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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.

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. WILCOX, Bibliographer

LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Jan. 16, 1930.

Dear Fogg:

I am getting off to the printer a large batch of copy for Rhodora which, when set up, will probably carry us to the June number. I am wondering how the preparation of the Flora of the Elizabeth Islands is coming on, and whether it is going to be possible for us to have it to set up and proof-read before we start for England? In that case, the paper would make splendid material for mid-summer numbers.

Incidentally, by the way, I am not sure whether you had a record of Potentilla tridentata from the western end of the Cape. I find a specimen in the Club herbarium from Pocasset, June 22, 1910, south of first bridge, collected by A. B. Seymour. I was surprised to run across the specimen, because I had been thinking of this species as on the Cape, confined to the forearm.

I hope you are still planning to go to England. So far as I can yet determine, I am the only one here who is going, so we need your support as partly of the Gray Herbarium! I have not yet finally decided just when or how I shall go, except that I shall not go by submarine or airplane.

In haste,

Very sincerely yours,

MLF/EMG

M. L. Fernald

*This catches me in the midst of Latinizing description of Antea Foggii!*

Dear Chief: I had fully intended to write you before Christmas  
 thanking you for your letter and the specimen of Schizaea and  
 wishing you and your family the season's greetings. Then, for  
 a while it looked as tho I might get to Cambridge during the hol-  
 idays and I refrained from writing. But things intervehed to pre-  
 vent my leaving here and I have since been more than busy. My con-  
 science was already pricking badly when your letter of Jan. 16th  
 reached me this morning, so I'm losing no time in reporting.

First, let me set your mind at rest concerning any  
 rumors which may have reached you about me - or perhaps what I  
 say will only agitate you further. Of course, I can only hazard  
 a guess as to your allusions but I suspect they concern my en-  
 gagement to Miss Helen Biggs of Philadelphia. Yes, Chief, it's a  
 fact; indeed, it's been a fact for nearly a year now, altho it was  
 not announced until recently. All of which may help to explain  
 certain lapses into absent-mindedness to which I may have been  
 subject last summer.

Helen is a Wellesley girl, who, following her grad-  
 uation from there, studied for three years at the Sorbonne in  
 Paris. She speaks French like a native and has, among other  
 qualifications, the makings of a field botanist! We are plan-  
 ning to be married in June, sail at once for France, where we  
 shall spend a month, and go over to England for a look around  
 Kew and other places and, of course, be on hand for the Congress  
 in August. I am more than delighted to learn that you will brave  
 the elements and attend yourself; now I'm convinced that it will  
 be a great occasion.

In regard to the Elizabeth Islands flora I might  
 say that I have been working on it for some time and that it is  
 nearly ready to send off. It has required pretty careful check-  
 ing, for I desire to have the minimum of errors, but I hope to be  
 able to let you have it within a week or so. I have also pre-  
 pared a little account of some interesting finds from around Fal-  
 mouth, which I shall send you soon, and in addition have some  
 other things up my sleeve which I hope to turn out before long.

Thanks for the Pot. tridentata record. I knew of it  
 only from Provincetown, Truro and Bostham, and so must completely  
 have overlooked the Seymour specimen.

and I am more than thrilled by the hint which you let drop concerning Antennaria Poggii, but am determined not to allow my emotions to soar until I actually see it in print - it will no doubt prove to have a Criscomb pappus or Longii bracts !

Have you seen Pool's new book on the Flower and Flowering of Plants (McCraw-Mill) ? Strikes me it's about on a par with Swingle's Systematic Botany for diluteness and general inadequacy. When will they learn to select people who are actually conversant with the field they are treating ? Probably never. With every good wish for uninterrupted leisure, I am,

Most sincerely,

Your truly,  
I have been very glad to hear of your success in the field of botany. I am sure you will continue to make many valuable contributions to the science. I am sure you will continue to make many valuable contributions to the science. I am sure you will continue to make many valuable contributions to the science.

He is a very nice fellow, and I am sure you will find him very interesting. I am sure you will find him very interesting. I am sure you will find him very interesting. I am sure you will find him very interesting. I am sure you will find him very interesting.

In regard to the Mississippi Islands I might say that I have been working on it for some time and that it is nearly ready to send off. It has required pretty careful check-up for I desire to have the minimum of errors, but I hope to be able to let you have it within a week or so. I have also prepared a little account of some interesting things from around the mouth, which I shall send you soon, and in addition have some other things up for review which I hope to turn out before long.

Thanks for the Antennaria record. I know of it only from Proctor's Flora and Wats. and so must definitely have overlooked the Proctor specimen.

Jan. 25, 1930.

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

Dear Chief:

The Islands Flora has gone forward to you by prepaid express and should reach you early next week.

I have gone over the thing three times trying to iron out the rough spots and polish up the dull ones, but I do not for a minute flatter myself into thinking that you would find much to criticize. I finally decided to send the paper in its entirety, altho there may be portions which you will deem it best to omit, for, as it stands, there are over 180 pages of typewritten copy. Is this not too bulky?

There were several matters concerning which I would have been glad to have your advice. One was the question of numbers: whether, for instance, to say " $\frac{1}{2}$  mile" or "one half mile", etc. I decided in favor of the numerals, but you may wish this changed. Another thing was the use of commas between adjectives in such expressions as "dry open sandy hillside". Following your usage in the Nova Scotia paper and otherwheres, I have in general omitted commas, but in the light of your own ideas on correct form this may not meet with approval, and I should be glad to have them inserted.

I am typing off at present a little account of "Some noteworthy plants of Palmouth, Mass." to be followed soon I hope by "Some noteworthy plants of the Elizabeth Islands, Mass." I had originally hoped that these papers might appear before the "Flora", but I have been so slow in preparing them that that is probably no longer possible, especially since you tell me that the lists are closed up until the June number. At any rate, I shall send them along for you to do with as you see fit.

With best wishes, I am, as always,

Most sincerely,

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. WILCOX, Bibliographer  
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Jan. 29, 1930.

Dear Fogg:

In the first place let me congratulate you, as I could not very well do before, upon your engagement. Judging by your voluminous correspondence this summer, I have no doubt whatever about the depth of your feelings, and that you are very happy now. Please also let me congratulate Miss Biggs, or at least let her read this letter if you are too modest to tell her yourself, that she should be congratulated.

The manuscript on the Elizabeth Islands has just come and I have been reviewing it with great pleasure, and am now writing very hurriedly to ask if you are willing that we should put at the top of the manuscript, "Contributions from the Gray Herbarium"? Dr. Robinson agrees with me that we should very much like to have this paper in the series if you are willing.

It is probable that your shorter notes, which you mention, can be published before the long paper, since it is easy to work in short items, but the present Contribution, started in the January number, has the right of way for three or four months before any other very long series can be started. I have also promised space to Ostenfeld for a lot of notes on arctic American species, so that we are assured solid and meaty material throughout the year. In case your Flora is published as one of our Contributions you would receive 25 copies free, and of course more if you cared to buy them.

I have not seen Poole's new book, but I know no reason to suppose it would be in any way authoritative. In fact, Schuyler Mathews, who spent a good deal of time about the library all last year copying illustrations for it, was making the drawings with so little comprehension of what was meant or what to draw, that I can well judge of the scientific value of the product:

In haste,

Very sincerely yours,

*M. L. Fernald*

MLF/ENG

from Fogg

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

Jan. 30, 1930.

Dear Chief:

First let me thank you heartily for your very kind words of congratulation. I have passed them on to Helen and we are both very pleased to feel that we have your blessing. When you have seen the young lady ( which I am hoping you will have the opportunity of doing at Easter time ) you will realize how thoroly deserving of congratulations I am.

You must know how delighted and flattered I am that you should want to include the Islands Flora in the "Contributions". I shall hurry ahead with the smaller notes ( altho this finds me right in the middle of the examination period ) and perhaps, as you suggest, they can be inserted before the main show begins.

Tuesday, when I was at the Academy, Long showed me a large collection of manuscripts which you had sent for his examination and I was indeed delighted to see that you have been able to find time, among all your multitudinous responsibilities, to settle a few important questions. I am glad that you are taking issue with Mackenzie in the Juncus question and can scarcely wait to get at your discussion when it finally appears in print.

Eggleston, who is here for a few days, looked over my Crataegus material from the islands and pronounced it all to be C. chrysocarpa. I am not sure just how much weight to give to this. I may insert a correction later as the Flora goes thru proof, but for the time being I'd like to stick to macrocarpa, in the broad, conservative sense.

I shall delay no longer, but get this off to you at once. Many, many thanks for your kindness to my "brain-child". I trust it will live up to your expectations.

Most sincerely,

Feb. 3, 1930.

Dear Chief:

Here are the promised Falmouth Notes. I am now at work on a similar series from the Elizabeths which will probably come to twice the size of the present offering. If the whole procedure appears to you to be too trivial for publication please do not hesitate to say so. It seems to me, however, that there are a few things here worth putting on record.

So many <sup>of</sup> the observations included here are due to your own acuteness rather than mine, that if you choose to substitute your name in place of my own as author I should consider that as only fitting. Or perhaps you would care to place your name ahead of mine, thereby doing me great honor.

On page 2, line 12, you will notice a provision for placing these notes chronologically with reference to the longer Flora of the Islands. Will you be so kind as to cross out the appropriate alternative ?

I'm in a bit of a funk over the Alisma question. Our Academy material has just come back from Samuelson with a set of names which neither Long or I recognize as ever having seen publication. If, therefore, you know of any better name for my Woods Hole stuff ( and there is a sheet of it in the New England Club ) I should be glad to be corrected.

Fennell says that my Woods Hole material of Scrophularia leponella (Fogg 1795) is true S. nodosa. I have kept this out of the Notes, thinking that perhaps your feeling about the Newfoundland phase of the thing might lead to an entirely new understanding of the problem.

Most sincerely,



THIS SIDE OF CARD IS FOR ADDRESS

Dr. J. M. Fogg, Jr.,  
Department of Botany,  
University of Pennsylvania,  
Philadelphia,  
Penn.

HERBARIUM OF HARVARD UNIVERSITY

CAMBRIDGE, MASS., Feb. 4, 1930.

Dear Fogg:

Thank you very much for the notes on Plants of Palmouth. This is just the sort of thing we need and there is no question that this material will come out before the study of the Elizabeth Islands. Thank you for the invitation to join you, but I think we will let the authorship stand as it is.

The *Alisma* question is equally embarrassing to us, since Samuelsson has returned our material with similarly unpublished names which we can't yet use.

In haste,

Sincerely, M. L. Fernald

MLF/EMG

Feb. 11, 1930

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

Dear Chief:

During the course of preparing these Notes on Elizabeth Islands Plants I have again decided that sufficient interest centers about Tipularia to warrant a separate account. So here it is. If you disagree with me you have only to relegate it to the nearest wastebasket.

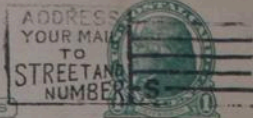
Many thanks for Austin's squabb on Cape Cod birds. The boy certainly has ideas and is not afraid of expressing them. I think we may expect some interesting things from him in the future.

Pennell is home with a glowing account of his trip to Cambridge and especially the fine treatment which he received at Gray. Says he considers it the ideal herbarium. I concurred heartily.

After sending off the Falmouth notes I realized that I had neglected to affix "University of Pennsylvania" to the end of them. If they have not gone to the printer would you be so good as to remedy that omission?

With many thanks,

Best sincerely,



THIS SIDE OF CARD IS FOR ADDRESS

Dr. J. M. Fogg, Jr.,  
University of Pennsylvania,  
Philadelphia,  
Penn.  
Dept. of Botany.

GRAY HERBARIUM OF HARVARD UNIVERSITY

CAMBRIDGE, MASS., Feb. 20, 1930.

Dear Fogg:

Thank you for the article on *Tipularia* which, as you know, I am glad to have. I will see that the proper address is added at the bottom of the Falmouth notes.

I have just paged up *Rhodora* for March, April and May and hope to get these notes into the June number and to start the Flora in the July number, so that it can be coming out while we are in Europe and unable to catch the errors until the whole thing is done!

Very sincerely yours,

*M. L. Fernald*

MLF/FMG

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. WILCOX, Bibliographer  
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Feb. 20, 1930.

Dear Fogg:

In getting manuscript ready to send to the printer I have tackled your Flora. The only difficulty I see is in regard to the Table of Contents. That I fear will be pretty hard to manage, since the Flora is to come out in several numbers and it would be impossible to forecast the pages in time to have them on the first page of the paper. We can either put in the Table without any pages, or leave it out, since it is repeated, of course, in the subheadings through the whole work. Dr. Robinson, Weatherby and I have a feeling that it would be just as well to leave it out, unless you have a strong desire to have it in; in the latter case, we would naturally want to keep it.

Very sincerely yours,

M. L. Fernald

MLF/EMG  
Memo, Betochium matricariae is the same as B. ternatum, v. mutabile.  
Consequently in your note (where you seem to have confused) it with B. matricariaefolium  
I have changed your comment to read: "This may refer to B. dissectum Spreng.  
or one of its allies" So that ok?

Setaria glauca. I have retained this and added "See Rhynchospora,  
xxx i. 109, No (1929).

Leptochloa fascicularis. The native of beachish soil in  
S. N. Inf. is Diplachne maritima Bickn. Bull. Torr.  
Bot. Cl. xxv. 195 (1908). To Long & Me it is a good sp. t  
(1920)

not a Leptochloa. L. fasciata belongs in the Prairies. So I have made the change. OK?

Shall Scirpus nanus stay a Scirpus or be put into Eleocharis, following Jensen? I have no convictions!  
Carex pinnatifida, var. lucorum is indicated by var. separans Peck in U.C. Home, et. al. Stell. Mus., 48 am, Sep. 174 (1896).  
Carex muricata, var. cephalantha. In working over the U.C. Home collections I have been over this group in detail & am now recognizing cephalantha as a perfectly good endemic American species. Shall I change it?

Sisyrinchium graminifolium Weatherby? I have reviewed this case & there is no doubt that we should have taken S. graminoides Bicknell (which we now do) instead of S. graminifolium <sup>Contra: (a synonym)</sup> Corylus rostrata Nutt (1789) = C. cornuta Marsh (1785), a perfectly clear case.

Parthenocissus is conserved over Psedera, so I have changed Psed. quinif. to Parth. q. - etc.

Cirsium spinosiss. Have changed to C. laroid See Robinson, Rhodora, xiii. 239.

x Aster dumosus & other such cases I have changed to A. dum x - ? since x A. dum, means that A. dum is a hybrid.

Feb. 24, 1930.

Dear Chief:

Many thanks for your very helpful letter of the 20th. Please disregard the Table of Contents entirely. I should have explained in the first place that I was merely sending it along as a possible aid in keeping track of the various sections and not with any idea that it would actually be included in the final product. I'm sorry if it has caused you any inconvenience.

I am sorry also that you should have been bothered by so many errors in citation. I had hoped to reduce these to a minimum. I shall answer your queries in order.

Botrychium matricariae. It was not that I confused this with B. matricariaefolium, but that I reasoned that Mrs. Northrop might have done so. She was following the Britton system where the latter name is given as a synonym for neglectum ( ramosum ), and as neglectum would be more likely to occur on the Islands than ternatum var. putasfolium ( we know it from the Cape ) it seemed to me that it might have been neglectum which she had in mind and was merely confusing the names. I am quite willing, however, to accept your interpretation, for B. dissectum is an even greater probability in that region.

Setaria glauca. Thanks for this; pure oversight on my part; I had meant to bring this into line with the decisions of the Committee. Which suggests: should not my S. imberbis be a geniculatus ( Lam. ) Beauv. ? I was merely following there the names in use at Gray, but I know that Long favors Hitchcock in this matter.

Diplachne maritima. This is good; I am glad to learn that you uphold Bicknell on this. By the way, can you tell me without going to too much trouble whether there are any other stations for this grass in southeastern Mass. aside from mine on Naushon and Bicknell's on Nantucket ? I have it from the Boston district but otherwise rare east of Connecticut.

I don't know what to say to Plecocharis nanus. I left it as Scirpus chiefly because I thought that represented your feelings as to its relationships. If you really have no convictions I should be inclined to follow Svenson who certainly seems positive enough about the matter.

Carex pennsylvanica. I knew you had said that var. lucorum had been antedated but somehow had it in my notes that Peck's name was distant, failing to find which I decided to leave "well enough alone."

Carex cephalantha. By all means change muricata, var. to this, if you will be so good. I am glad to know that you consider this specifically distinct.

Sisyrinchium graminoides. I remember your discussing this question with Victorin last year. Please make the appropriate correction for me. The other cases (Corylus, Barthenocissus, Cirsium and Aster) are perfectly clear and simply represent slip-ups on my part which are inexcusable. I am greatly indebted to you for taking the trouble to check them.

Have you any idea how many issues it will require to run this thing through? Not that it matters, except that I was hoping it would not run over into Vol. xxxiii for mere bibliographic reasons. Another thing, I was wondering whether you considered it at all desirable to have a map of the islands. I could easily prepare one on any scale you suggest if you decide in favor of this.

I have been much amused at the questionnaire which has just come to me from Conard respecting the 1930 Cleveland meeting of the systematic section. The tone of the whole thing is so lacking in dignity and the suggestions put forward so naive (for instance: "Shall we have a new Gray's Manual?") that I find it difficult to formulate the well-considered reply which the secretary solicits.

I surely appreciate the pains which you have taken to insure accuracy of citation in my list. I hope that your troubles in this respect are over and that the balance of the copy is free from blunders. Rest assured that I shall be glad for any corrections which you may see fit to make.

Most sincerely yours,

I don't know what to say to you about the questionnaire. I thought that represented your feelings as to the questionnaire. If you really have no convictions I should be inclined to follow Swenson who certainly seems positive enough about the matter.

I know you had said that you had been arrested and someone had it in my notes that you were very disagreeable. I think to find which I believed to have been "well enough alone".

from Fernald

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator  
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LESLEY C. WILCOX, Bibliographer  
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Feb. 26, 1930.

Dear Fogg:

*Have just seen the statement of \$200 deficit  
this season. Great! No publications!*

Just a word to thank you for your letter of the 24th and for the inclosure about my brother. The latter I had seen as a newspaper clipping, but rather keep this more dignified form.

In regard to a map of the Islands, I feel that every one would greatly appreciate having a map ~~and incidentally, if you felt that a few half-tone photographs showing the characteristic features of importance would be worth while, we should be glad to use them.~~ I am figuring on getting the publication started in the June or the July number and having it finished by the September or October, all depending upon the number of pages when the material is actually set up. Personally, I have always made it a point to get a continued paper finished within one volume, since it would make a good deal of complication otherwise.

We have now on hand between 250 and 300 pages of manuscript ready to go to the printer, and this does not include anything of the Newfoundland reports except one or two incidental revisions, and at the present rate of progress, I do not see how I can get the revisions completed before next winter, so that the Newfoundland report cannot start before the next volume.

You may not know that, with the support of Long, we are going to have a remarkable series of portraits of the more important new or critical plants which my assistant, Reup, is making. Just at present, beginning yesterday, he and I are monkeying with microphotography in trying to show the surfaces of the achenes in Taraxacum. Antennaria yielded 6 new species, including A. Foggii, the one we called ellipsoidea at Port au Choix, and the genus Taraxacum has already yielded 5 new species and I am only one-third of the way through the group. The achenes have beautiful characters which have never been utilized. For instance, all the Newfoundland material which has been called T. ceratophorum has the achenes densely pilose, while the plant on the cliffs at Bic 500 miles away, and looking exactly like the western Newfoundland plant in every superficial detail, has a much smaller, more slender and less muricate achene which is absolutely glabrous! The pilose achene is apparently a novelty in the genus, at least I can find no species of Handel-Mazzetti or of Dahlstedt with any appreciable pubescence. Then, after Taraxacum, which is going to last me some weeks, will come Euphrasia, which will require many weeks of detailed study before it is resolved into its final elements; and going backward, ~~and~~ it is a long way back to the queer fern of the Port au Choix barren, Thelypteris spinulosa, with glandular indusia.

I, too, have been wondering just how I can answer Conard's sophomore questionnaire. It is thoroughly typical of him as I know from the fact

that he spent a whole year at the Gray Herbarium and never rose above the small college point of view. Incidentally, one of his perennial pleas is a letter to Dr. Robinson or me urging us to send him the names of all the Manual plants according to the International Rules, — as if one could sit down and dash them off without any consideration. His proposition which you quote is particularly amusing, in view of the fact (which I am willing to tell you in strict confidence with the understanding that it is not to be passed on whatever) that all this year, Weatherby and I have been ~~wandering~~ without consulting Conard on the proposition which he feels that the Botanical Society should settle! I think a symposium on Conard's subject with Coville, Rydberg, Mackenzie, Farwell and Marcus Jones as speakers would be worth putting on the radio!

Do not forget that you promised to come to Cambridge during your Easter vacation.

Very sincerely,

M. L. Fernald

MLF/EMG

*Diplacne occurs at Seabrook, N.H. then jumps to Block Island & north of the Connecticut except for Nantucket & Elizabeth's Is. (Rather regular!).*

Fogg to Fernald

April 13, 1930.

Dear Chief:

This has been almost the busiest of springs. It seems to me that I accomplish nothing but getting material out for one class and putting it away before the next one. I have two groups this term in systematic botany and it certainly keeps me hustling to prepare herbarium as well as living demonstrations for them.

I have finally managed to finish a map of the Elizabeth Islands which, while not done to my complete satisfaction, is better than my first two efforts. It is on its way forward to you, but my fear is that it is even now too late to be included. If so, I have only myself to blame; it should have been done long ago.

Long has shown me your MS of the proposed Cambridge address, asking for my criticism and suggestions. I have gone over it rather carefully and there seem to me to be a few points that will bear checking. Probably, however, these are all matters which you yourself would catch, as the present copy is obviously but a rough draft of a preliminary sort. I am to have a sitting with Long this afternoon on the subject and he will pass along to you such observations as I may make plus his own much more valuable ones.

As to Marshberger: You will find enclosed a paper by him, which I had in my files, in which this matter of the derivation of the Coastal Plain flora from the Appalachian Uplands is referred to and you will see that he had some conception of the problem involved. I doubt if he fully appreciated the significance of the subject he was treating, for we know that he lacked first-hand knowledge of the plants themselves. It seems to me that he has developed this idea further. I shall make a search and let you know later. The present paper is merely the first thing that sprang into my mind when Long mentioned the subject to me.

The season is well advanced here and I am hoping within the next few weeks to get in some trips to less well explored portions of our local area.

Most sincerely,

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. SANBORN, Librarian  
LESLEY C. WILCOX, Bibliographer  
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

April 25, 1930.

Dear Fogg:

Thank you very much for the loan of this paper by Marshberger which has raised the late J. W. very much in my estimation. What a pity that I could not have praised him earlier! As you say, he partially sensed the situation, but it is not clear that he understood its bearing, but in my paper, as I am finishing it up, I am naturally giving a footnote reference to this publication.

You speak of various suggestions which you had to make and Long writes similarly, - that after going over the rough draft with you, you agreed to write me of various things which you felt were geologically unfounded. I have been waiting for a couple of weeks for these memoranda, and shall be very grateful if you can get them off to me, even in the most sketchy form, since, naturally, I do not want to be too far out of date in my geology.

I have checked my paper over with my opposite neighbor, Daly, who says that I am perfectly right. I have checked it also most carefully with the writings of Schuchert, Twenhofel and my old friend W. J. Miller, Alcock, Coleman, Meckling and other students of historical geology whom I have leaned upon pretty heavily. If, as I say, I have overlooked important points which contradict the decisions of these geologists, I do not know personally just where to turn.

Weatherby and I are going over the galleys of your thesis as they come from the printer, but only about two-thirds of the matter is yet set up. As soon as it is all in I shall send it to you and ask particularly that you get back very promptly the proofs of the short articles which I want to publish before the longer paper. The map came in good season and the engraving is already made.

Very sincerely yours,

*M. L. Fernald*

● "Now, you'll excuse I, gentlemen, won't you?"

MLF/EMG

P. S. A large carton containing 620 sheets of last summer's Newfoundland things (all that are yet worked up) is going forward to you by express.

May 2, 1930

Dear Chief:

I did not know until a day or two ago, when Long gave me your letter of April 25th with its enclosures, that the memoranda which you desired would be of no use to you after May 1st. I am sorry for this, for I could have rushed them thru earlier, despite the fact that I am besieged with quiz books from one class and term papers from another. As a matter of fact, your footnotes have answered many of my wonderings and clarified several statements which had previously seemed just a bit vague. There are still a few points, however, which I would like to raise, and in so doing I shall follow notes that I jotted down upon first reading your rough draft, except for the typed pages 5-8 which I have before me and which I presume represent your ideas in final form.

Concerning the terms "Appalachian" and "Alleghenian", which, it seems to me, you use interchangeably, for at the outset you speak of the Alleghenian Uplands, etc. If I understand correctly the interpretations of Bowman, Lobach and others, Appalachian is the more inclusive term employed to designate the entire mountain system derived from the old Appalachian geosyncline of Paleozoic times and extending from the southern states northeast to Labrador, or at least to Gaspe Peninsula. "Alleghenian" - much more restricted term - stands for the Alleghenian subdivision of the Pennsylvanian period and is used locally for the mountains of western Pa., W. Va., etc. On the chart of the Physical Divisions of the U.S., published by the Government, the term Appalachian Highlands is given to the third of the major divisions with its 7 provinces. I judge, then, that the "Alleghenian Life Zone" really follows the Appalachian system, at least southward. This is a minor point, perhaps, but one that seemed to me might not be clearly understood by foreigners.

When Antevs spoke here last winter he seemed inclined to place the date of the beginning of the retreat of the Wisconsin Ice at an earlier time than he had previously set, mentioning 35,000 as a more probable interval than 25,000, and saying that even this might be too short a time. You are doubtless more conversant with his views than I, but I do notice a tendency in current literature to question the accuracy of his varve determinations and to insist upon a longer interval.

You say that since Cretaceous the inner coastal plain has been available for Angiosperm occupation. My only thought here is that portions of the inner plain may be just as recent as the outer plain. For instance, in our area it would seem that some of the deposits of western New Jersey are even more recent than those of the central and eastern parts of the state and probably this is likewise true of certain areas to the southwest. This is but a local feature, however, and may not at all apply to what you have in mind when you speak of the inner coastal plain. There were so many oscillations in southern New Jersey during late Tertiary that in only a few places is ~~the~~ even the Miocene fully exposed and it appears that ~~far~~ by far the larger proportion of the soils are Pliocene or, preferably, Pleistocene.

-2-

I have often heard you speak of the southern portion of Europe as having constituted the bed of an extensive Tertiary sea and I do not doubt that you have abundant authority for the statement. I happen to have seen some maps not long ago which conveyed the impression that the submergence was not nearly so general as I had supposed it to be. You except the Iberian peninsula, of course, but was not Cenozoic a period of general uplift throught this region, i.e., the entire Mediterranean Basin? If you have carefully checked this against modern ideas I should be very glad to know of it and shall willingly withdraw my tentative objection.

Your insistence upon the sharp segregation of eastern North American and Asiatic forms is interesting and a bit surprising for, knowing nothing about it, I had been holding to the classical interpretation of a close similarity or even, in many cases, specific identity between the floras of the two regions. Here is certainly a chance for a great big piece of careful comparative study. I was hoping you would take up the time elapsing since our Alleghenian flora was separated from that of Europe as compared to the that ( all of Cenozoic, I suppose ) which has witnessed the segregation of the Alleghenian-Asiatic relationship.

In connection with the uplift which occurred in eastern N.A. at the close of Cretaceous and resulted in the formation of the present-day Appalachian Uplands there is one point I should like to mention: It seems clear, according to our local geologists, that there was not one but two distinct periods of elevation. The uplift that took place at the end of Mesozoic, or in early Tertiary, along the streams to cut their valleys deeply along belts of softer rocks leaving the upturned harder edges to stand as mountain ridges the crests of which equalled the level of the old peneplain. Then, at the end of Miocene or early Pliocene, a second uplift resulted, among other things, in throwing many of the streams out of their old courses thus forming the wind-gaps which are such a conspicuous feature of the Alleghenian topography. It was at this time the the landscape of the present day was created, for since that uplift erosive forces alone, including glacial action, have been at work. I am not sure that this point is at all an important one for your purposes, since it may not materially influence the migration of plants eastward to the newly available coastal plain, but it does seem to me worth while remembering that the phenomenon of uplift was a double one.

Further on you speak of the fact the elevation which continued throught Tertiary resulted in the recession of the marginal seas, " extending the emerging continent a full 100 miles eastward to the margin of the present continental shelf." I should be glad, merely for my own information, to know if you have come across anyone who is willing to say at just what period the continental shelf was exposed to its fullest width. I had a long talk last week with Frank Leverett, who was here attending the meetings of the American Philosphical Society. He is working on the problem of coastal subsidence as correlated with glacial

action and he tells me of the recent working out of a large fresh water lake on what is now Long Island Sound. This lake, which was probably post-Wisconsin, finally spilled out west of Montauk Point and the submarine channel which it carved, similar to that of the Hudson, has been traced for many miles seaward. This suggests that the coastal elevation which means so much to all us botanists may be placed late enough to make everyone happy. Incidentally, Leverett told me that an entirely new conception of Pleistocene glaciation was that it had proceeded from east to west instead of vice versa. That is, the Labradoran preceded the Keewatin which in turn came before the Cordilleran. He wanted to know how this affects your interpretation of plant migrations.

You say, "in favorable habitats at different points on the now uplifted peneplain we find relic-colonies of such tropical or austral genera as *Schizaea*, *Lygodium*," etc. Now, do you mean by this that the Pine Barrens of N.J. are on the now uplifted peneplain or are you referring to the occurrence of *Schizaea* and others in Nova Scotia and Newfoundland? My point is that as I read the opening portions of this sentence (p. 6) I expect you to mention such examples as, within our area, occur only west of the Fall Line since that alone is the region, as I understand it, to which the term "now uplifted ancient peneplain" can accurately apply. If the Fall Line was the shore line of the continent at the end of Cretaceous, at which time the peneplain was reduced nearly to sea level, then how can the area eastward (on which *Schizaea*, *Lygodium*, *Eriocaulon*, *Xyris*, etc. largely occur) be included as a portion of that peneplain? Or are there really stations for *Schizaea*, etc., on the Appalachian uplands?

Your insistence upon the migration from boreal regions of our pre-vailing tropical groups (in Cretaceous or early Tertiary) was a bit surprising at first, but I think the conception is a very helpful one; it certainly is borne out by the fossil evidence.

The only other thing I shall speak of is your northern Atlantic connection via Greenland. I had not known that this connection existed definitely as late as Pleistocene. If there was an interchange of plants between Europe and N.A. then, with the coming of the ice, did they migrate southward (granting that glaciers ever really cause plants to migrate) or did they persist on the nunatak areas? If the former then, of course, they have moved northward again from south of the moraine, if the latter, then they have merely moved out from the unglaciated centers. This question, which you have so clearly stated in your Ithaca paper, seems to me just the least bit vague here.

In conclusion let me say that all of these points which I have raised seem to me minor ones and that I like your paper immensely. You have drawn together certain broad lines in a new way and where you have restated old relationships you have generally illustrated with new examples. It seems very presumptuous in me to offer the slightest criticism but I have been encouraged to record these reactions merely because I felt that

-4-

they might be those which any one else hearing these views for the first time might experience.

I found time a few days ago to open the Newfoundland box and go thru it and I can not tell you how delighted I am with the lot which you have sent me. You have been more than generous in sorting out things for me and I am greatly thrilled to have such a splendid representation of our summers findings here. I am getting together a series of my own things from Delaware and Maryland which I shall be sending up to Weatherby before long.

I hope to hear something of your summers plans, when you are going and where you are going to be working. I suppose you are taking many problems with you for comparison. If you do not expect to get to France and there is anything that I can look up for you at the Jardin des Plantes or elsewhere I wish you would let me know.

Most sincerely,

from Fernald

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator

CAMBRIDGE, MASSACHUSETTS, U.S.A.

May 6, 1950.

Dear Fogg:

Thank you very much for your full letter with the reactions which I am very glad to have, but which I cannot comment upon very satisfactorily just now as I am buried in Rhodora proof and wait a clearer time to check the points you make.

In general, I may say, the atmosphere this year has been intensely geological with a member of the Canadian Geological Survey here as a research fellow, a professor from the Graduate School of Geography & Geology of Clark University working here as a graduate student, and Anderson, a former instructor at the University of Tennessee working toward the doctorate, and with a very keen knowledge of the flora of the Cumberland Plateau and other parts of the "uplifted peneplain", as well as with a clear understanding of the lithology and geology of the southern Alleghenies; so we have had a great deal of very lively discussion in Botany 10 along purely geological lines. (I forgot to mention an instructor at Tufts, who is taking 7 and 10 as a partial foundation for his career in paleobotany.)

I realize that the new warp toward the tropical types of eastern America having reached us when the Appalachian region was base-level, is a bit startling at first, but there was not room in the brief paper to give all the data. If you were on the spot where I could show you all the stuff I have from Schuchert and others, you would see at once that there has been no opportunity since the Permian for the groups which are now in the Tropics to reach us from tropical South America, but that since all those for which fossils are known were originally boreal types, the one landing place for them in eastern America was the region which was standing above the Cretaceous seas and which connected by way of the Laurentian shield directly with the continuous arctic area. I did not intend to convey the idea that the relics on the now uplifted Peneplain are relics upon the Coastal Plain, but I have dug out stations on the highest southern Alleghenies for several of the genera, and recently Parthecium (Alabama) has been added to the list. *Anderson has Lycopodium &c. &c. on the Cumberland Plateau*

As I say, I am very glad to have your reactions, and in revising my manuscript for final use shall naturally take them into account, for if points are not clear to you they certainly would not be clear to those who are less familiar with the situation.

This will accompany a big batch of proof which Weatherby and I have gone over with such care as we could with a single reading. I hope it will be possible for you to correct the shorter papers and get them to me promptly, since, as you know, we want to use these before the long paper is started.

I have ventured to make over the paragraph about Coelopleurum, since

you had apparently overlooked the somewhat general occurrence of the species on the coast from Plymouth County northward. I am inserting a sheet of memoranda which is enough to make the point clear.

In the paragraph on *Tipularia*, I am afraid it will be necessary to do a good deal of recasting, and naturally this is a bit unfortunate as the under-current through the article involves the error, but with a little study I think you can make the changes necessary. Perhaps it is my fault that you did not look these things up further, for I have never, myself, looked into the matter, and possibly may have given the impression that there was nothing to look for,— but I do not remember all the details. At least it is a good illustration of the fact that you can't accept any one else's ideas without verification! Incidentally, the responsibility for statement about the Orchids in the 7th edition of Gray's Manual is wholly with O. A., not with the editors of the Manual as a whole!

In the longer paper on the Elizabeth Islands there are many minor things which we have noted on the proof and which, I think, will be fairly clear. A few of them, however, may need comment. On galley 12 it seemed only polite to insert the name of Miss Heatly, since I had corresponded with Prof. Otley and she had told me in a letter intended for your use about Miss Heatly's making a collection of some hundreds of species which were at your disposal. If we omit her name now it might appear a bit rude, in view of the fact that the Wellesley women are a bit touchy about the men doing most of the publication! It also seemed to me that in view of William Oakes's very productive visit to Marthas Vineyard in 1829 it would be worth while to slip his name in somewhere in the paragraph.

The change from "generously circulated" was to avoid the adverb which might imply a motive not intended, as they were used in exchange and, as a matter of fact, want to a very few places. The list in the 4th paragraph strikes both Weatherby and me as not a typical one for rich soil, as we know rich soil, the plants being chiefly, if not wholly, on the peaty or sandy pond margins; and a little farther down it seemed wise not to emphasize quite so much the Canadian aspects, since most of the plants are hardly Canadians and many of them do not reach the Canadian zone. Such species as the two *Panicums*, *Sinna arundinacea*, *Glyceria acutiflora*, *Cirpus debilis*, etc.

In the last list on galley 13 Weatherby and I thought a few names ought to be dropped as not specially distinctive of the middle Cape, since they occur generally throughout New England and a large part of eastern Canada + westward. These are indicated by the dele mark. In some cases like *Carex crinita*, the plants represented in the Club herbarium are wrongly identified, similarly with *C. stricta*. *C. leptalea*, var. *Harperi* we cannot find anywhere in Massachusetts and do not know on what you base the record. *C. blanda* is in the Club herbarium only from Sandwich and westward, with the exception of a slight overlapping in the western part of Barnstable. The only collection of *Cornus florida* was from a single tree growing in the morainal hills in the northern part of Harwich. Similarly *Linum medium* is so rare on the middle Cape that it is certainly not in any way typical of the region. *Ceanothus* of the middle Cape is the southern var. *intermedius*, and before this paper comes along I shall have an article upon it.

On galley 14 it seemed wiser to cut out the *Polygonum* as its identity is doubtful; similarly the *Erigeron* <sup>is</sup> open to question. *Lactuca floridana* is at its northern limit, and not a good illustration of northern affinity.

On galley 16 a few omissions are recommended of plants too general and too northern in their extensions to fit into the list very well, and in one or two cases the names are altered to fit more recent study.

On galley 17 *Glyceria acutiflora* is unfortunate as a northern type, since it barely reaches southern Vermont and has a single station in the southern corner of Maine and is unknown farther north. I never saw it but once in my life, and that was when I was with you.

On galley 18 there are a few species which are suggested for removal as not continental or Alleghenian, but essentially of Coastal Plain distribution. These, I think you will agree with, at least Stebbins in his recent paper flatly treats *Calamagrostis* as Coastal Plain dispersal and Wiegand and you (in the later part) do the same with the *Eupatorium*. A. P. Brigham has always been, so far as I know, at Colgate University, and the directories which we look up show that he is an Emeritus Professor there at the present time.

On galley 20 it seemed desirable to add Duggar to the list, since the type of *Ruppia maritima*, var. *subcapitata* was of his collection; at least under *Ruppia* it seemed worth while to add the type specimen since it came from Maunson.

On galley 21 it is questionable whether the planted trees should be included any more than other planted things which are not naturalizing themselves.

In several places I have corrected something and have noted "as in original copy" or something of the sort. In these cases I shall be glad if you can send back the sheet which has the original copy, although there is no need of sending back the whole bulk. I want to inclose these sheets of the original to the printer, since he charges up every second put into correcting the proofs and there is a rather impressive lot of corrections to be made due to their missetting in the first place.

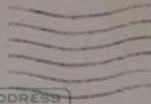
If you can get the proof of the small articles back to me within a week I shall be very glad because I want, if possible, to use them in the June number. The other I should be glad to have as early as possible in June, since I must make up the summer numbers before closing off work here.

Very sincerely yours,

M. L. Fernald

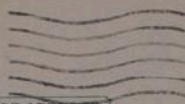
Summer: looking into identities at Brit. Mus., Kew, perhaps  
Edinb., & L'Herminier's herb. at Paris -

MLF/EMG



THIS SIDE OF CARD IS FOR ADDRESS

Mr. J. M. Togg,  
Dept. of Botany,  
Univ. of Pa.  
Philadelphia,  
Pa.



THIS SIDE OF CARD IS FOR ADDRESS

Mr. J. M. Togg,  
Dept. of Botany,  
Univ. of Penn.,  
Philadelphia,  
Pa.

## GRAY HERBARIUM OF HARVARD UNIVERSITY

CAMBRIDGE, MASS., May 15, 1930

Thank you for letter & proof. If you can get  
*Paspalum* paper back by Monday it will be O.K. for  
 June no. Sorry to have to push you. We are  
 all in same boat. I represent (against my will) Bot.  
 on the Provisional Final Exam. board & have 78 essays  
 on hand to read & rate - mostly on genes,  
 hormones & oxidases. But 7 leaves  
 tomorrow for the Exam. Note. Wish you were along -  
 M.L.F.

A.C.C. Friday evening distribution  
GRAY HERBARIUM OF HARVARD UNIVERSITY

CAMBRIDGE, MASS., May 9, 1930

Dear Fogg,

Yours no. 3379 from E. End of Stonemanet is  
Carex peorsia E.C. Stone, not C. incompta as  
 listed. Pennell's material listed as incomp. is  
 O.K.

Hastily,

M.L.F.

May 17, 1930.

Dear Chief:

I am returning herewith proof of the Tipularia paper which, according to your welcome postal of May 15th, you say you can still use if it reaches you by Monday. Although in the midst of a hundred other worries, I have found time to make such corrections as I thought fit and now submit the results for your approval. If it still appears weak to you please discard it altogether.

In the first place, I have decided to alter the title so as not to involve me in more than a local phase of the question. Does this not seem wise to you. You apparently overlook the mild sarcasm involved in my second footnote. Latham reported his plant under the name of T. uniflora, not unifolia. This seemed too good to pass up; carelessness on his part or that of the editor or both, obviously enough. At least, I could find no uniflora in the literature.

I believe that the section which I have inserted, if it can be easily incorporated, will fit in clearly with the story and will make it evident that all that I have in mind is to call attention to recently neglected records and to add a new one. As I see it, it puts the whole thing squarely up to O.A., who evidently made no greater effort to be accurate here than he has elsewhere. And I should have fallen into the same error had it not been for you.

Did Oakes's account appear in Hovey's Magazine? I was not sure that I understood your abbreviation, and if my citation is wrong I hope you will correct it. I hope, also, that you will accept my appended acknowledged of your valued aid. As I said last year, credit for this whole thing should really go to you anyway and my invitation to place your name ahead of mine, or instead of it, still stands. Incidentally, if the corrections which I have made prove too costly, please send me the bill.

I was glad to learn of your proposed trip to the Green Mountains and certainly wish that I might accompany you. My field work this Spring has so far been confined to necessary trips with classes at the rate of twice a week.

Thanking you again, and Mr. Weatherby too, for your kind suggestions,

Most sincerely,

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. WILCOX, Bibliographer  
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.  
May 23, 1930.

Dear Fogg:

Just a word to say that in making up the June Rhodora, Weatherby and I took the liberty to omit the last paragraph which you so conscientiously inserted, thanking me for suggestions. As a matter of fact, in our editorial capacity, we are apt to make suggestions to every author, and those made to you were really very minor and we rather disapprove of having a special vote of thanks appended at the end of each article, so I thought you wouldn't mind if ~~we~~ left off the paragraph.

I am making up the summer numbers of Rhodora so that they can be turned back to the printer for paging whenever their appropriate times arrive, and I have assumed that there will not be any great change in the bulk of the long Flora over what is already set up and what Weatherby and I have suggested.

I have just got through examining 39 seniors in Biology; after a short interlude we shall begin on the doctor candidates at the end of the week. In the interval I am trying to determine the Newfoundland left-overs, so far as I can. What shall I do with the undescribed Danthonia? I hope you will be willing to take this and the rest of the material in the Autumn and bring your study to a definite conclusion.

In haste,

Very sincerely yours,

MLR/FMG

*M. L. Fernald*

June 3, 1930.

Dear Chief:

Here, at last, is the Elizabeth Islands galley proof with such corrections as I have been able to make on it. I should have returned it earlier, as the total amount of time required on it was not great; but I have been unable to work consecutively, due to the exigencies of the season.

Thanks to your keen eye there has really been very little for me to do, but I have gone thru the sheets twice with as much care as I could and hope that there are no glaring errors. Several matters may require a few words of explanation, so I will turn over the pages noting in chronological order anything which may not be self-evident.

The note on William Oakes deserves to be longer and you may care to augment it; I did not desire to add to the bulk of corrections by citing such records as Polygala Nuttallii, Tipularia, Amaranthus pumilus, Andropogon macrourus, etc., the knowledge of which I owe to you.

For your correction on the list of middle Cape specialties (galley 13), as well as on all other such lists, I am immensely indebted. I feared I might go wrong in such matters and am very glad to have your critical suggestions. Usually I have made a qualifying statement, for example, "the overwhelming majority of species, etc.," indicating that not everything on the list was supposed to exhibit a particular relationship, but it is probably much better to have as nearly uniform a series as possible.

The errors in identification of NERC material, principally Carex, reflect my own ignorance and the tendency, which I thought I had largely avoided, to accept herbarium labels at their face value. I have not known always whether to erase your marginal notes, and while I have occasionally done so, I have more often left them for you to treat as you saw fit, feeling that they might still be explanatory for you.

My reason for omitting Duggar was that Pennell told me that the sheet of Ruppia was really of his own (F.W.'s.) collecting. The specimen in the Woods Hole Herb. which is labelled co-type bears Pennell's name and number only. You are quite right, however, in insisting upon Duggar's name, since it appears on the real type sheet.

Unfortunately, I have not noticed in reading the proof sheets your comment "as in original copy". So I have gone carefully thru and checked each correction against the original and where the error was clearly the printer's I have enclosed the appropriate sheet

-2-

of copy with a red check mark opposite the place concerned. I hope that this will keep down the cost of resetting for you. If there are any other sheets which you desire and which I have not set, just let me know and I shall send them to you special delivery.

I should like very much to retain in the Catalog the trees mentioned on Galley 21 and elsewhere, if it is all the same to you. In the first place, they form such a conspicuous feature of the vegetation in places that it would be a great oversight to omit them. There are miles of Spruce, Pine and Larch on Naushon, and anyone using the Catalog in that region would think it very queer that all mention of these trees was lacking. In the second place, a few of these are probably spreading, and in the light of our future interest in the islands it seems well to have on record their present status. In this connection it is only necessary to recall how interesting to us today is Hollick's statement of the behavior of Cytisus in 1898. I have, of course, drawn the line at Trumpet Creeper, Poraythia and other things planted around the dwellings.

A word as to the use of commas in such expressions as, "dry, sandy hillside," etc. At first I had commas wherever two adjectives occurred together, then, noticing that in your Nova Scotia paper you frequently used two or even three adjectives without a comma, I went thru and removed them, save where their absence caused confusion. I note that you have in most cases replaced them.

On Galley 26 I have suggested a footnote referring to the Tipularia paper in the June Rhodora. I leave this entirely in your hands; if it can be inserted in time all right. And on Galley 28 I have questioned the spelling of Roripa. Is it double-p? I ask merely for my own information.

Finally, the matter of referring to page numbers in the text. This can only be done, of course, after making up page proof, but to assist you in finding just what I had in mind I have pencilled in the Galley sheet on which the matter referred to appears.

I hope that I have taken care of all important matters and that this job will occasion little further concern.

As to Danthonia, I shall certainly hope to tackle it in earnest in the Fall. What little spare time I have had this year has gone into working over ~~many~~ hundreds of numbers of back collecting, and now that I am caught up I shall count on being able to get down to something worth while.

Very sincerely yours,

Gray Herbarium



Harvard University

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

M. L. FERNALD,

Fisher Prof. Nat. Hist. (Bot.)  
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RUTH D. SANDERSON, Librarian  
LESLEY C. WILCOX, Bibliographer  
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

June 11, 1930.

Dear Fogg:

Just a word in answer to one or two queries in your letter of June 3rd. You ask about the spelling of Rorippa. This was the original, and naturally the only one which is allowed. The spelling "Roripa" being an unjustified alteration.

The foot notes and, of course, the proper page citations, when the page proofs are made up will be inserted. (This latter is a regular automatic performance in each number).

*missed, probably  
spelling!* As to your comas, I inserted them more than I should in my own writing in response to a request by you in a letter asking that I do so if I didn't have strong objections! You seem surprised now, and I am not quite sure whether you want them in or out.

I haven't yet had time to check on the valuable suggestions and criticisms of the first draft of the Cambridge lecture. You may be sure I shall not do anything extraordinarily naive, but the more I look into the relic persistence of Coastal Plain types on the whole elevated Penepain all the way from Newfoundland to Mexico, the more clear it becomes. Incidentally Narthecium (Abama) has just been added to the list from one of the North Carolina tablelands, and Helonias from the same region only shortly before. I have been over the matter with our geologists and several of the zoölogists who say that this interpretation is the only logical one, judging from their own points of view.

As to the degree of identity between eastern America and eastern Asia, it is, of course, rather large in the species which are circumpolar and which have identical varieties segregated between the two continents. It is also rather extensive in the ferns, but a recheck fails to reveal more than 3 species of Angiosperms which are admittedly identical between eastern Asia and eastern America to the exclusion of the rest of the Northern Hemisphere. Then there are half a dozen or so debatable cases where some people consider the species distinct, others are treating them as geographic varieties. Added to those are many hundreds of cases of di-types or small genera with the eastern Asiatic and eastern American species treated by every one as thoroughly distinct. The strong relationship is in the sections, subgenera, <sup>and</sup> genera rather than in the actual species.

I suppose that you, like all of us here, are more than busy, so do not trouble to reply to this unless there is something requiring attention.

In haste,

Very sincerely yours,

*M. L. Fernald*

MLF/RMG

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. WILCOX, Bibliographer

LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Oct. 4, 1930.

Dear Fogg:

Just a brief word in the middle of the Autumn rush to say that your Sigma XI Quarterly continues to come addressed to the Gray Herbarium. We should naturally be glad if you will communicate with the journal and ask them not to send it here any longer. I am not quite sure whether all the past numbers have been forwarded to you or whether you want them forwarded. I will lay this number, which has just come, aside until I hear from you, but naturally we do not like to throw such things away; but if they are stored they simply become a permanent obstruction.

I hope you and Mrs. Fogg had a good trip coming back and that the year is starting satisfactorily, and incidentally that you are leaving sufficient time to tackle Danthonia and some of the other problems which are left over.

I got over to Paris and checked a good many points in the Michaux Herbarium and also went through LaFayette's huge manuscript Flora of Newfoundland and extracted several records of species new to North America. Now, of course, we are in the crowded condition of the first of the year and Botany 7 is a bit overwhelming with 28 regular students and visitors at the lectures, so that the laboratory facilities are pretty cramped. The next week-end, which is a long one, will see us all in Franconia Notch, probably climbing Mt. LaFayette on Sunday.

With kind regards to Mrs. Fogg and to my friends at the laboratory, in haste,

Very Sincerely yours,

M. L. Fernald

MLF/FMG

From Fogg  
Botany Dept., U. of P.  
Philadelphia, Pa.  
October 24, 1930

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

Dear Chief:

I'm mighty sorry that mail for me continues to bother you at Gray. It seems almost impossible to divert human streams from their channels sometimes. I told our Sigma Xi secretary, in no uncertain terms, of my change of address last year and he promised that no further slips would occur. Nothing to do but try again, I guess. As to my copy of the "Quarterly", please relegate it to the waste basket. There is almost nothing of interest in it anyway and I seldom read it.

My plans for a serious attack upon Danthonia have been knocked awry by Taylor's leaving. This has resulted in my falling heir to his courses on the Algae and Bryophyta, both graduate courses. The former are not so bad, since I dabbled in algae considerably during Woods Hole days, but the work on the Hepatics and Mosses is taking every spare moment of my time. The field is one with which I am not familiar and each lecture has to be ground out with painstaking care. Once done, however, I shall never have it to do again and the other good feature of the situation is that both courses are given for the first semester only. So by mid-year I hope to be in a position to attempt something to justify my existence and at or before that time you may expect to hear evidences of activity and a request for loan of material.

I believe that I originally ordered 200 copies of my Elizabeth Islands paper. Would you be so kind as to change that to 300? I have already heard from so many people who desire copies that I fear 200 would not go very far.

Long has been telling me of your tussles with Elymus and they certainly sound like old times. I wish I might be on hand once more to hear all that is going on.

The little spare time that I find around the herbarium is mainly devoted to training two brand new assistants in the routine of mounting, distributing, etc.; also, I wish to clear off a few hundred numbers of last spring's collecting before starting anything new. So I am not quite idle.

With best wishes to everyone at Gray,

Most sincerely,

Gray Herbarium



Harvard University

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

CAMBRIDGE, MASSACHUSETTS, U.S.A.  
Oct. 29, 1930.

Dear Fogg:

I have registered your tentative promise to get at Danthonia later in the year. I shall noisise the matter about so that many people will know it and if you slip on your promise you may expect universal condemnation!

I am so far behind on the gossip that I had not realized that Taylor had left. When you have a chance just give me a memorandum so that I will know where he is.

In regard to the reprints of the Elizabeth Islands paper, I have noted that you want 300 instead of 200. In this connection I would say that as an author of one of our Contributions you will receive 25 copies from the Gray Herbarium; and, incidentally, copies as Contributions will go to a very large number of people to whom you might have expected to send a copy. In other words, there is likely to be duplication unless some check can be made. If there is any possible hope of your getting up here during the early winter so that you can check on our mailing list, that would be the simple process. The paper will be finished in the December number and reprints ordered immediately. If you can't get up, please give us a memorandum of prominent botanists and institutions you are sending to so that there won't be duplication.

With kind regards to Mrs. Fogg whom I was sorry to have seen only in hasty passages at Cambridge and Hampton Court, etc., I am

Sincerely yours,

*M. L. Fernald*

MLF/FMG

from Fogg

Dec. 31, 1930.

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

Dear Chief:

The only mistake I have noted in the Islands paper and which has not already been caught in the list of ERRATA is as follows:

Page 242, line 30: for sommon read common

My only other suggestion would be that on page 248, 7 lines from the bottom, the spacing of Washawena might be changed to Nasha-wena instead of Nashaw-ena. However, this is a trifling matter probably undeserving of notice.

You spoke in a previous letter of the mailing list which I would employ in distributing reprints, fearing needless duplication of the Gray Herbarium Contributions list. I did not respond to your inquiry, for I had steadfastly held to the hope that the holidays might find me in Cambridge where I could check over the two lists myself. However, we have just gone thru the turmoil of moving into an apartment, in the midst of which Helen's family arrived home from a six months stay in Europe. So we have had our hands more than full and my attention has been claimed and is still being claimed by many household matters.

I am therefore enclosing the list which I usually use for mailing with the thought that Miss Sanderson might care to run over it and check off those names which are on your own list. If this entails too much time and effort please do not hesitate to say so but return my list untouched. As a matter of fact, the real reason why I have ordered so many reprints is because there will be many Woods Hole acquaintances, whose names are not on my regular list, who will desire a copy of the paper on account of their interest in the region.

Things continue to be very turbulent at the University, but with the coming of the second term in February I look forward to a much lightened roster and a chance to get down to work; so count on me to revive then.

With best wishes for the coming year, I am,

Most sincerely,

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 Curator  
LYMAN B. SMITH, Assistant  
WILLIAM B. DREW, Assistant  
RUTH D. SANDERSON, Librarian  
MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Jan. 4, 1931.

Dear Fogg:

As it is now getting along into January I am subject to a telephone call to give a lecture at Clark University, where I shall need some of the slides which you have. I am wondering if you sent them back by your sister-in-law, and if so, how I can get at her.

I did not need them earlier, but at any moment from now on, I am apt to have to get them together to use immediately. If your sister-in-law did not bring them back, kindly get them to me by letter post. Sorry to bother you.

Very sincerely yours,

*M. L. Fernald*

MLF/FMG



ADDRESS  
YOUR MAIL  
TO  
STREET AND  
NUMBER



THIS SIDE OF CARD IS FOR ADDRESS

Dr. J. M. Fogg, Jr.,  
Department of Botany,  
University of Pennsylvania,  
Philadelphia,  
Penn.

GRAY HERBARIUM OF HARVARD UNIVERSITY

CAMBRIDGE, MASS., Jan. 8, 1931.

Dear Fogg:

Thank you for the list of addresses. This will be very quickly checked off and returned to you. We will check the names of those who regularly receive our publications and to whom it will be needless for you to send to unless you wish to duplicate.

After waiting a week, I let the paper go through, since the printers were anxious to clear themselves of the accumulated material of six months back before starting the New Year. The one misprint that you note certainly does not do any harm.

Very sincerely yours,

MLF/FMG

*M. L. Fernald*

Gray Herbarium



Harvard University

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

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Jan. 9, 1931.

Dear FOGG:

Herewith I am returning your mailing list.

Those who are checked receive the Gray Herbarium Contributions regularly, and will have a copy automatically from here. Although some of the others ordinarily receive them, we have made a memorandum that you are sending to them.

*Very* Sincerely yours,

*M. L. Fernald*

MLF/TMG

Inclosure

Fogg to Fernald

Feb. 2, 1931,

Dear Chief:

A very annoying mistake has occurred concerning my Elizabeth Islands reprints, as a result of which I have not received a single copy for myself.

Last summer the University of Pennsylvania ordered 300 copies of the paper, as it does of any paper published by a member of its faculty, and this order, signed by Dr. R[H] True went direct from our Purchasing Agent to Lancaster, as it has done in the case of previous articles of mine. Two weeks ago these reprints, unbound and unstapled, addressed to Dr. True, arrived. A week later I wrote to the printer to inquire concerning the shipment of my own copies and just this morning the enclosed letter reached me. Enclosed with this letter were copies of your letters to them under dates Dec. 8 & 31. In the latter you distinctly say "300 copies are ordered by Dr. J.M. Fogg, Jr, Botanical Laboratory, University of Pennsylvania, - to be shipped and billed to him there" How they can have confused these two separate and distinct orders is beyond me. They received, as they admit, the official order from the U. of P, Purchasing Dept. for 300 copies and your order for 900 copies and yet they have printed 900 in all!

I am mighty sorry to bother you with this matter, but I am in desperation as I have promised copies to many people. Can anything be done to persuade them to set up and retype this paper, since the error seems to me to be clearly their own, or is that entirely out of the question ?

Waiting anxiously to hear from you, I am,

Most sincerely,

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. WILCOX, Bibliographer  
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Feb. 2, 1931.

Dear Fogg:

The inclosed letter explains itself.

Naturally I knew nothing about any order apart from yours, since it was not sent to me, and consequently did not give Mr. Stiber any order for the University of Pennsylvania apart from your order which originally was for 200 copies, but later changed by you in a letter of Oct. 24th to 300.

From my view-point, of course, the order from the Editor-in-chief of Rhodora has priority, if there is any difference of opinion, over one from the outside which was not sent to the Editor-in-chief nor communicated by him. However, I do not know how your Purchasing Agent may look at that. I am familiar with purchasing agents, bursars and comptrollers and know that their points of view are not always the same as mine!

We are sending by parcel post the 25 copies from the Gray Herbarium which go to you automatically.

I trust that the misunderstanding will clear itself without trouble.

Very sincerely yours,

*M. L. Fernald*

MLF/EMG

Inclosure

Feb. 2, 1931.

Mr. W. L. Stiber,  
Intelligencer Printing Company,  
Lancaster, Penn.

Dear Mr. Stiber:

I am exceedingly sorry that there has been any confusion about the orders for the reprints of Dr. Fogg's "Flora of the Elizabeth Islands". When I sent in the order I thought it was perfectly clear that 600 were ordered for the Gray Herbarium and 300 for Dr. Fogg, the only order which came to me as Editor-in-chief being Dr. Fogg's in his own hand, for 300 copies, and I naturally knew nothing, and now know nothing except that you write me, about any order sent in from the Purchasing Agent of the University of Pennsylvania.

I cannot help imagining, as you naturally did, that these were duplicating or confirmatory orders for the same copies. I presume that by this time you have received, through Dr. Fogg, who is a member of the Department of Botany at the University of Pennsylvania, confirmation that this is the case.

Very sincerely yours,

MLE/FMG

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. WILCOX, Bibliographer  
LILY M. PERRY, Assistant

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Feb. 4, 1931.

Dear Fogg:

When I wrote you yesterday I naturally did not know that I should hear from you by the next mail. The situation certainly is most annoying. Frankly, I cannot see but that the fault, if any fault is to be placed, lies somewhere between the University of Pennsylvania and the Intelligencer Press. As I wrote you yesterday, I had absolutely no notification of any kind either from the University Purchasing Agent, Dr. True or the Intelligencer Press that the University of Pennsylvania was ordering special reprints. If either or all of them had notified me, which seems to me would have been the regular and business-like procedure, naturally I should have included the University of Pennsylvania in the order which, according to the custom of *Rhodora* for more than 30 years, always goes from the Editor-in-Chief.

Of course technically, the University of Pennsylvania had absolutely no connection with the paper, which was your doctor's thesis at Harvard, and published by the Gray Herbarium, the cost of original publication being paid for by the New England Botanical Club, not by the University of Pennsylvania. Consequently, it is impossible for me to see why the error has not been committed quite outside the Gray Herbarium and the editorial board of *Rhodora*.

Although I feel, and the others of the editorial board, as well as Dr. Robinson, agree with me, that an adjustment between the Intelligencer Press and the University of Pennsylvania ought to be made in your favor, we are naturally anxious to help solve the dilemma without forcing any inconvenience or undue expense upon any one. Realizing that this paper was going to be in far greater demand than the average Contribution from the Gray Herbarium, we increased our order somewhat above the normal. By cutting off many of our regular exchanges and limiting the exchange of copies to those who receive all our Contributions, we shall be able to salvage some copies which we shall be glad to supply you at cost. Already you have 25 copies which are your due as author of the paper (these have been sent by parcel post today). The Gray Herbarium, I am authorized by Dr. Robinson, to state, will let you have 175 copies more at cost. If the University of Pennsylvania will cooperate in clearing up the confusion by supplying 100 copies and the Intelligencer Press will properly bind them to agree with those we will supply, you will have your 300 copies and the Intelligencer Press will be saved the large expense of resetting the paper.

I hope that this solution is perfectly satisfactory.

Sincerely yours,

*M. L. Fernald*

MLF/FMG  
Inclosure

*A copy of this has gone to Mr. Fisher*

Feb. 8, 1931.

Dear Chief: I am certainly deeply grateful to you for the active interest which you have taken in the matter of my reprints, and am only too sorry that the University order went direct to Lancaster instead of to you. I shall try to see that any future order follows the regular channel. Certainly you could not have noted other than as you did and the fault lies, as you say, quite outside the editorial board of Rhodora.

I fully appreciate your offer to let me have 175 copies, but would hesitate to accept it or in any way to inconvenience you or to curtail your quota at the Gray Herbarium. Also, I fully agree with you that this University has no connection with this paper. I do not quite see the policy of redistributing articles that have already received due publicity in qualified periodicals. The University sends out 300 copies of papers by members of its faculty and, in the case of our department, these go largely to obscure foreign universities which return the compliment. This means, fortunately, that elsewhere will be little duplication in the case of most papers, including the present one, but it also means that the U. of P. now is sending out as its "Contributions" papers which have already appeared as the "Annals Contributions" of other institutions to which they properly belong. It may be that there is a legal issue here.

However that may be, I was prepared not only to accept your suggestion that Penn cooperate by supplying 100 copies, which could then be bound and used by me, but to go you one better and ask them to surrender the whole 300 copies when I received word from the Intelligencer Company, as I imagine you have too, that they were resetting the paper and would furnish my reprints at the regular price. This seems to me a very handsome move on their part, especially since they were not wholly to blame, but I feel somewhat guilty about allowing them to do it. They say it will take about ten days to print this material, and if you feel that the proper thing would be for me to try and head them off and to fight with the authorities here for the possession of the U. of P.'s copies I wish you would let me know to that effect - telegraph me collect, if you wish. I know that this is not your responsibility and I should not be asking you to make decisions for me, but I simply have no idea how expensive a thing this is going to be for them (whether a hundred dollars or a thousand) and I would like to do the decent thing.



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THE QUICKEST, SUREST AND SAFEST WAY TO SEND MONEY IS BY TELEGRAPH OR CABLE

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator  
Ass Gray Prof. Syst. Bot.  
M. L. FERNALD,  
Fisher Prof. Nat. Hist. (Bot.)  
CHARLES A. WEATHERLY, Assistant  
IVAN M. JOHNSTON, Assistant  
RUTH D. SANDERSON, Librarian  
HELEN M. GILKEY, Assistant  
WINIFRED E. BURRELL, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Oct. 26, 1931.

Dear Fogg:

At last I am returning the pondweeds which you kindly left with me when you were in Cambridge, 48 sheets, with the names very much revolutionized. Thank you very much for letting me see the material. The monograph, now in its last stages of preparation, has every promise of coming out this winter, and I am ready to wager that it will get published before your monograph of Danthonia!

I was very much pleased to have a couple of letters from you during your Italian wanderings, and hope that the summer went very happily with you and Mrs. Fogg. Kindly extend my greetings to her and to other friends at Pennsylvania.

Very sincerely yours,

*M. L. Fernald*

MLF/FMG

from Fogg

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

Nov. 3, 1931.

Dear Chief:

The package of pondweeds has arrived safely and I have greatly enjoyed going over them noting your decisions with respect to names and entities. It is indeed gratifying to have in our small collection these sheets representing your judgments on so difficult a group. I shall certainly look forward to seeing the completed monograph.

Your wager concerning my treatment of *Danthonia* is likely to be easily won, nevertheless, I have more free time this semester than ever before and am at last getting down to work. My present plan is to journey to Cambridge at Thanksgiving time. The herbarium will, of course, be closed on Thursday, but I shall have Friday and Saturday to work. If your generous offer of the loan of material still holds, I can at least in those two days select such sheets as I would like to have sent on here for study.

I am happy to hear from Long of progress on the Manual, and also that you are planning to write up the journal of the 1929 Newfoundland Expedition. In the latter connection, if my note-book of daily finds would prove of any aid please do not hesitate to ask for it. However, you probably have all the collections chronologically recorded in your own numbering system.

Thank you for your kind wishes to Mrs. Fogg. She will probably accompany me at Thanksgiving time and we hope then to have the pleasure of seeing you and other friends at the Gray Herbarium. Meanwhile best wishes to all.

Most sincerely yours,

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator  
Asa Gray Prof. Syst. Bot.  
M. L. FERNALD,  
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RUTH D. SANDERSON, Librarian  
HELEN M. GILKEY, Assistant  
WINIFRED E. BURRELL, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.  
Dec. 2, 1931.

Dear Fogg:

I am still puzzling over your movements on Saturday afternoon, for I fully expected to have a chance to see more of you and a little more intimately than I had been able to do when I was working under pressure to get certain things through which I had promised to finish.

When you went out Saturday noon I understood that you were coming back in the afternoon, and I can almost swear that I saw the package of lantern slides and some of your other material on the end of the table after you had gone. I was here continuously, having brought a cold lunch, until after six, and no one seems to have seen you here either Saturday or Sunday;— nevertheless your things were gone Monday morning and I had missed the further visit which I had anticipated. Do let me know by what method all this happened.

Very sincerely yours,

*M. L. Fernald*

MLF/FMG

Dec. 14, 1931.

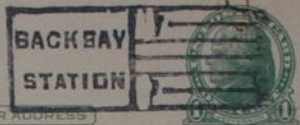
Dear Chief:

I do not wonder that you were perplexed by my failure to return to the Herbarium that Saturday. When I left to go home to lunch I fully expected to be back later and, as you were not in sight when I went out the door, I did not even look you up to tell you that I was taking the lantern slides with me at that time. I reckoned without my "hosts", however, for I found that plans had been made which involved me for the afternoon. I was thus deprived of the more leisurely visit with you to which I had looked forward. Sunday was likewise crowded, although I did manage to stop at Weatherby's, whose house is but a short distance from that of my wife's sister where we were staying, to tell him what had happened to me. It was unfortunate that my visit worked out the way it did; staying with relatives meant that I had less freedom to come and go than if we had been otherwise situated. I shall try to arrange differently next time.

Please accept once more my thanks for the loan of the slides. I sincerely hope that my having them at this time in no way embarrasses you. The talk in which I am showing them will be given this coming Thursday night, and if your ears burn at that time you may know that your name is being taken frequently - and not in vain. As I told you, I can send the slides back at once by mail or, if you have no immediate need for them, follow the somewhat safer course of returning them by my sister-in-law, who will be here for Christmas and will place them in your hands upon her return to Cambridge following the holidays. Unless I hear from you I shall adopt the latter method, but please do not fail to let me know if this causes you the slightest inconvenience.

I certainly hope that things have straightened themselves out for you and that this finds you enjoying the leisure and peace of mind which you deserve.

Most sincerely,



THIS SIDE OF CARD IS FOR ADDRESS

Dr. J. M. Fogg,  
Department of Botany,  
University of Pennsylvania,  
Philadelphia,  
Penn.

GRAY HERBARIUM OF HARVARD UNIVERSITY

CAMBRIDGE, MASS., Dec. 17, 1831.

Dear Fogg:

Thank you for clearing up the mystery. I am naturally sorry not to have seen you again, but we will hope for better luck next time. Do not hurry about the lantern slides as I shall not need them until early in January.

In haste,

Very sincerely yours,

*M. L. Fernald*

Jan. 2, 1932.

Dear Chief:

I would like very much to have your opinion on the following project, provided same can be given, as I believe it can, on the spur of the moment out of the richness of your knowledge of the northeast.

I have been asked to go as botanist on an expedition which plans to spend nearly four months next summer in Quebec and Labrador. The idea is to strike north from a point opposite Anticosti Is., proceed up the valley of one of the north-and-south rivers, then turn east traversing Quebec and Labrador, coming out to the coast at Rigolet. The expedition, which is backed by several New York institutions, including the Brooklyn Botanic Gardens, evidently plans to do things in a big way, for they are engaging pack-horses, expert drivers, campers, etc. Another feature of the arrangements is that small parties are supposed to be able to split off to follow their own interests, thus admitting of some flexibility of manipulation.

What I should like to know is, what do you think of the botanical possibilities of the area? Is it likely to be a uniform Canadian Spruce-Fir affair or does it promise real variety and interest? My guess would be the former, but I would like to hear yours if you care to give it. If I go I do not see why I shouldn't be able to collect for Gray, as well as Brooklyn and here; but I have my doubts as to the practicability of copious collecting on an expedition which is on the move and which is made up of geologists, entomologists, etc.

Another thing I should like to know is whether the idea would appeal to Raup, in case I find it impossible to go. He knows the region and would seem to me a much more logical choice than myself.

My sister-in-law, Miss Elmore Biggs, is returning to Cambridge tomorrow and will deliver the Newfoundland lantern slides to you at her earliest opportunity. Again, many thanks for the use of them.

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 Curator  
 LYMAN B. SMITH, Assistant  
 WILLIAM B. DREW, Assistant  
 RUTH D. SANDERSON, Librarian  
 MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.  
 Jan. 8, 1932.

Dear Fogg:

The lantern slides came back before you had my letter and I thank you for returning them so promptly. As it now proves, I shall not have to use them until some time in February since the Clark University programme has been altered.

In regard to the project for the summer, I would say that we know practically nothing about the flora of the region of the southeastern Labrador Peninsula except on the coast; consequently every bit of collecting and exploring which can be done in the interior is important. While much of the region is granitic, there are large areas of calcareous rock present, anorthosite and Cambrian limestones. The degree of glaciation is, of course, wholly unknown, but at the mouth of the Natashquan is the endemic *Antennaria glabrifolia*; near it the only station (except in Newfoundland) of *A. spatulata*. Similarly at the mouth of this river Harrison Lewis discovered *Sparanium glomeratum*, a Lapland species heretofore unknown to North America. Dr. Townsend brought back from the Lower Natashquan the only material of *Salix adenophylla* ever found except the type specimen in Herb. Kew. So that that problematic species is probably endemic of the Natashquan. Near by Lewis collected a very remarkable and endemic *Salix simulans*, and he has also found *S. paraleuca*, a very rare species otherwise known only from Gaspé. These little indications from the mouth of the Natashquan, or near by, indicate that that river will yield very large returns.

The Romaine, slightly to the west, has not been botanized at all, so far as I know, and certainly no one has worked out the northern extensions, toward Hamilton River, of hundreds of plants which must run northward into that area. Consequently, if I were younger, and if I didn't have a crippled left foot, I should, myself, jump at the opportunity of extending our knowledge of distribution by crowding you out of the expedition! I hope you will find it entirely possible to go, but I doubt very much, from my Canadian experiences, and Raup, who has had a good deal of experience in the Northwest, and Potter, who has explored across the Divide to James Bay, agree with me that the pack-horse enterprise sounds rather risky; for most of the country is bog or tundra except for the rocky river valleys. They feel that the idea of taking horses or depending upon them in such a country is decidedly New Yorky; and is not based upon a very practical type of wood-craft, canoes, batteaux or dug-outs which have, through many centuries, proved to be the practical method of travel in northeastern Canada; and I wonder if the people who have lived and explored there have not evolved the method best suited. Raup, of course, is a National Research Fellow, pledged to be working on his own problem which concerns Great Slave Lake and the Lower Mackenzie, a region twice as far from Anticosti as is Philadelphia. Your inference that he is familiar with the region of course is, in a

way, natural provided that all Canada is as one unit; but, naturally, conditions in the Great Slave Lake country are really quite unlike those of eastern Quebec, and his knowledge of the northwestern region does not really make him know the southeastern.

Should it prove wholly inexpedient for you to go, it might be worth considering Prof. David Potter of Clark University, who has already traversed the country around James Bay and who knows conditions in the Laurentian shield. Or it might be possible that Mr. Ernst Abbe, one of our graduate students, who last year went on the Forbes Expedition to the Torngats, might be interested. He had previously spent a summer cruising and botanizing on the north shore from Mingan Islands to the Straits of Belle Isle, so that he knows the outside of the region.

I should expect, however, that both these men, from their practical experience, would balk at being mixed up with pack-horses in a tundra region. *Incidentally, the feed question is large.*

I hope you will go yourself because your Newfoundland experiences are enough for you to know the general problems, and you could certainly do a great deal toward extending our ranges to the north. As I have rather vigorously stated, I think you would find it rather more practical if boat navigation, instead of horse navigation, were accentuated.

Very sincerely yours,

*M. L. Fernald*

MLF/F?G

Jan. 16, 1932

Dear Chief:

I certainly want to thank you for your long, interesting and helpful letter of January 8th. I hoped not to put you to any trouble in answering my request, but I fear that you have gone out of your way to supply me with the information contained in your letter.

As a result of a combination of circumstances, one of which is a financial one, I have been forced to send my regrets to Mr. C.A. Edson, who is the Managing Director of the Labrador-Quebec Expedition. I am very sorry for this, as the Expedition has extremely ambitious plans; plans which, if only partially realized, should still yield valuable results.

I see that I was mistaken about Raup. I thought that he had worked in the region east of James Bay and would therefore be familiar in a general way with conditions on the Laurentian Shield. I have forwarded to Mr. Edson the names of Potter and ~~Abbe~~. If there is the least element of possibility in your own desire to go, please do not fail to let me know, or better still, get in touch with Mr. Edson, Trinity Building, 111 Broadway, New York City.

Your criticism of the proposed method of travel certainly confirm my own suspicions. I had already raised this point in a personal interview which I had with Edson, and I am glad to be able to add the weight of your experienced opinion to my own hunch on this matter. I also pointed out to him how I thought the interests of a botanist would suffer in being forced to keep pace with a large party and he suggested that the botanist, in charge of a sub-party equipped with a radio, might strike north to Ungava Bay or any other region of particular interest.

Whatever happens, I trust that the person selected to represent botany will be someone with experience in the northeast who will not bring back too copious a series of *Linnaea*, *Clintonia*, etc.

Yours very sincerely,

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 Curator  
LYMAN B. SMITH, Assistant  
WILLIAM R. DREW, Assistant  
RUTH D. SANDERSON, Librarian  
MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Feb. 19, 1932.

Dear Fogg:

I am very much interested in your article on Cardamine pratensis in the last Bartonia for two reasons in particular: one, that I have a sort of partiality to that species, having made a special study of it at one time (Rhodora, xii. 11-14 (1920)); also because I jealously keep tab on all records of Nova Scotia plants, just as I do those of Newfoundland and Gaspé. I am, therefore, particularly interested to know what you have to show for the species in Nova Scotia, since we have nothing here, and in my three different summers in Nova Scotia I have never met it!

If you can give me the basis for the Nova Scotia <sup>records</sup> ~~plant~~ I shall be mighty glad to have it.

In haste,

Very sincerely yours,

M. L. Fernald

MLF/FMG

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator  
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M. L. FERNALD,  
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RUTH D. SANDERSON, Librarian  
MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.  
Feb. 26, 1932.

Dear Fogg:

Although my borrowing of Potamogeton from your herbarium was "honorably discharged", I have just run across a sheet mixed with our specimens which certainly belongs at the U. of P., and am sending it by parcel post. It is particularly important, since I think it is the only material you have of this particular variety.

I will not ask that you remove something else from your herbarium and send it back in return!

In haste,

Very sincerely, *M. L. Fernald*

MLF/FMG

Fogg to Fernald

March 10, 1932

Dear Chief:

Many thanks for the sheet of Potamogeton which arrived in good condition. There was some discrepancy in the count when the loan was returned a few months ago, but due to the fact that the assistant who counted the loan originally had recorded the number of specimens rather than the number of sheets we could not be sure that one was missing. One of the sheets must have contained two specimens. So we concluded that your count was probably correct and let the matter rest.

I am forced to confess that I slipped up in the matter of Cardamine pratensis. The material which we have here from Nova Scotia is incorrectly determined, a fact which I did not discover until after I had turned in my inconsequential little paper - a paper which was thrown together overnight to satisfy the insistent demands of Pennell that I give him something for Bartonia. My first thought was that I could make the necessary correction in the proof, but upon rereading your statement of its range in Rhodora, xxii, p. 14, "Newfoundland to New England," foolishly concluded that that was sufficiently inclusive to let the U.S. statement stand. I am sorry to have gone astray and am glad to learn from you that the species does not grow in Nova Scotia. It's just another example of the fact that occurrence must be based on actual record and not inferred from inclusive statements.

Things are at a very low ebb here because of financial conditions. In order not to impair the teaching staff we are having to dispense with some of our assistants, which means more work for all of us in the matter of preparing for classes, caring for materials, etc. The resultant drain upon one's own time may be imagined.

Most sincerely yours,

from Fogg



UNIVERSITY OF PENNSYLVANIA  
THE COLLEGE

Botanical Laboratory  
38th St. and Woodland Ave.

Philadelphia  
Dec. 10, 1932.

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

Dear Chief:

It is with unbounded delight that I have learned that you are to be at Swarthmore on the 10th of January. I am eagerly looking forward to both seeing and hearing you at that time. I am writing to inquire whether you have made any plans for your stay here, assuming that you will spend at least one night in Philadelphia, and, if not, to offer you the hospitality of our apartment in Oak Lane. We have a thoroughly adequate guest room, which will be vacant at that time, and would like nothing better than to have you occupy it for as long as you choose. We are in the suburbs, a few miles out of the dust and noise of the city, but with our car can easily land you wherever you may wish to be taken. We shall both hope earnestly to hear that you can favor us by coming.

Another matter: Will your stay be sufficiently extended that you could arrange to give at the University of Pennsylvania, under the auspices of the Department of Botany, a lecture on any subject of your own selection? We have a fund for just such occasions, unfortunately now less liberal than formerly, but if you could spare the time I think that some arrangement could be made which would prove agreeable to you.

I realize that I have completely dropped out of the picture as a correspondent these last few months, but that must be taken as an indication of industry rather than idleness. I had a wonderful summer here in the local area, collecting over a thousand numbers and studying areas never before visited by me. It was my first season at home for over ten years and I tried to make the best of it. I have many new ideas, especially about the limits of the Pine Barrens and the distribution of the coast strip flora. I hope to have the chance to tell you more of this when I see you.

Toward the end of the summer we had a couple of weeks in New York and New Hampshire, culminating in the ascent of Mt. Washington - my first offense. Everywhere I was collecting *Danthonias*, and am now nearly swamped under a mass of material which presents all conceivable variations of pubescence, leaf form, etc.

-2-

My time this Autumn has been largely claimed by activities attendant upon the organization of our latest accession, the Morris Arboretum, of which you may have heard. This is a tract of land of some 160 acres near Philadelphia, which already boasts a collection of hundreds of rare trees and shrubs, and which it is planned to make second only in importance and size to the Arnold Arboretum. Dr. True has put me in charge of organizing the herbarium, which will be one of cultivated plants, though not restricted to woody forms as is the one at Arnold. I naturally do not wish to become too deeply involved, cutting myself off from real systematic botany, but the inducement is such that I can not afford to overlook it at this time. Of this, however, more later. The important thing now is to repeat that we shall be more than happy to hear that you can accept our offer to make yourself at home with us.

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 Curator  
LYMAN B. SMITH, Assistant  
WILLIAM B. DREW, Assistant  
RUTH D. SANDERSON, Librarian  
MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Dec. 16, 1932.

Dear Fogg:

Thank you most heartily for your kind invitation for me to make my home with you and Mrs. Fogg when I go to Philadelphia. As you might know, I cannot resist your invitation, so that you are in for it for three or four days!

My plan had been to take this opportunity to do a lot of work at the Academy herbarium upon items, which have accumulated through several years, which I need to look up there. Incidentally, I have a brother living in the region and shall want to see something of him and his family, but they are so far removed from any botanical interests that I think they would get enough of me after one evening!

I also note your invitation to lecture at the University under the auspices of the Department of Botany. This, of course, means additional preparation unless you are willing I should use the same set of slides that I use at Swarthmore. Naturally, I do not know to what extent the audiences will overlap. If it is necessary to work out another topic and select another set of slides, I should give the matter a second thought, especially since there is some conflict in the propositions as stated by you that a financial arrangement which would be agreeable to me could be made, and a letter from True which came last night saying that there were absolutely no funds, and I was expected to lecture for charity. If the latter is the situation, I hesitate about cutting up my rather precious time, because the Swarthmore proposition merely covers the railroad fares, and I have a large amount to do which I have been holding over for many years.

Kindly advise me as to what is the best way out. I do not want to be unaccommodating.

In haste, Sincerely yours,

*M. L. Fernald*

MLF/FMG

from Fogg

January 1, 1933

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

Dear Chief:

We are certainly delighted to hear that you are coming to stay with us. Just let me know at what time your train arrives and I shall arrange to meet you. If you are coming to the house first, I should advocate getting your ticket to North Philadelphia only, as that is nearer our home than the central city station. If, on the other hand, you plan to go straight to the Academy you will do better to ride through to Broad St. Station. Of course, if you take a night train all the way from Boston you will arrive here about 7.30 AM. Since the Academy is not open until nine, I should suggest getting off at North Philadelphia, coming to the house for breakfast and then driving down town. If you come by boat and then by train from New York you will reach Philadelphia in the late forenoon and will doubtless wish to go Academy direct.

Since Dr. True told me sometime ago that he was writing to you again about giving a lecture at Penn, I rather hesitate to mention the matter. I do know, however, that there would be so little overlap between the Swarthmore and the Penn audiences ( perhaps 0.01% ) that there would be no real reason why you should not repeat the former lecture for us. I am pretty sure that Dr. True has a fund up his sleeve but would rather let him tell you the amount. You almost certainly have heard from him by now.

We have just returned from Atlantic City where we attended the meetings. Very few good papers in the systematic section, but that seems to be a chronic condition. The men, like yourself, who could give something real are busy taking advantage of an ideal time to work.

Looking eagerly forward, then, to seeing you,

Sincerely yours,

Gray Herbarium



Harvard University

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Ass Gray Prof. Syst. Bot.  
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RUTH D. SANDERSON, Librarian  
MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Jan. 3, 1933.

Dear Fogg:

Your letter has just come as I was about to write you, having picked up a time-table this morning and learning that I am going to visit you via the Hell Gate route, which I trust does not portend anything!

Dreading night travel at this time of year when I always catch cold, I shall plan to go on the <sup>day</sup> train next Sunday, reaching North Philadelphia at 4:18. I will peep about for you and if I don't find you, will proceed to your house which, judging by our old map of Philadelphia region, should not be many miles away.

I am planning to spend most of the time Monday, Tuesday <sup>fore</sup> ~~afternoon~~ and Wednesday at the Academy, going out to see my brother's family probably on Monday evening and to Swarthmore on the afternoon of Tuesday. I have promised True that I will repeat the lecture at Penn either Wednesday afternoon or evening and I shall then plan to take the train back to Boston on Thursday afternoon.

Looking forward to a fine visit, and with greetings to Mrs. Fogg,

Very sincerely yours,

M. L. Fernald

1/21/33

Dear Chief:

I desire to acknowledge with deepest appreciation the receipt of your Pondweed paper. It means a great deal to me to have my own copy of this magnificent work and I hardly know how to express my gratitude. It is indeed a monumental work, one that sets, in my estimation, a brand new standard of scholarship and intensive study.

May I tell you again how fully we enjoyed your all too brief visit with us and how sincerely we trust that if you come this way again you will make our home your stopping place ?

Let me reiterate, also, my willingness to assist in any way in looking up ranges for the work on the Manual. I shall be only too glad to receive lists of species for which you need further records and to consult material both here and at the Academy. We are endeavoring to develop the area to the southwest, along the coastal plain, as I think I told you, and already have many things from Delaware, Maryland and Virginia which are not represented in the Academy herbarium.

Most sincerely yours,

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator  
Ass Gray Prof. Syst. Bot.  
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RUTH D. SANDERSON, Librarian  
MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.

Jan. 24, 1933.

Dear Fogg:

Thank you very much for your offer to check up ranges for the Manual work. I greatly appreciate this and I realize, as I did not when I went to Philadelphia, that the University Herbarium contains a great deal which sooner or later we shall want to check upon, especially in the Southeast.

I think, however, it is probably better to hold a large mass of manuscript over until a big block is completed and then go to Philadelphia and check extensions as a job. The time you would be putting into this if I should load you down with queries is now salvaged, and the Manual would be much more helped if you could make it possible for me to destroy the blank sheet which I put in at the end of the Aveneae marked "Danthonia awaiting Fogg's revision". Thus far, beginning with Arundinaria I have got through the Agrostideae with that one lacuna!

I hardly need tell you how I enjoyed my very casual visit with you and Mrs. Fogg, chiefly coming in in time to keep you from going to bed, and getting up in time to start off for regular work. You can be sure that I shall not pass you by the next time I have a chance to go to Philadelphia.

With kind regards to you both,

Very sincerely yours,

M. L. Fernald.

MLF/FMG

Feb. 14, 1933.

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

Dear Chief:

Long mentioned to me the matter of Digitaria serotina and I told him that I would look up our material and let you know what I found.

In the University herbarium there is a sheet of this grass from the Herbarium of Isaac Burk. The label reads as follows:

Near Camden in sandy fields. Introduced.

There is no date and no collector's name, although the handwriting is Burk's. All the rest of our material is from Florida.

In Burk's "List of Plants recently collected on Ship's Ballast in the Neighborhood of Philadelphia" (Proc. Phila. Acad. Nat. Sci. page 105, 1877) there is no mention made of D. serotina, nor of anything which might be identified with it.

Of course, "sandy fields" is not the same as ballast ground and Burk may have known the plant yet not included it in this list.. Or it may have turned up subsequent to 1877.

As I think I told you, I have a rather keen student who is engaged in scouring the old ballast areas for possible survivors. So I may be able later to give you some information concerning not only this but other species known to the older botanists.

Most sincerely yours,



THIS SIDE OF CARD IS FOR ADDRESS

Dr. J. M. Fogg, Jr.,  
Department of Botany,  
University of Pennsylvania,  
Philadelphia,  
Penn.

GRAY HERBARIUM OF HARVARD UNIVERSITY

CAMBRIDGE, MASS., Feb. 16, 1933.

Dear Fogg:

Thank you very much for your note on Digitaria serotina. I have finally written up and copied the treatment of the genus, leaving this species out, as a bit too vague, so it is up to you and yours to find it!

Very sincerely,

M. L. F.

MLF/FMG

Gray Herbarium



Harvard University

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RUTH D. SANDERSON, Librarian

MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.

May 1, 1933.

Dear Fogg:

As you are now officially connected with the new Arboretum and also understand something of the nature of Rhodora as a journal of scientific papers, not as a newspaper, I wonder if you can get the idea across to your Publicity Bureau that the perpetual sending of newspaper stuff to be reprinted ("released") about the Morris Arboretum is a large waste of money and postage when sent to Rhodora. It not only uses money and time at the start, but since the stuff comes addressed to the "Editor, Rhodora, Museum of Comparative Zoology, 300 Massachusetts Avenue, Boston", it requires attention of several people along the line in readdressing, and then goes into the waste basket.

You might show this letter to your publicity man if you cannot persuade him in any other way that Rhodora is not a newspaper.

With kind regards,

Very sincerely yours,

*M. L. Fernald*

MLF/FMG

*Hebert  
977*

Gray Herbarium



Harvard University

B. L. ROBINSON, Curator  
Asa Gray Prof. Syst. Bot.  
M. L. FERNALD,

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RUTH D. SANDERSON, Librarian  
MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.

June 26, 1935.

Dear Fogg:

I wonder if you are willing to give me confidentially your estimate of the capacity, ethnology and personality of Hermann, whom I met for a few moments at Philadelphia, and who has applied for a scholarship here.

I think he received a small assignment, but from one source or another I have gathered the impression that it is too small to attract him and, before sounding him out on other lines, I wish to be very sure that he is personally agreeable, amenable, and not of the stock now being excluded from the German universities. If you can give me some frank advice on these matters, I shall greatly appreciate it.

By the way, in view of his wild enthusiasm over botanical work, botanical gardens and such things, I am naturally anxious to know what illumination was thrown upon your arboretum problems by our retiring President.

I shall be in Cambridge most of the time until the middle of August, after the Harvard Summer School, when I shall probably go with Henry and Katharine for a cruise to the Gulf of St. Lawrence, following up various left-over problems. Henry is taking a couple of courses in the Summer School in order to make the sophomore class at Amherst, where he has been admitted with only a slight deficiency, which he hopes to remove during the summer.

With kind regards to Mrs. Fogg,

Very sincerely yours,

*M. L. Fernald*

MLF/FMG

from Fogg

July 14, 1933.

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

Dear Chief:

I am afraid that there is very little that I can tell you about Hermann. I see him only occasionally, such as at Botanical Club meetings and now and then in the club herbarium. My impression is that, while retiring almost to the point of diffidence, he is solid, serious, well-grounded in the elements of systematic botany and sincerely interested in his work. When a man of his relatively mature mental age makes up his mind to work in systematic botany the chances seem to me that he will make good and deserves encouragement, especially if he has, as I think is true in Hermann's case, the capacity for work. That he is slow there is no denying (Long will tell you that) but I believe it is a slowness born of caution rather than inability.

Concerning his racial stock, I am at a loss. I have asked Bayard and he, too, is frankly puzzled. We both think that he is not Jewish, altho appearance and name might favor the contrary view. Neither of us knows of a soul to approach on the subject, since he is a newcomer to our vicinity. Sorry to be so vague, but, as I said, I really hardly know the man.

I have been trying for some time to picture to myself just how great your amusement might be when you learned that the chief speakers at the dedication of our arboretum were two mycologists and a college president who, from all I have heard thru you and others, has never been exactly sympathetic toward the cause of Botany. Please dont ask me how, why or by whom the choice was made.

I am working frantically writing labels for several thousand sheets collected in 1932 and between times manage to get a look at Danthonia, but it goes slowly. We are at present excited over the recent arrival of a young daughter, which will explain why I haven't given your letter a more speedy reply.

Most sincerely,



B. L. ROBINSON, Curator  
 Asa Gray Prof. Syst. Bot.  
 M. L. FERNALD,  
 Fisher Prof. Nat. Hist. (Bot.)  
 CHARLES A. WEATHERBY, Assistant Curator  
 LYMAN B. SMITH, Assistant  
 WILLIAM B. DREW, Assistant  
 RUTH O. SANDERSON, Librarian  
 MARJORIE W. STONE, Bibliographer

CAMBRIDGE, MASSACHUSETTS, U.S.A.

July 18, 1933

Dear Fagg:

Just a word to congratulate you on the arrival of a daughter. Ever since I saw you at Woods Hall I have realized that you prefer girls. The new responsibility is reputed to be a stabilizing influence! Are you going to give up to her one room in the apartment or can you tether her in the Arboretum?

Glad to hear that *Danthonia* is getting attention. I have finished *Gramineae* (including *Panicum*) for the man, except *Danth.*, *Muhlenbergia*, the *Poa pratensis* group (which Malte has borrowed) and a few others. Have ready for *Rhodora*, vol. 36, a contribution, with philosophic introduction, entitled "Reductions in the Genus *Panicum*".

Thank you for your impressions regarding Hermann. His shyness and modesty are not Hebraic! I have an unexpected find from which I could employ the right man; but I don't want the wrong one! Have a jewel of a Radcliffe girl drawing (both ways) on it now - as good as Johnson and more rapid & ready to take

suggestions. Since she is interested in a graduate student who is just starting toward the doctorate with me I may be able to hold her for some years.

Best wishes to the Mrs. and the daughter,

Very sincerely yours,

Merritt L. Fernald

Sept. 16, 1933.

Dear Chief:

Bayard has just indicated that you might be persuaded to come pay us a visit and help us add to the flora of south Jersey. I certainly hope this may be so. The room which you occupied in January is vacant and awaits your pleasure; it's a little fuller of specimens than when you were here before, but I don't suppose you would object to that. The young lady usually sleeps the night through, so I doubt if your rest would be disturbed by her. Please consider the matter and let me know. My University work does not begin much before Oct. 1, and I suppose the same is true of your own, so there seems still to be plenty of time to get in some good collecting.

I have just read and greatly enjoyed your Panicum and Draba papers, which B.L. turned over to me. It is mighty fine to see Panicum treated in a manner so consistent with what appear to be the real specific lines in that genus. It's a step we have all been waiting for. You probably do not wish to add any further comments to those which you have already cited, but in case you do my own humble objection to the unwarranted segregations of the Lindheimeri complex are expressed in my Elizabeth Ids. paper, Rhodora xxxii, p. 233.

I am very glad to see that you quote so extensively from Skottsberg's very sane remarks. I have long felt that his views never received the publicity they deserved, due to their being more or less submerged in the Proceedings of the Congress. You are to be congratulated for bringing them into the fuller light of day.

Enough for now; do write and say that you find it possible to run down and have a few days exploring with us.

Hastily,

guilty of accepting the border of the pond. I can only say, by ed this species from the border of the pond. If his material has not been alix balticus, var. littoralis. If his material had best be omitted, in to the New England Club, then the reference had best be omitted, altho he has insisted so upon this point that, even failing to find the plant myself, I have taken his word for its occurrence.

Page to Torrey

To come back to the Tipularia paper, I can only say, by way of partial extenuation, that I distinctly remember asking you up on two separate occasions whether you knew what formed the basis of its reported occurrence in New England. This in no way excuses me for not having gone thoroly into the matter, and had I been working at Gray with access to the earlier floras I should probably have done so. As it was, I satisfied myself with a search thru the more recent works available and an examination of back numbers of Torrey Bull, etc. I shall work the thing over as rapidly as possible, if you still think Dear Christine doing, but I hope you will not hold up anything by waiting for it. I can only thank you for having pointed out the flagrant error involved here and promise you that this lesson will bear fruit in the future.

I am certainly much indebted to you for your corrections on Celastrus and Coelopleurum. They both represent serious errors on my part, for which I am duly penitent; I thought I had checked things thru better than that. It was partly carelessness and partly the futility of working without reference to the appropriate literature. We simply do not have these New England Floras here, and I shall certainly hesitate a long time before I ever again attempt such a compilation. In fact, I have held up a similar paper on Noteworthy Plants from the Elizabeth Islands chiefly because I could not be sure of my statements. In the case of Carex leptalea, var. Harperi, I have been guilty of accepting Svenson's frequent statement that he had collected this species from the border of the pond along with Juncus littoralis balticus, var. littoralis. If his material has not been turned in to the New England Club, then the reference had best be omitted, altho he has insisted so upon this point that, even failing to find the plant myself, I have taken his word for its occurrence.

To come back to the Tipularia paper, I can only say, by way of partial extenuation, that I distinctly remember asking you up on two separate occasions whether you knew what formed the basis of its reported occurrence in New England. This in no way excuses me for not having gone thoroly into the matter, and had I been working at Gray with access to the earlier floras I should probably have done so. As it was, I satisfied myself with a search thru the more recent works available and an examination of back numbers of Torrey Bull, etc. I shall work the thing over as rapidly as possible, if you still think it worth the doing, but I hope you will not hold up anything by waiting for it. I can only thank you for having pointed out the flagrant error involved here and promise you that this lesson will bear fruit in the future.

The Islands paper looks mighty discouraging, with its multitudinous corrections, but I shall get after it at once and let you hear from me later. Thanks for the word about Carex seorsa and many thanks also for the bundle of very interesting reprints which reached me a few days ago.