the main features which would be important in correlating the distribution with the late Pleistocene history of the region.

Svenson was in to see me Saturday. He is having leave of absence next year and is planning to try to finish his work for the doctorate here, and will undertake, under my direction, a monographic study either of *Eleocharis* or *Scleria*, both of which he has long dabbled at and wanted to work at more closely. Another young man coming to finish his work for the doctorate is one of the French priests from near Montreal (Louis-Marie) who is working intensively upon the grasses and will tackle a piece of monographic work there. (Do not breathe this scandal to A.S.H.)

In regard to *Potamogeton*; I am just now trying to finish a revision of the *Pusillus* group which was simply begun as a part of my flora ten years ago. I found the current treatments inadequate and that I had to start anew, and unfortunately the idea got abroad that I knew something about the Pondweeds and I was flooded with requests to name other people's

to Fogg 22-III-1927

stuff, so that I now have before me material from the Philadelphia Academy, from the National Herbarium, Missouri Botanical Garden, Canadian Geological Survey and some other smaller collections and the specialties which I personally picked out from the Herbarium at New York Botanical Garden. I rather dread to borrow any more for the simple reason that I am overwhelmed with labeling these thousands of sheets each of which has to be studied intensively, but if you have any special problems on which you want light I shall be glad to do what I can for you.

Very Sincerely yours,

A. L. Small

MLE/FMG

Inclosure

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Asst. Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
RUTH D. SANDERSON, Librarian
IVAN M. JOHNSTON, Assistant
LESLIE C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

March 24, 1927.

Dear Fogg:

I am forced to relent, because, in citing the mass of specimens of Potamogeton obtusifolius I come to the material collected by Porter in brooks or runs in Dillerville, just outside Lancaster, on several dates in the 60's and distributed first as P. pusillus, afterwards as P. obtusifolius. This proves to be a perfectly distinct new species of the genus, peculiarly interesting because all other localized species are far to the north or in the outlying isolated spots; for instance, one in the river mouths going into Gaspé Basin; but the Dillerville plant is certainly a very strongly marked type, having little to do with P. obtusifolius and quite as little with anything else. The only things approaching it at all are certain Scandinavian hybrids of P. Friesii and P. obtusifolius, and since the former does not extend south to Pennsylvania and the latter is definitely known only from Wayne County, and incidentally the Dillerville plant is perfectly fertile and with a distinctive fruit, the latter cannot be called a hybrid.

I have written to Long asking him to rake over Porter's miscellaneous duplicates to see if there is more material, since in all the collections before me there are only 4 sheets. I shall, therefore, be very glad if you can take the time to get out your material of the Pusillus group including along with it P. Vaseyi and P. lateralis which belong to a wholly different section, but which are apt to be confused with the pusilloid species. In other words, all the species of the Manual from numbers 19-31 inclusive.

I am now busily citing up material, so that there is some hope that I should not have to hold your specimens many years, which has been the case with some of the other bog material, - the work which I began nearly a decade ago having dragged.

Very sincerely yours,

M. L. Fernald

MLF/FMG

from Fogg

Philadelphia, Pa.
March 29, 1927.

Professor M. L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Mass.

Dear Chief:

There goes forward to you today by Parcel Post a package containing the Potamogeton material asked for by you in your letter of March 24th. There are in all, according to our count, 46 mounted sheets illustrative of the groups designated by you so far as they are represented in our collections. In addition, there are a couple of sheets of P. hybridus from my Woods Hole series to show what this species does there when the pond dries up.

The package also contains 34 specimens of J.W. Adams' collecting, which should be credited to the University exchange list, and which I wonder if you will be good enough to turn over to Weatherby upon his return to the Herbarium. Adams is especially eager to have you look at the Pots which his lot includes (Nos. 14, 386, 397 and Dreisbach 1854 in particular) and let him know thru me what you think of them. He is quite keen about the genus and wants a few well-marked milestones as guides. I need not tell you, I think, how happy we shall be to receive your comments on any of our material that seems to warrant notice.

The Dillerville business certainly sounds exciting. It's a queer neck of the woods anyway; always has been. Adams and I are planning a trip out that way as soon as things open up, altho, as Long has doubtless told you, we fear the locality has been sadly altered.

I have to thank you for the Anaphalis label, which arrived safely, and the 1924-25 Newfoundland reprint, which I am very glad indeed to possess; it surely makes great reading.

I am intrigued by the possibility which you suggest of your being able to accompany me this coming summer on a trip or trips to the Elizabeth Islands. Please know that I should be delighted to have you whenever you found that you could make it. Concerning Woodworth's unpublished paper, Dr. True told me today that he knows everyone in the Geological Survey at Washington, and does not in the least doubt that he could arrange to procure the MS. for us to read if we so desired.

Most sincerely yours,

Philadelphia, Pa.
March 30, 1927.

Dear Chief :

The collections of freshwater algae which I made in Newfoundland last summer have proved so interesting upon examination, that W.R. Taylor, who identified the stuff for me, urged me over a month ago to collaborate with him in writing up a little report of the region visited and the forms collected. I enclose herewith our joint effort in MS form.

There are two reasons why I want you to see this paper before it goes to the editor of Rhodora. In the first place, I have purposely refrained from making any mention which would identify the expedition with you or with Gray Herbarium. I have done this from the feeling that the first published mention of the trip should naturally come from you, and also because I felt that you might not care to have the Gray Herbarium Expedition seem to sponsor a report the subject matter of which was foreign to its main objective. If, however, you should desire such a statement to be made, say in the opening paragraph, you could either insert it yourself or return the MS to me for correction.

In the second place, you will observe that I have indicated, for nearly every locality, a few of the outstanding flowering plant forms, with a view to rendering more intelligible to algologists, as well as others, the general character of the vegetation in the region discussed. If this is in any wise objectionable to you, please do not hesitate to delete such references. I know that you will publish on the areas visited, and do not wish in any way to anticipate you or seem to steal your thunder. I have merely desired to convey some idea of the commoner things characterizing the stations from which algal collections were made. Incidentally, is it not interesting that the south coast, which we found so sterile, should have yielded such a rich and noteworthy algal flora ?

Finally, if this little paper meets with your approval, would you be so kind as either to turn it over to the appropriate editor of Rhodora or return it to me so that I may so submit it ?

Very sincerely yours,



B. L. ROBINSON, Curator
 Ass. Gray Prof. Syst. Bot.
 M. L. FERNALD,
 Fisher Prof. Nat. Hist. (Bot.)
 CHARLES A. WEATHERBY, Assistant
 RUTH D. SANDERSON, Librarian
 IVAN M. JOHNSTON, Assistant
 LESLEY C. BROWN, Bibliographer
 LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

April 1, 1927.

Dear Fogg:

I have your paper on the fresh water algae and naturally it is welcome fodder for Rhodora. Singularly enough, during the last two weeks we have had, besides this paper, a very long one on lichens, another one on Myxocetes and another treatment of the American species of a group of fungi: rather a large cryptogamic contribution for the lay reader!

Before turning your paper in for publication, there are one or two points which it seems to me might be clarified. In the first place I have inserted Long's and my names as members of the party at the first, since naturally we wish the reflected glory of being along with you, and since the results on vascular plants were so comparatively small I have no thought of writing a special report. The points I have particularly in mind are, that while you say in the introductory paragraphs that several of the plants are like those of British Columbia or of arctic Scandinavia, and later speak of some of the species of the Burgeo region as previously unknown north of Massachusetts, you nowhere give what to most people would be interesting, I think, an intimation that these identities are coordinated with those of the vascular plants already pointed out (as it happens in my own papers). Do you mind if I had in these two places phrases to coordinate this occurrence with what has already been shown in regard to the vascular plants?

To save corrections on the proof, I should like to know before the article goes in what "S" stands for in one place. You start off the paragraph by talking of Stignema and Scytonema, and then speak of the genera Zygnema, Spirogyra, Mougeotia and Tribonema, then after a comment or two, speak of S. panniforme. For the sake of the uninitiated, it would be desirable to spell out the latter generic name. I am personally a little puzzled as to which of the preceding genera it refers to, though I assume to Spirogyra.

With your permission I shall add one or two interesting vascular plants to your lists, for instance, on French Island Saxifraga aizoides and S. oppositifolia; also if you do not object, the fact that French Island is of trap rock, Woody Island of quartzite.

I am looking forward to the receipt of the pondweeds, and I am glad that there are not too many of them as I already have many thousands of sheets to visé and label, and while the latter process is tedious the former process is almost as monotonous, for the characters are so technical that one cannot merely by quick glance say which species the plant belongs to.

MLF/FMG

Very sincerely yours, M. L. Fernald

Philadelphia, Pa.
April 3, 1927.

Professor H. L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Mass.

Dear Chief :

A thousand thanks for your kind letter of April 1 and the helpful suggestions contained therein. I am happy to learn that you consider our insignificant contribution worthy of acceptance for publication and delighted that you consent to identify yourself and Long with it.

Also, I am highly pleased to know that you will append some remarks correlating the significant facts of algal distribution with those of the vascular plants. I suppose Taylor did not consider the data sufficiently comprehensive to warrant such a generalization for the freshwater flora, and, for my part, I did not feel competent to draw even such conclusions as seemed obvious on the face of things. So, we are both indebted to you for your interest and your willingness to contribute those observations which make a thing of this sort really worth while.

As to S. panniforme : I, too, had noticed the ambiguity of the "S" in Taylor's original copy, but had likewise convinced myself that it referred to Spirogyra, and so neglected to call his attention to it. He tells me, however, that it refers to Stigonema (the last thing one not knowing would guess) which should, of course, be inserted before panniforme to render the reference generally intelligible. Thanks for catching this.

Please do not hesitate to make such additions or qualifications as may seem to you to be advisable. I only hope the thing has not proved too much of a bother to you.

I trust that you will not let our pondweeds constitute too great a chore. Much as we should treasure your critical evaluation of the material, please do not feel obligated to examine more than the pertinent forms.

Most sincerely yours,



THIS SIDE OF CARD IS FOR ADDRESS

Mr. Jakob H. Taff, Jr.,
Botanical Laboratory,
Univ. of Penn.,
Philadelphia,
Penn.

CAMBRIDGE 38, MASS., Apr. 9, 1927

In getting copy ready for printer I find your reference to "the interesting arctic moss, Sphagnum Pyraeii". This I have taken the liberty to change to: the interesting moss of Atlantic America and France, Sphagnum Pyraeii; thus using the original spelling & putting the Sphagnum geographically where it belongs (See A. A. F. H.). It is much more interesting so, as a companion of Schizaea, Baobab and Microrhiza arctica & spanna!

Hastily,
Th. L. F.

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Ass Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
RUTH D. SANDERSON, Librarian
IVAN M. JOHNSTON, Assistant
LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

April 29, 1927.

Mr. John M. Fogg, Jr.,
Botanical Laboratory,
University of Pennsylvania,
Philadelphia, Pa.

Dear Mr. Fogg, -

I am afraid I was in too much
of a hurry when I wrote you for I
neglected to say the copy of "Persistence
of plants in unglaciated areas" was being
sent you. Probably by now you have
received it. Prof. Fernald wants you
to have a personal copy as a gift
and he thought he had sent you one.
He was mistaken though.

Therefore I have to return your
check again for Prof. Fernald particularly
wants you to have this gratis.

Yours very truly,
Ruth D. Sanderson

(from tags)

Philadelphia, Pa.
May 7, 1927.

Professor M.L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Mass.

Dear Chief :

The copy of your " Persistence " paper arrived safely and I surely appreciate your wanting me to have it. You sent this paper to us last year for our Departmental Library, and, tho I made extended personal use of it, I have long desired a copy of my own. So, please accept my most sincere thanks for your kind generosity.

It has occurred to me that I never sent you the necessary information concerning the snapshots which Bayard and I took along the North Arm, Sept. 4th. There are four numbered prints among the set which I received from you at Christmas time, and the data which should accompany them are as follows:

- #1- Looking East across North Arm from top of Serpentine Ridge. (Note cirques.)
- #2- Bay of Islands, looking SW from Serpentine Ridge along North Arm. N.A. in right foreground, then Breast Point, Eagle Is., Woods Is.
- #3- Same as #1, from half-way up Ridge.
- #4- Hills at foot of Serpentine Ridge, looking N. Fishermens' huts (Winter Herring Fleet) along North Arm in foreground.

I am sorry more of the views which I took did not turn out. I claim no talent as a photographer.

Please do not forget your promise to help me botanize the Elizabeth Islands this summer.

Most sincerely,

from Fogg

Philadelphia, Pa.
June 19, 1927.

Professor M.L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Mass.

Dear Chief:

I am sending off my application to the Graduate School office at Harvard. My plan is to come up there next Autumn and establish a year's residence, working off the required number of credits (if they'll accept my two year's work in the Graduate School here in addition) and starting work on my thesis. If I am unable to finish everything up for my Doctor's degree by the Spring of 1928, then I shall have to return here the following Autumn, resume teaching, continue working up my thesis (keeping closely in touch with you the while) and hope to take my degree in February or June, 1929, from Harvard. This plan has Dr. True's sanction, is indeed largely of his suggesting, and if you foresee any serious objection to it I wish you would let me know soon.

I have not forgotten what you told me about conditions attending research work at the Herbarium but am still determined to do my thesis work with you, if you will have me. I should like therefore to have a talk with you as soon as possible, in order to hit upon a plan of action. If the Elizabeth Islands project, upon which I aim to spend the next three months in the field, does not shape up in your estimation, then I want to start at once thinking about something else. I leave in two days for Woods Hole. If you could let me know there, c/o M.B.L., something of your summer schedule, I could then arrange to go either up to Cambridge or out to Harwichport to have a session with you. Do not forget that I am looking forward to having you visit the Islands with me this summer.

Would it be necessary or appropriate, I wonder, for you to drop a line to Dr. George W. Robinson, who sent me my application blank from The Graduate School Office, concerning my acceptability as a student? You will know better than I whether this is advisable.

Hoping to hear from you at Woods Hole, I am,

Always sincerely,

from Fernald

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Ass. Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
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IVAN M. JOHNSTON, Assistant
LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

June 24, 1927.

Mr. John M. Fogg, Jr.,
Marine Biological Laboratory,
Woods Hole, Mass.

Dear Fogg:

I am indeed delighted to know that you have arranged to come here next winter to work on your Elizabeth Island problem. We shall naturally do everything that we can to make the year profitable, and personally I am entirely certain that you have a good subject and will get a great deal out of it. Your plan seems to me the right one, for in one year here you certainly would get your matter far enough along so that you could finish off more at your leisure if you find that one winter is not enough to complete the thesis as you wish.

There is going to be a good handful of advanced students working with me so far as I can see, for I already have accepted Svenson, Father Louis Marie, Lyman Smith and two Radcliffe students, while young Stebbins will be working on a new edition of the Flora of Mt. Desert Island and two of my this year's students will have returned from the outer cliffs of Gaspé and will be working up their results.

My own plans for the summer are wholly indefinite except that I have agreed to stay near by. Mrs. Fernald and I will be moving to Harwichport some time early in July and the two children will spend July at camps in Brewster. I shall probably not get about very extensively as I shall be needed at home running the garden and doing a

lot of local botanizing. As soon as I can foresee some definite dates I will get in touch with you at Woods Hole, for I shall naturally like to get over to the Elizabeth Islands with you, at least to know what the country is like from my own experience.

Very sincerely yours,

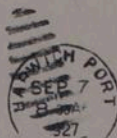
Dr. L. Fernald

MLF/FMG



THIS SIDE OF CARD IS FOR ADDRESS

M. John H. Fogg, Jr.
M. B. L.,
Woods Hole,
Mass.



THIS SIDE OF CARD IS FOR ADDRESS

M. John H. Fogg, Jr.,
~~M. B. L.,~~

6607 N. 10th St. ~~Woods Hole,~~
Philadelphia ~~Mass.~~
Pennsylvania -

Harwich post, Monday,
Aug. 15
Won't you join me - as my guest - for
Thursday noon - Friday pm. at Willfleet.
Take 9.12 (10.12) Am. train from
Buzzaud's Bay Thurs. & I will get aboard
at Harwich. Will have a 2^d - collecting
box for you. Return, leave Willfleet
Friday pm. reaching Wood's Hole at 6.1 pm.
Let me know by card whether to expect you.
Am now going to Camb., to be back Wednesday - M. & T.

Harwich post, Sept. 6
Dear Fogg:
It has been hard to make plans far ahead,
I have to go to Camb. today but shall be back by
Thursday. Unless you hear from me to the
contrary by telephone, I will be on hand (rain
or shine) Saturday morning next at 10.30 am.
at the Roulerville post office. I may possibly
bring Katharine & Henry who are interested in
botanizing. I will bring lunch for everyone -
If this is not O.K., let me know.
Yours sincerely, J. S. Townsend

from Fernald

Harwichport,
Aug. 3, 1927

Dear Fogg:

Just a word, while waiting
for the station bus, to say that
I should like to join you for a
couple of days - anytime next
week after Monday - for a look
at the Elizabeth Island. We
were very much delayed in getting
here - having suddenly decided
to put the two children into camps
for the summer - which meant
much special preparation for them.
Then A. L. R. is in Europe &
I find that Acting Curator on top
of my own work makes a great

to Fogg 3-IV-1927

deal of a load. Just now
I am going to Camb. to attend
to accumulated business of
the past two weeks and to see to
a batch of Rhodora proof. I shall
be back Saturday night & shall
look then for word from you
as to when you want me to appear
at Mass. Hall & whether you
can find a corner for me to put
up - Be sure to select
good weather!

In haste, Very sincerely yours,
M. G. Hernal,

6607 North 10th St.
Philadelphia, Pa.
Friday, Sept 9th.

Dear Chief:

Due to a situation here at home which seemed to warrant my return earlier than I had planned, I left Woods Hole on Wednesday and got back to Philadelphia yesterday. Imagine, then, my consternation and chagrin, upon arriving home from the University this evening, at finding your postal, which had been forwarded from the M.B.L. by Anne Hof.

I am keenly disappointed and most contrite, for I feel that I should have informed you of my sudden departure from the Hole. I sincerely trust that my telegram of an hour ago arrives in time to save you any inconvenience and uncertainty concerning my whereabouts tomorrow.

We are faced with the prospect of moving from our present location here in Oak Lane, and doing it promptly. Mother therefore felt that she needed me at hand to superintend the packing of my numerous books and other impedimenta. That made my last few days at W.H. a very frantic period, and many things which I should have done were left undone. I had it on my mind all along to drop you some word of my change of plans, but somehow neglected to do so.

I have shipped up to Gray Herbarium 2 boxes of Elizabeth Island plants by prepaid Express, and have written asking that they be held until my arrival. I had to leave several collections still in press at W.H., so my present thought is to run down to the Hole early in October from Cambridge, collect some of the late groups (Aster, Cuscuta & Pyrus fruit, etc.) and pack up all my stuff for shipment to Gray.

You may be interested in learning that I not only succeeded in finding Hydrocotyle Canbyi again on Naushon but also turned up what I take to be undoubted H. verticillata well established at 3 stations, 1 on Nonamessett and 2 on Uncatena.

Unless you hear to the contrary from me I shall arrive in Cambridge about Sept. 20th, as I want a little time in advance to find and get established in a room somewhere.

Most sincerely,

from Fogg

M.B.L.
Woods Hole, Mass.
Aug. 1, 1928.

I am very glad to hear that you are well and hope you will have a very successful season. I have been very busy with the Gray Herbarium and have not had time to write you more often. I have been very busy with the Gray Herbarium and have not had time to write you more often. I have been very busy with the Gray Herbarium and have not had time to write you more often.

Work here has been going slowly, due to preponderance of wet cold weather. We have had more fog and rain than ever and, until this past week, fine days have been few and far between. I had two good days on Mashawese last week, however, putting up at the farmhouse there, and exploring the island from end to end. I succeeded in corroborating a good many of Mrs. Northrop's records, altho Habenaria bracteata, Arctium, Rumex verticillatus, Stanunculus reptans, Coptis and a few others are still at large. One of the most interesting finds was a large area of Skunk Cabbage at the west end of the island. This, I think, is not common in southeastern Mass.; am I right? I came home by way of Cattyhank, where I had the good fortune to find a robust patch of Onchioglossum while waiting for the boat to New Bedford. This is new to the islands, and, altho, not particularly exciting, I was glad to get it. I am concentrating on critical groups and hope to have a much better understanding of some things before the summer is over.

I was sorry to learn from Johnston that you have been delayed in leaving Cambridge, but you certainly have missed much moist, cool weather. I should be glad to know when you count on reaching Harwichport (perhaps you are already there) and what chance you think there is of our getting together for some botanizing, either on the Cape or the Vineyard. We have a car here this year and I shall be at your disposal almost any time. Are you still interested in Centreville?

Another thing: when you finally get settled at Harwichport, I should like to have you run up to Cambridge for a few days. I have been thinking of sending you some plants, but I have not had time to do so. I have been thinking of sending you some plants, but I have not had time to do so. I have been thinking of sending you some plants, but I have not had time to do so.

W. B. N. S.
Wood's Hole, Mass.
Aug. 1, 1891

I can not let this chance pass without telling you, as I was unable to do the day I left Cambridge, how extremely much I enjoyed and profited by my year at Harvard and what an essential part you played in making it the most wonderful and successful year I have ever spent. The stimulus that I gained from my contact with you can not be measured in any material way nor can my appreciation be expressed in mere words, but I know that in the years to come I shall look back upon my winter in Cambridge as a kind of Golden Age shedding its influence upon anything worthwhile that I may accomplish.

Please remember me to Mrs. Fernald. The children, I suppose, are in camp and must be enjoying themselves immensely. With every good wish that the summer which has had a slow beginning will yield great things, I am, as ever, yours very sincerely,
John Torrey

I was sorry to learn from Johnson that you have been delayed in leaving Cambridge, but you certainly have missed much of the cool weather. I should be glad to know when you count on reaching New Bedford (perhaps you are already there) and what chance you think there is of our getting together for some botanical work on the Cape or the Vineyard. We have a car here this year and I shall be at your disposal almost any time. Are you still interested in Centerville?

Another thing when you finally get settled at New Bedford, I have to run up to Cambridge for a few days in the middle of October and then for a few days in the middle of November. I have been all over the Cape and Vineyard in the last few years and I would care to have you in either place for a few days. I am sure. If there is an opportunity open, I should probably come up with Johnson last to New Bedford.

Harwichport,
Aug. 6, 1928

Dear Fogg:

At last we are here. Maynard
had a long spell with the dentist,
so I settled down to write up the
Pats. some more - the Hykinki
took all the time I could get in
July, often a week to a species.
The names got much switched:
P. Spirillus Tuck. comes back for
the northern large-fruited plant, the
"P. dimorphus" of Bennett, among
others; P. dimorphus goes under,
being really the same as P. capillarens
Poir. (The Coastal Plain plant with
linear-serrate leaves which has

been erroneously joined as P. lythidis
 & P. diversifolius. P. diversifolius
 is a southern plant, chiefly of the
 Miss. basin, but coming northeast
 to E. Penn. and western Long Isl.
 Then there is a new sp., P. bicupulatus,
 with remarkable deep crateriform
 or cirque-like sides to the fruit,
 Alleghenian, from W. Vermont &
 Schuyler & Franklin Cos. Penn. to western
 Tenn.

I am writing now to say that Fernald
 & I have a scheme to capture you
 for the coming Thursday, the 9th.
 We are going to join each other at
 Tremont, en route to New Bedford, there
 to get a boat (or F) for the day to
 hunt for Hervey's station for
Habenaria cristata on Smith's Neck.

Fernald to Fogg 6-VIII-1928

We both hope (in fact are counting
on your acceptance) that you will
feel like joining us. Griscom will
come from Boston on the 7.30 ^(Stand) (last)
train, reaching Tremont 8.48 (or
9.48). The plan is for us to
join him there & go on to New Bedford.
If by good luck you can use your
car, all the better! If not then
by train to N.B. That means
early starts, & I thought I should
go from Hyannis on the first train
& wait (an hour or so) at Tremont.
That train caught me at Trem at 7.29
(8.29). You will have to get the 6.15
to connect. Is that O.K.?

We will then gossip & I want
to hear more about the Washburns

to Fogg 6-VIII-1928

trip. And don't forget to tell
me how Little Fire weed got
along.

With kind regards to your family,

Very sincerely,
Yours,

M. L. Fernald



B. L. ROBINSON, Curator
 Ass. Gray Prof. Syst. Bot.
 M. L. FERNALD,
 Fisher Prof. Nat. Hist. (Bot.)
 CHARLES A. WEATHERBY, Assistant
 IVAN M. JOHNSTON, Assistant
 RUTH D. SANDERSON, Librarian
 LESLEY C. BROWN, Bibliographer
 LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Sept. 27, 1928.

Dear Fogg:

The inclosure suggests that they wish a change of address at New York. This also reminds me that it would be appropriate for you to write to Dr. Austin W. Gheever, Secretary of the New England Botanical Club, ^{492 Commonwealth Ave., Boston} asking to be transferred back to non-resident membership in the Club, provided you do not care to retain the resident membership.

As you can imagine, we are just starting in with this year's work, and as yet don't know just where we are. Botany 7 started yesterday with seven students, and there are seven enrolled for Botany 10 and two or three in 20, including Bacigalupi, who is a very attractive Italian from Stanford University, and Morton E. Peck, already an experienced man in the Northwest. Seven of the men who took Botany 7 last year are going on, a very gratifying proportion from a class of 12, but absolutely nobody shows up from Radcliffe, which is a come down after last year's full courses.

I haven't yet looked into the material which you left here and don't even know whether it contains the joint collection from Gay Head. I have sorted my own stuff far enough to be pretty sure of a new species of *Calamagrostis* from Harwich, a plant which baffled me in the field, and Svenson and I probably got a new species of *Xyris* at Onset. We also had a thrilling day in the estuary of Agawam River collecting exsiccatae sets of *Elatine americana*, *Bidens laevis*, and plan to go back for sets of *Tillaea*, *Isocetes riparia*, *Callitriche* sp., *Bidens hypoborea* var., a queer *Eleocharis* and some other things. Already having the following, we satisfied ourselves with chunks of turf of *Liliaeopsis* and of *Eriocaulon Parkeri*. We have only touched the estuary and it is bound to yield a lot more.

Bishop is just back with a tremendous bulk of material which has not been opened up, and Pease's little grabs from his Ford in going around Gaspé yielded from one station certain things we already had from single stations in the East, and also *Draba oligosperma* of the Rocky Mts, new to the East. The connotation of the specific names from that particular spot is ceratinly striking. Besides the *Draba*, *Arabis Holboellii*, thr second station outside Greenland; *Descurenia Hartwegiana* and *Cerastium Fischerianum*.

No more just now, Let us hear from you when you have time.

With kind regards from all here,

Sincerely yours, M. L. Fernald

MLF/EMG
 Inclosure

Svenson & I have just come in from collecting class material for tomorrow. Found
Paspalum straccum

Fogg to Fernald

Philadelphia, Pa.

Oct. 2, 1928.

Dear Chief,

It surely was good to hear from you and I have read and re-read your letter with a great deal of enjoyment. I had already notified the N.Y. Acad. Sci. of my change of address; but now have done so again; we'll see. Also, I had been meaning to write and ask you whether it would appear ungracious in me to request that my active membership in the Botanical Club be transferred back to the non-resident variety. Following your suggestion, I have just written to Cheever asking that this be done.

You certainly have two good men in Botany. Bacigalupi at Ithaca and found him very keen. Peck also has considerable ability. I am tied down with Botany 1 this term for nine hours a week, and next term shall present my new course on the Origin and Problems of the Philadelphia Local Flora; already quite a few signed up for it.

Agawan sounds more than exciting. I have often wondered what was back in there, and now we're finding out! Has Svenson succeeded in finding a place yet? It sounds from your letter as tho you had discovered a way to keep him there.

My last few weeks at the Hole were indeed busy ones as I tried to spend every possible minute in the field, both on the islands and around the Falmouth and Sandwich ponds. Nothing exciting, so far as I know yet, except possibly Proserpinaca pectinata from a new station in Falmouth, and Leptochloa fasciculata from Naushon. What, please, is the status of the latter in SE Massachusetts? I have no record of it from going thru the Club material from Cape Cod. Conn. Flora says "rare" and gives 4 stations.

I have in mind writing a brief note on the Occurrence of Tipularia in New England, on the basis of the Martha's Vineyard and Nashawena specimens. However, this belongs as much to you as to me, and I'll turn it over gladly-or we can do it together; I thought simply that it was worthy of mention. Also, I hope to send in before very long my little series on Noteworthy Plants from Falmouth, Ditto from M's V., Ditto from Eliz. Ids., if these will still prove acceptable.

I have an advanced student who is wavering at present between Hydrocotyle and Helianthemum. I'll let you know later which way she jumps.

The material that I sent up to Gray is all labelled on the outside, if I recall correctly. One box contains three exsiccatae sets and Bowman's St. Lawrence stuff. The Gay Head material is in a separate parcel, I believe.

1891

Your report of work in the Northeast this summer sounds thrilling indeed. Pretty soon you'll have all the botanists from Siberia, Scandinavia and Greenland over here studying their own species!

I am glad to hear that you have not had to go back from the north. I am trying to encourage you to have another look at Dillerville, but I suppose it's hopeless.

Best regards to your family and everyone at the Herbarium. As for yourself: if I mistake not, you are due for a birthday along about Friday of this week. Permit me, please, to offer heartiest congratulations and a wish that you may be spared to carry on the great work for many, many years to come!

Very sincerely,
W. H. Ravenel

I have often wondered what you were doing in the field, and now we're finding out! It was a success in finding a place for it. I had discovered a way to keep him there.

My last few weeks at the Herbarium were indeed busy ones as I tried to spend every possible minute in the field, both on the islands and around the Vermont and Canada ponds. Nothing exciting so far as I know yet, except possibly potamogeton from a new station in Vermont, and leguminosae from the same station. This from Vermont. What, please, is the status of the latter in Massachusetts? I have no record of it from either the Club material from Cape Cod, Conn. or any other stations.

I have in mind writing a brief note on the occurrence of Trigonotis in New England, on the basis of the Vermont, New York and Massachusetts specimens. However, this belongs so much to you as to me, and I'll turn it over to you if you wish. I thought simply that it was worthy of mention. Also, I hope to send in before long my little notes on Motacilla from Vermont, New York, and New Jersey. I'll let you know later which way the jump.

I have an advanced student who is working at present between Hydrocotyle and Helianthus. The box contains three extra copies of the notes and a separate parcel, I believe, in a separate parcel. I believe the material that I sent up to Gray is all labelled on the outside. If I recall correctly, one box contains three extra copies of the notes and a separate parcel, I believe, in a separate parcel.

from Fogg

December 8, 1928.

Professor M.L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Mass.

Dear Chief:

Please accept my thanks for your kindness in sending me copies of your "Unverified Ranges" and Oxytropis-Anemone papers. They arrived safely and have lain unacknowledged entirely too long.

I wrote you in October that I had a student who contemplated going into Helianthemum. She has done so and is getting rather interesting results. I started her right in on seed measurements and she has already progressed to a stage where she can discriminate between the four common species merely on the basis of seed size, number and markings; propinquum goes with Ricknellii and dumosum with canadense on seed, as well as with vegetative characters. She has spotted some plants in the field in cleistogamous condition which she intends to follow up in the Spring when the chasmogamous flowers appear. Later on I think we shall want to borrow some material from Gray, if that be possible, but for the present we have our hands full here with Academy stuff.

If I remember correctly, I asked you earlier whether you thought a short note on Tipularia in New England would be in order. I have the facts in hand, but shall be glad to turn them over to you if you so desire, for it was you who unearthed the sheets at the Boston Society from Martha's Vineyard.

I am getting on fairly well with my summer's material, but there are more puzzles all the time - naturally. I have been fooling with an Andropogon virginicus with very hairy leaves. So far have found no material to match it, tho it may be common.

Do you plan to attend the Christmas meetings? I shall probably take advantage of the occasion to go to New York for several days, but will spend most of my time at the Gardens, where I still have much to do.

With best wishes to yourself and the family, I am,

Most sincerely yours,

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Ass. Gray Prof. Syst. Bot.

M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)

CHARLES A. WEATHERBY, Assistant

IVAN M. JOHNSTON, Assistant

RUTH D. SANDERSON, Librarian

LESLEY C. BROWN, Bibliographer

LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Dec. 8, 1928.

Dear Fogg:

The committee on Floral Areas in New England has just turned in a report covering Panicum, and this reminds me to inquire whether you have yet worked out the dense-panicled and very striking plant you got on one of the Elizabeth Islands? If so, it would be very nice if they could include it in the list of species discussed, although, naturally, it would be undesirable to take any of the thunder away from your own publication about it later on *or accidentally or before*.

Another matter: I am not sure whether you are thinking of coming up for the doctorate next June. If so, your formal application for an examination has to be by January 15th, and incidentally, I have to present a statement to the Division Committee in regard to the preparation, amount of graduate study and the fields covered by courses before that time.

The note on Panicum longifolium is on file to be taken up along with other manuscript by the new Rhodora board which is beginning to function (besides myself, J. F. Collins, Weatherby, Griscom and Dodge), but it is very welcome, of course, and we hereby ask for more such items!

During the Autumn Svenson and I did heroic work with the pondweeds right up into the last of November, collecting autumnal and winter stages of many species which had never been known to produce such strange winter shoots and buds. Incidentally, we collected 100 sheets for Exsiccatae of Callitriche stagnalis (heretofore not recognized in North America) from the rivers in the eastern part of Falmouth, where the species is very abundant. On one of those trips to Falmouth we investigated a quagmire which had not been looked at before, and found it full of an apparently new Stachys. Then we poked into Svenson's bog, where Aster nemoralis grows, and found that the thicket was almost exclusively Rhodora. So it is obvious that there is a lot of work to be done in Falmouth!

The labels for our summer's collecting are in the hands of the printer and I already have last year's things labeled up and a set ready to go to you, but I thought it would be just as well to wait until the new labels come and then send the whole batch.

I suppose you will be going to New York, as you have not the aversion to such crowds that I have, but I trust that during the recess you will also have occasion to come to Cambridge, where we shall be going full blast, and perhaps a little stronger than usual on account of having clear time.

With kind regards,
MLF/FMG

Very sincerely yours,

A handwritten signature in cursive script, reading "M. L. Fernald".

from Fagg

Professor M.L. Fernald,
Gray Herbarium,
Harvard University,
Cambridge, Mass.

Dec. 20, 1928.

Dear Chief:

It was indeed good to hear from you; I had begun to fear that you had forgot all about me. Yes, I am still planning to come up for the doctorate next June. Thank you for reminding me about the application: I had somehow thought it was not due until February. I have filled out my part of it and am enclosing it herewith, for I suppose that it must pass under your eye before it goes to the Office. I am in some doubt as to what title you may think best. Should I add, for instance, "Phytogeographic Survey, with an Annotated Catalogue of Vascular Plants," or something of that sort? If the application can then go direct to the Office, or to Professor Ames, I wonder if you would be good enough to address the enclosed stamped envelope accordingly and drop it in the mail. If, on the other hand, I should submit it together with a letter, then if you will return it to me I shall do so at once myself. I recall that you offered to write last Spring to Professor Ames concerning my language equipment, but decided to wait until I submitted the blank.

As to my preparation, etc.: I am not quite sure whether you desire a complete list of biological and collateral courses which I have taken. University Hall has such a list, but I can send you another if you need it. My undergraduate work covers courses in Botany, Zoology, Geology, Physics and Chemistry. My graduate work was in Botany, Zoology and Geology. Do you wish a detailed roster? In addition to my year of residence at Harvard, I carried on two years of graduate work at the University of Pennsylvania. Dean Mayo's office has informed me the these years at Penn have been accepted as completing the scholastic requirement for the doctorate. I shall gladly submit at once any further information you may desire.

Your various Falmouth finds surely are exciting. Yes, there is still plenty to do! I have a disappointment for you on the queer Panicum. You may remember that I told you when I got it my impressions were of a crazy virgatum; such it proves to be; but one in which the florets have become infested with a smut, so that, under a binocular a mass of rusty spores may be seen distending the lemmas. The papers in which these grasses have lain are covered with red dust!

I wish I could get to Cambridge during Christmas week, but I think I shall do better to work my special problems up as far as I can here and then make a concentrated two weeks attack on Gray Herb in the early Spring. With best wishes for the Yuletide, I am,

Most sincerely yours,

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Asa Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
IVAN M. JOHNSTON, Assistant
RUTH D. SANDERSON, Librarian
LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Jan. 5, 1929.

Dear Fogg:

I have from University Hall your record at the University of Pennsylvania, and before I take it to the Division I should like to be clarified in regard to four courses which are entered simply under course numbers without the slightest indication of their subject matter. These are Botany 1 T, Botany 5 E, Zoölogy 1 and Botany 13. What I need to know is, whether these are physiology, anatomy, morphology or what not, so that I can cover that question should it come up.

Very sincerely yours,

M. L. Fernald

MLF/FMG

from Fogg

Philadelphia, Pa
Jan. 9, 1929.

Professor M. L. Fernald,
Gray Herbarium,
Cambridge, Mass.

Dear Chief:

Here, I trust, is the information which you desire concerning those courses:

Botany 1F : Elementary Botany.

Botany 5E : Plant Physiology.

Botany 13 : Morphology & Taxonomy of the Algae.

Zoology 1 : Elementary Zoology..

I am sorry you have had this bother. Information on all of those courses went from here to University Hall and should have been turned over to you. It occurs to me that some of the others may be listed merely by number in the report which you have at hand, so, to save you further annoyance, I here append a supplementary list of courses which I have taken in Biology.

Botany 3 : Microtechnique and Cytology

Botany 6 : Anatomy of the Vascular Plants.

Botany 8 : Plants, Climates and People (a course in world distribution and ecology)

Botany 11 : Morphology of the Angiosperms.

Botany 12 : Taxonomy " " "

Botany 14 : Morphology & Taxonomy of the Bryophytes

Botany 15 : " " " " Pteridophytes

Botany 16 : " " " " Gymnosperms

Zoology 2 : Mammalian Anatomy (based on the Cat)

Zoology 3 : Comparative " of the Vertebrates

Zoology 8 : Protozoology

Zoology 16 : " (Advanced)

Zoology 25 : Comparative Anatomy of the Invertebrates.

Zoology 26 : Animal Distribution

Those marked # were taken in the Graduate School, Univ. of Pa.

I hope that this would help some. If there is anything further, please let me know. I talked with Dr. Wetmore at New York and he said: Most sincerely,
M. L. Fernald

February 23, 1929.

Dear Chief:

Work on the problem goes on slowly here. I have ^{been} more or less swamped by classroom duties, not only elementary Botany but also my new field course on the flora of the Philadelphia local area which I believe I told you I was offering here this Spring. The latter has claimed much of my time in the preparation of lectures and working out of details for classroom and field. I have a small group of interested students and am very enthusiastic about the venture. I want to tell you all about it sometime.

I have received word both from Dr. Wetmore and Dean Mayo that my collaterals have been accepted and my candidacy recognized and I know I have you to thank for taking care of various details at your end.

My present plans are to spend a week or more at Easter time in Cambridge. I trust that you will not be too busily occupied with the "Christian brother" that we can't have a sandwich together now and then. I shall get as much of my thesis as possible typed off by that time and present it for your inspection and criticism if you so desire.

Did you know that Mrs. Wentworth had joined the staff of Biological Abstracts in this city? Schramm wanted someone with stenographic ability and a slight knowledge of systematic botany. Thinking that Mrs. Wentworth might be seeking employment, I suggested her name to him and he got in touch with her at once. The result is that she and the youngster have taken up their abode in Philadelphia and she is hard at work indexing zoological material. I think she has not entirely given up the idea of Rynchospora for she comes into the Herbarium, looks at the cases and sighs longingly.

I decided to hold up the note on Tipularia until I could ascertain what had formed the basis of the range "from Vt. to N.J., etc." given in the sixth edition of the Manual. Do you happen to know? If not, please do not bother. I shall try looking ~~it up myself~~, to seeing you in little over a month, I am, as always,

Most sincerely yours,

Gray Herbarium



Harvard University

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CAMBRIDGE, MASSACHUSETTS, U.S.A.

Feb. 23, 1929.

Dear Fogg:

You know my somewhat cynical view of Woods Hole, although, frankly, it is not wholly serious; but the envelope on the annual announcement which reached me this morning tends somewhat to strengthen the cynical view-point, since I seem to be no better known there than elsewhere, especially in this region, and to them am merely another young lady! You might return the slip so that I can put it in our collections of jokes.

I am writing, however, not in regard to Woods Hole, except to suggest that, if you desire to break loose from entangling alliances, Long and I would be greatly delighted if you cared to join us for July and August exploring portions of the Long Range. It is not absolutely settled that I can go, but there is reasonable hope that I can accumulate money enough to afford it, and Long has accepted with alacrity. The personal expenses should not be very great, since, if I succeed in getting the fund which I am after, I can cancel all the major expenses outside of regular travel and board, - that is, the shipping of paper, the hiring of guides, motor boats, etc. My dream is to do more thoroughly the portions of the Long Range which can be reached without too strenuous a campaign, the big Cape Ray table-mountains reached from Tompkins, where I suspect a good solid week or more of time would get used up; the outer slopes of Cape Anguille which is described as bare and consisting of more or less calcareous rocks rising to 1800 feet; the sand beaches near Cape Ray which no one has ever looked at except Cormack

who stated that ^{They} were covered with Carex maritima! Then, if possible, I want to get on to the Lewis Hills by way of Port à Port, which is much ^{more} [^] feasible than via Lark Harbor. The Lewis Hills are the highest land in Newfoundland (nearly 3000 ft) entirely unworked botanically, but they have been ascended by friends of mine who have gone in a motor boat from Port à Port to a fishermen's colony at the mouth of Fox Island River, whence the ascent is perfectly simple. I also have dreams of spending a week or two at Trout River where the mountains of diverse rock types come right down to the village, and whence one can easily cross over to the Green Gardens, a piece of bare subalpine meadow which is very striking as one sees it from the boat. Whether there would be time to accomplish all these things, or whether it would be possible to change to something farther north, of course we must wait to see. Personally, I am a little bit cramped by the fact that my mother, 84 years old, is bed-ridden and there is, of course, a possibility that I might have to come back for a short time in case she should have a stroke or anything of that sort, so that I do not want to get too many days away from the railroad. But I am aiming to tackle mountain country which has never been looked at.

If this general programme appeals to you and you care to join in the enterprise Long and I, of course, would be delighted. I am proposing to keep the party restricted to us three, with the possible addition of a student helper to dry driers and help about the routine work, thus saving our time for the more technical things which we can do with more intelligence.

I suppose you are swamped with details in your thesis. I do not know whether you had a formal invitation to appear early in June to "defend" your thesis, but I was present at the meeting when it was voted so to invite you; consequently if the Secretary has been negligent, you now

have this informal invitation.

Very sincerely yours,

M. L. Fernald

MLF/FMG

Inclosure

March 3, 1929.

Dear Chief:

That was the second time this winter that our letters have crossed. I am writing at once to prevent its happening again and also because I can not wait any longer to express my enthusiasm for the plans as you outline them for the summer and also to tell you how honored and pleased I am at being included in them. There is, so far as I am concerned, only one drawback and that is a financial one. As you doubtless know, I am hoping very much to be able to get to England for the Congress in 1930, and am saving strenuously toward that end. If the proposed Newfoundland trip can be done on 250 or 300 dollars I believe perhaps I can manage to swing it. Naturally we can talk this over more in detail at Easter time, unless you must know definitely at once, but if you think that expenses can be held to that order of magnitude then I should say I am all for it with very loud cheers!

I saw Long at the Club meeting last Thursday and we had a long talk over the schedule which you have worked out. It certainly is a thrilling one and should give us greatest profit for the time allotted. I well remember Tompkins and how fascinating the mountains looked from there. The Lewis Bay region, too, should prove interesting. In fact, it is all so exciting that I can scarcely wait to talk it over with you in person. Count me in, then, unless costs are prohibitive and a thousand thanks for compliment you have done me in even thinking of me.

I am writing also about another matter. Enclosed you will find a sample sheet from the Catalogue of Plants which will occupy the second part of my Islands paper. I send it for criticisms on the form, if you wares to make them. The list is preceded by an explanation of the conventions and abbreviations employed. Thus, synonyms are given only when they represent names which have been supplanted since the Manual; NON equals Nonames-set (and so on for the other islands); collectors' names are explained; numbers unpreceded by a name are my own collections; and the letters appearing in parentheses tell the Herbarium in which material is deposited, (o) equalling "no specimen seen." Now, is this too much to tell about each species and variety? There are over 700 such and the list itself, with such critical comments as I shall wish to make for certain species, will at this rate occupy about 100 typewritten pages. If this is too long I wish you would tell me. Also I should welcome any criticism on the format. Perhaps the collector's should also be italicized (underlined) altho I was planning to use italics only for synonyms and introductions. Discredited records will be bracketed.

I am enjoying your remarks on Thelypteris is this Rhodora. Also, it was fun to see the hybrid Rynchospora written up. What, by the way, do you think of Mackenzie's splurge on Juncus names? Long and I had a pow-wow over it and were wondering how much, if any, of it you are willing to swallow.

I am proud to say that at our last Club meeting I had the pleasure of putting thru your name for election to Corresponding Membership. It should have been done long ago. The Club thus does belated honor to itself.

Thanks for the M.H. wise-crack. I had a good laugh over it; so did B.L. It sounds like the sort of thing they would do there. I shall not be altogether ^{sorry} to break away from there, altho I do want to see more of the Falmouth region some day and the Vineyard still intrigues me. By the way, any further signs of action on the Woodworth report?

Looking forward to seeing you before so very long,

Yours most sincerely,

I am writing also about another matter. I will find a couple sheets from the Catalogue of Plants which will cover the second part of my Islands paper. I send it for your information. The list is prepared by an explanation of the convention and abbreviations used. This, however, are given only when they represent a new name. Some of the names have been suggested since the Manual. For other names see the list on the other islands. I collected names for the Islands paper which were suggested by a name and my own collection. The list is published in certain parts of the Catalogue in which the list is described. (a) explaining an abbreviation and (b) in this too much to tell about each species and variety. The list is over 700 such and the list itself, with such additional comments as I have added for certain species, will be in the next issue of the Catalogue. I think it is too long but you should also have a list of the names. I should welcome any criticism. I am writing to you for your review and I will be glad to hear from you.

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
 Asst Gray Prof. Syst. Bot.
 M. L. FERNALD,
 Fisher Prof. Nat. Hist. (Bot.)
 CHARLES A. WEATHERBY, Assistant
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 RUTH D. SANDERSON, Librarian
 LESLEY C. BROWN, Bibliographer
 LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

March 5, 1929.

Dear Fogg:

The copy of manuscript which you send is, it seems to me, most satisfactory; since you have the abbreviations for the different islands in caps. there is sufficient contrast between them and the name of the collector; the main object, as I have understood it, being to mark the difference by type. Consequently, I decidedly approve of this form. I hope you are going to get in a few little revisions such as Danthonia.

Speaking of Danthonia, you will be interested to know that Bishop brought back splendid D. intermedia from lat. 55°-57° on the outer coast of Labrador. Incidentally, I think that Svenson and I got your new species (Newfoundland and Anticosti) in sphagnum bogs in New Hampshire. I have some material laid aside for you which will be going as soon as I get a chance to pack it up.

I am very grateful to you for your compliment in engineering through my name as a corresponding member of the Philadelphia Botanical Club. I can see that you had your hands full in avoiding snags!

In regard to Mackenzie's talk about Juncus tenuis, I haven't studied it yet, since I am deep in a thousand other things, all of which are crying for settlement, and I am growing a little indifferent to the need of settling everybody else's splurges, which would keep me from accomplishing anything myself.

In regard to the Newfoundland summer, I am delighted that the idea appeals to you and have great hopes that I can help on the finances. While the Milton appointments are not yet made, I have been given a tip that I may proceed with arrangements, which seems to indicate that I shall probably get my appropriation. One of the specifications in my budget was an assistant; consequently, if I succeed in getting the full appropriation and you are not averse to accepting that meager title, I shall be glad to put you first in the list of candidates for Dryer Toaster! It is possible that the fund would not hold out completely, and I might have to ask you to meet a small part of the expenses, but if you care to go ahead on that basis: that I will meet as much of the expense as I can, and will give you as free a hand in exploration as any one else, I shall be mighty glad. As a matter of fact, I have no student in view who is particularly appropriate for such a campaign and my ambition is not to have in the party some one who will fly into fits of enthusiasm over Cormus canadensis and Moneses to such an extent that the presses get clogged with those species. What I am going for are Cassiope tetragona, Pedicularis lapponica and other such things which are characteristic of the mountains of northern Labrador, Baffin Land and Ellesmereland!

In regard to the Woodworth report, all I can find out is, that it is tucked away at the Museum, but that you or I can see it by arrangement any time we want to.

Hoping to see you at Easter time,

Very sincerely yours,

M. L. Fernald

MLF/FIG

Inclosure

March 22, 1929.

Dear Chief:

Just a hasty few words to state that I should be more than pleased to accept the position of "Dyer Toaster" on your expedition if the appropriation materializes.

I plan to arrive in Cambridge on the morning of Thursday, March 28th, and shall repair at once to the Gray Herbarium for a visit with you. I hope to have a full week there, for I naturally have many little problems requiring comparison in the herbarium. It may be that I shall send ahead a small package of specimens addressed to myself. I trust these can rest in an out-of-the-way corner until I appear upon the scene.

Also, I shall probably bring with me 40-50 typewritten sheets of manuscript for you to look over and criticize or not, as you see fit.

I am more than keen to learn further details of the trip and Long has made me promise to remember and repeat to him every word you have to say concerning plans!

Looking forward, then, to seeing you in less than a week, I am,

Most sincerely,

April 23, 1929.

Dear Chief:

I have been meaning to write to you ever since my return from Cambridge, but I have naturally been more than busy with last minute details on the thesis. The work is now finished and the completed copy goes to the binder tomorrow. I shall send it off to Cambridge by the end of this week and it should be in your hands by Tuesday next, or Wednesday (May 1st) at the latest. I neglected to inquire whether it should be forwarded to you direct or whether it should go first to the Chairman of the Committee. However, I shall endeavor to find this out from Svenson and avoid causing you unnecessary bother.

I have gone over those categorical lists of species again, revamped them in some cases and made important additions in others. Also, I have checked up on several other matters which I had not had time to go over before showing you the MS.

Naturally, it is a sincere disappointment to me not to be able to include revisions of Panicum, Danthonia, Cyperus, Boehmeria, Juncus, etc., but no one knows better than you that these things take time and, heavily laden as I have been with a teaching schedule this year, I count myself lucky to have got through what I have. Later, when the time comes to prepare this report for publication if it proves to be worth publishing, I shall probably have had opportunity to look more closely into some of these tangles.

B.L. came down to the house on Sunday morning and we had a long confab about Newfoundland and the summer's plans. We are both enthusiastic and await the coming of July with impatience.

One of the things I forgot completely to talk over with you at Cambridge was the matter of Helianthemum. I wrote you last Autumn that I had a student at work upon it - a Miss Hazel Briggs. She has become very much excited over H. georgianum and the possibility that it has long existed unrecognized in our local flora. Some of your material from the Cape started her off and if the thing works out we may have another species of Florida to Virginia, Pine Barrens of N.J. and the "Middle Cape" !

More later,

Sincerely yours ,

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Asa Gray Prof. Syst. Bot.
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CHARLES A. WEATHERBY, Assistant
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LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

May 1, 1929.

Dear Fogg:

I have your note of Monday, stating that your thesis was sent to Dr. Wetmore, and yesterday he told me that it had arrived all right. He also stated that it did not contain the short abstract which is required, but that either he or Prof. Ames was writing you to send this abstract which has to be filed in some way.

I was naturally surprised to hear of Hershberger's death, and as yet have no particulars; and I am sorry, of course, that you have a lot of extra work thrust upon you.

I am just starting for Maine,- my mother having died yesterday after an illness of some months, and shall not be back until early next week. Her release from some months of suffering will mean that I shall be more free during the summer to go as far away from the railroad as necessary, and I may wish to alter the plan to the extent of getting a trip north to St. John Bay, where there is a great deal to be done,- but of that it is too soon to decide.

Very sincerely yours,

MLF/FMG

M. L. Fernald

from Fernald

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Asa Gray Prof. Syst. Bot.
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LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

May 9, 1929.

Dear Long and Fogg:

I am sorry to say that Pease writes that it is most improbable that he will be able to join us this summer and, as I expected, Mr. Curtis feels himself too old and too busy to join the party, so, although sorry not to have Pease with us, I am rather glad that we shall be a family of three with much more concentrated interest than if there were more of us.

Fortunately, I was able to delegate my responsibilities as an executor of my mother's small estate, and shall not have to keep so close to the railroad as I had formerly thought would be necessary.

I have mapped out the inclosed schedule. I could not resist the temptation to tackle the Big lime Barrens around Port au Choix and the southerly and westerly slopes of the ~~the~~ Islands of St. John reached from there. The main point which decided me is the fact that Wiegand got an extraordinary new species of Salix on the Barrens at Pointe Riche in August (1888) without any aments; the plant is so distinct and so utterly different that we must get a good supply. On St. John's Island Long and I (the last of July) got a dead-ripe Taraxacum in the shifting gravel which is a very distinct new species with large brick-red smooth achenes, - but the material is wholly inadequate for description. Consequently I am most anxious to get it in younger condition. Incidentally, the slight exploration of St. John's Island left so much more to be done that I felt that a breaking in near the sea-level before tackling hard mountain work would be advantageous. Two weeks allowed for Trout River may be very inadequate, but at least it will give a chance to tackle several of the different mountains and to cross over to Green Gardens which look so interesting from the steamer.

Between Stephenville and Port au Port are large marshes and shallow pools where I once saw Typha and I think Sperganium eurycarpum, both otherwise unknown from Newfoundland and not collected. These holes, if we can get a boat to poke around, I think should yield a considerable southern element.

I am writing to Mr. Derby, the head of the fishery at Port au Choix to give him plenty of warning that we will be along and asking if he can arrange to put us up. I shall also write to the head of the fishery at Trout River with a similar inquiry.

I suppose, since the steamers ^{at} land ^{from} and leave ^{at} Corner Brook and it is a cumbersome and rather expensive process to shift stuff from Corner Brook to Curling, that we shall have to stomach the "Ritz" at Corner Brook for the short periods we are there.

I am so busy just now with the thousand-and-one things which crowd at the end of the college year, that I cannot do very much planning, but when Fogg comes up for his doctor's examination I trust he can stop over for two or three days and help me sort out driers, ventilators and other stuff and see exactly what needs to be got. Then we shall want to get together in Cambridge by Saturday, June 29th, to do the final packing and be ready to send the stuff into the train on Monday morning.

Very sincerely yours,

M. K. Fernald

MLF/FIG

Inclosure

May 11, 1929.

Dear Chief:

I was certainly sorry to learn of your loss and my deepest feelings of sympathy have naturally been with you. If, as you say, however, it really represented a release from suffering, then your sense of sorrow must be alleviated by the recognition of a blessing.

Yesterday I received your letter which contained the itinerary. I have gone over the schedule until I must know it backwards as well as forwards and I must confess that it is indeed an enticing one. I am of course delighted at the inclusion of the Port au Choix feature. In fact, the entire program appears to me to represent a wonderfully concentrated series of attacks for the time allotted.

It was characteristically stupid of me to forget that abstract which should have accompanied the thesis. I neglected completely to re-read the requirements in the catalog before sending off what I thought was the finished product. I hastily submitted the desired summary, however, and hope that no harm was done.

Marshberger's going was very sudden and unexpected - a heart attack, of course. He was in a candy shop down-town and was alone; the whole thing happened in about two minutes. Brutal as it sounds, it is readily apparent that here is the best piece of luck which has befallen our department for many a long day. Dr. True has at once started to reorganize the entire lay-out and I seem to be coming in for my share of the spoils. I am rather sorry it all happens right now, for I had looked forward to a few quiet weeks for reading and study, once the thesis was off my hands; and now I am busier than ever!

As you suggest I shall come up in June prepared to spend as much time as you desire for the purpose of going over equipment and putting things in readiness. Until then!

Most sincerely,

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Asst. Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
IVAN M. JOHNSTON, Assistant
RUTH D. SANDERSON, Librarian
LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

May 13, 1929.

Dear Fogg:

Your thesis has just come to me from Prof. Ames with the memorandum that it is technically deficient, in lacking the brief summary, which is required. Harvard Catalogue, p. 295 states, among other requirements

"Every thesis must be accompanied by a brief summary, not exceeding 1200 words in length, which shall indicate as clearly as possible the methods, material, and results. Each summary must be approved by the Division Committee as adequate and as in suitable form for publication. These summaries will be printed by the University in an annual volume."

The memorandum states that you were written about it on April 30. Please hustle it as it would be an awful pity to be held up. Just a statement in outline of the main theme and the conclusions or argument

In haste

Very sincerely

M. L. Fernald

14 Hawthorn St.,
Cambridge, May 27, 1929

Dear Fagg:

I recd. today the schedule of oral exams. and as I have reason (as you know) to distrust the working of the executive machinery in the Division I do not know whether you will get your "invitation" to appear and "defend" your thesis, from official circles. So, I am writing to say that you are down on the list to be examined at 2 p.m. on Tuesday, June 4, in the lecture room on the 4th floor, J. Biol. section (where the Biological Club meets). If you do not get a more formal invitation, please accept this one!

After that function, we will pull over driers, collecting boxes, etc. and see what is needed.

I have a stateroom - near the stern - the best I could get, since they hold the very best for round-trippers (I don't mean dancing flappers), with 3 berths.

In haste, Very sincerely,
A. S. Fernald

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Asa Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
IVAN M. JOHNSTON, Assistant
RUTH D. SANDERSON, Librarian
LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

June 25, 1929.

Dear Long and Fogg:

As I have already intimated, it is seeming more and more impossible to get away quite so early as we had planned. Katharine is still lagging a little. Although her fever is now gone, she lacks pep, and the doctor says she cannot think of going to camp before some time next week. Consequently I have been obliged to cancel reservation on the "North Voyager" and have secured a stateroom for three on the SS. Yarmouth leaving Boston Sunday, July 7th. Although by that route we shall not have so long a sea-voyage, we shall get to Bay of Islands in time to catch the steamer we had originally planned to take to Port au Choix.

I will get as much of the packing done as I can before you come, but hope that you can get here Saturday morning, July 6th, since we must get the baggage already to be taken into the boat Saturday afternoon.

In haste,

Sincerely yours,

M. L. Fernald

MLF/FMG



THIS SIDE OF CARD IS FOR ADDRESS

Mr. J. M. Faff, Jr.,
Dept. of Botany,
Univ. of Penn.,
Philadelphia,
Penn.

14 Macut Horn St. Camb.

June 11, 1929.

Don't forget to have some identification
card or something to identify you as
an American citizen in returning to
the U.S. Have a "comfortable home"
engaged at Port au Choix. We may
want to stay there all summer!

Dearest Sincerely, W. L. F.

Gray Herbarium



Harvard University

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Asa Gray Prof. Syst. Bot.
M. L. FERNALD,
Fisher Prof. Nat. Hist. (Bot.)
CHARLES A. WEATHERBY, Assistant
IVAN M. JOHNSTON, Assistant
RUTH D. SANDERSON, Librarian
LESLIE C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Sept. 23, 1929.

Dear Fogg:

It is rather late to thank you for your most interesting letter from the Staff House, Deer Lake and for ~~the~~ vivid account you give of the journey overland. I am keeping the letter primarily because of its detail about interesting habitats which makes it apparent that there is still work to be done in the neighborhood of Bonne Bay!

You have undoubtedly seen Long by this time. The day you left Lomond we proceeded up the Main River but again did not get beyond the tidal and alluvial shores where we had already been, — this time going up the opposite side of the river where dominant plants were Carex Josslynii of the St. John River and northern Maine; Solidago Bartramiana (heretofore known only from the Exploits); Carex Hostiana; a queer Calamagrostis and many others which kept us fully occupied so that we had to defer the trip to the "Steady" until some other year.

The Sagona put on speed and came much quicker than we had anticipated, so that we did not get the second trip to Kill Devil and got into Curling early enough Saturday morning to proceed in the afternoon to Hannah's Head. No one would recognize the place who had been there early in July, since the protracted drouth had completely obliterated the Botryonium, ~~and the~~ ~~care~~ characteristic plants, and late in August the place was absolutely sterile. On Sunday we went in pouring rain to the meadow which Morris had described and collected Botryonium boreale and B. angustisegmentum, both new to Newfoundland, as well as B. simplex, and several other species already known.

All the packages are in now except three and I am beginning to sort the material which came through splendidly. The score stands 92 new to Newfoundland and approximately 40 of them new to science! Unfortunately Arnica Foggii proves to have "Griscomii achenes", and is a very close match for the material from the Mt. Logan range. The little Carex which I doubtfully called C. incurva from the dried crest beyond Gargamelle Cove, proves to be C. Deinbolliana, a very rare species known only from Tröso in arctic Lapland and from adjacent arctic Russia. It is treated by Kükenthal as a hybrid of C. dioica, but the latter species is entirely unknown from North America, so there you are!

I hope the year is starting satisfactorily with you. It looks as if I were going to have all the advanced students I can handle.

In haste,

Very sincerely yours,

M. L. Fernald

MLF/RMG

from Fogg

Botany Laboratory
Univ. of Penna.
Phila. Penna.

October 1, 1929.

Professor M.L. Bernald,
Gray Herbarium,
Harvard University,
Cambridge, Mass.

Dear Chief:

Every day for two weeks I have been planning to write to you but each time something has interfered. Now comes your interesting letter, which I certainly do not deserve, and my conscience will let me put off writing no longer.

I have not yet seen Long for I went to Cape May immediately upon my return home and then followed a trip to Washington. Most of the National Herbarium staff were away but I did see Maxon and Mrs. Chase.

It was interesting to hear about your subsequent explorations. Hannah's Head certainly must have been a disappointment. I got a look at it from the train as we came down the Humber and it surely looked burnt out. I hope, however, that you were able to get some photos from its slope..

Enclosed you will find an account of my expenses, which totaled \$106.90, and a check for \$3.10, which is the residue from the \$110.00 received from you in two payments. If there is anything which is not clear in this account please let me know. I saved a bit by not getting a Pullman seat from North Sydney to Truro and by taking upper berths on the trains from Truro to Boston and from Boston to Philadelphia. Incidentally, I left Truro on the Pine-Tree Acadian 9.40 Thursday evening and got into Boston 8.05 PM Friday, thus reaching home Saturday morning.

Work is starting off here with a rush and I expect to have my hands more than full with teaching duties. However, I am getting some material ready for Rhodora; two or three short papers and my thesis.. Naturally I shall await with ill-concealed eagerness your verdict on many of the things we got this summer. I only hope you are going to have time to work on them.

Again let me thank you for the most wonderful summer I ever spent. If I never got into the field again I should still regard this seasons experiences as the justification of a lifetime .

Most sincerely,

HC 50 Monday
Slime 10
Tape = 5
2.15
85

THIS SIDE OF CARD IS FOR ADDRESS

CAMBRIDGE
OCT 15
11:50 AM
1929
MASS



Mr. John M. Fagg, Jr.
Botanical Laboratory,
University of Pa.,
Philadelphia,
Pa.

2.27
5.00
Carpenter 30
1.15

Tubes
.03 carb
.02 paper
1.05

GRAY HERBARIUM OF HARVARD UNIVERSITY

CAMBRIDGE, MASS., Oct. 17, 1929

Am sending 66 prints, with all except the duds
and close-ups which are mere flukes. Many
films spoiled from "sweating", the photographic people
say - too cold, then too hot. If you want to
send 6.60 + 12c. postage = \$6.72 to cover cost, I
shall be glad as my funds are running low & I
must pay for labels, 280 forms, now being printed.
The collection is all numbered, exactly 1200 nos.

Hastily, H. S. G.

Fogg to Fernald

Nov. 15, 1929.

Dear Chief:

Please forgive me for not having sooner acknowledged the receipt of the photos and sent you my check. It was a real treat to get them and I have enjoyed greatly looking them over and showing them to my family and friends. I certainly wish that I could afford to have some lantern slides made from them for I find that I am being asked to talk about Newfoundland and it would perhaps boost the glory of the Expedition to be able to show views of the Tableland, Killdevil, etc.

This has been the busiest autumn I can remember and, as a consequence, I have little or nothing to report in the way of work accomplished. I have three graduate students, one of whom is working on a Flora of Cumberland Co., N.J., and most of my spare time has been spent in going over my own undetermined and unmounted collections of stuff from that county of some years back to try to get ~~ix~~ them in shape to be used in this report.

May I remind you of your offer to let me have a scrap of Schizaea from somewhere in Nova Scotia in order that we may have it represented from that province in our herbarium here? I should be very grateful if you could find a small number for me.

I hope that you are finding abundant opportunities for carrying on your own researches. It is going to be more than thrilling to get reports of progress on the summer material; 1200 numbers sounds like a good winters work.

My regards, please, to your family and all my friends at Gray.

Most sincerely,

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator
Ass. Gray Prof. Syst. Bot.
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LESLEY C. BROWN, Bibliographer
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.
Nov. 30, 1929.

Dear Fogg:

As you request, I am sending a bit of Schizaea from Nova Scotia for the University Herbarium.

I, too, have been more than busy, but if the rumor which has reached me is correct, not along the same lines as yourself! I need verification of the report, for it is difficult for me to imagine how you could make such a sharp discrimination! At least, it is rumored that you have been quite eclectic; naturally we all here are anxious to have the rumor verified.

The Newfoundland identifications go very slowly, since in working on the pondweeds, for instance, I have been held up one solid week because it very quickly became apparent that we have no P. alpinus in North America. Very similarly I scent a parallel situation with P. praelongus; I have already checked out P. natans in the same way.

Thank you for the check covering the cost of the photographs. I suppose if I were really optimistic I should offer to let you take my lantern slides of the Tableland, Kill Devil, etc., but as yet I have not had a chance to get them made and, as you know, I do not like to promise a thing unless I can see clearly how I am going to carry through the obligation. If I get the chance to push them along I will write you later.

With kind regards to you, your family and ? [This doesn't stand for "Inquisitive"]

Very sincerely yours, M. L. Fernald

MLF/EMG