

Ashland, Mass. 29 Sept. 1884.

My dear Mr. Deane

You are entirely welcome to my poor signature, & an right enough in desiring the full label. I only warn you of my experiences in that direction.

I think I shall have to stick to my identification of Galunagrostis stricta for the Adirondack plant. I have both G. stricta & Pickeringii in my Herb., the former by so good an authority as Dr. Gray, & the latter by our first White Mt. botanist, the late Wm. Oakes & also from Mr. Pringle.

The Adirondack specimen is colored like G. Pickeringii, it is true, but what is of more importance it has the straight awn, the length of the flower, and the hairs about the length of the flower of G. stricta. G. Pickeringii has an awn somewhat larger & scarcely any hairs, the awn bent in all my specimens - (tho' I notice that Gray under the specific description says it may be straight.)

We will notice it further. If we have time, when you come up next Saturday

But you are certainly right about the Souches. It is S. sericeus, & not S. arvensis as I labelled it. I am glad you called my attention to it.

as, in fact. I had not critically examined it,  
but took it for granted from the locality that  
it was arvensis. I have arvensis in my Herb.  
from that region, collected by Oakes. Bring  
the right label with you - & I will rectify it.

I will meet you at the noon train  
on Saturday - & you will go with me to my  
boarding house for dinner.

Am expecting to visit the Botanic  
Gardens on Wednesday, & have written to Mr  
Bailey to that effect. Hope to see him.

Very truly yours  
Thomas Moring

about it, he looked at  
his *C. stricta* and said  
mine must be *C. stricta*.  
He found out the mis-  
take, however, and to-  
day, on my visit to him  
at Ashland, when I  
showed him the speci-  
mens, he said I was  
all right and he  
would give me a label  
to put with the specimens.

Walter Deane.

Cambridge, Mass.

Oct. 4-1884.

To accompany  
Rev. Thos. Morong's  
letter to me of  
Sept. 29-1884.

I was right in my determination of the *Calamagrostis* given me by Mr. Morong. It was *C. Pickeringii*. Mr. Morong collected both *C. stricta* & *Pickeringii* in the Adirondacks within 6 miles of each other and he gave me *C. Pickeringii* thinking it was *C. stricta*. So when I wrote to him

Ashland, Mass. 16 Oct. 1887

Mr W. Seaver.

Dear Sir

Your note of Oct. 13  
is at hand. In reply I would  
reiterate what I said before  
concerning the sending of my  
specimens of *Coptis occidentalis*  
to Mr Lloyd.

If you will be kind enough  
to send me Mr L's full ad-  
dress, I will do the plants up  
and transmit them to him  
by mail. I shall be very  
glad to render him any ser-  
vice in my power.

I suggest this course rather  
than waiting to bring them down  
to Cambridge, as I am not

able to visit Cambridge at present.

In reference to visiting you, I need scarcely say that it would give me very great pleasure to come & spend the night with you as you suggest, but that I could not possibly do at this season of the year, as my wife would be left alone in the house with no one to care for the numerous stores which have to be kept in operation &c.

But suppose I should visit Cambridge a week from next Saturday (Oct. 25) - do my work at the Botanic Gardens in the forenoon, & dine with you say at 1 or 2 o'clock. Please

and return to Arkland that evening, - how would that suit you?

If we could make some arrangement of that sort, it would suit me very well.

Perhaps, too, Mr Bailey might be able on that day to meet me at the Bot. Gardens, & so I could kill 3 birds with one stone!

I would like a little time for selecting some more specimens of Potamogeton for him any way, & by Oct. 25 I could probably manage to do it.

Very truly yours,  
Thomas Morong.

Ashland, Mass. Oct. 22. 1884

Shall come down to Cambridge, as proposed, Saturday, Oct. 25. Visit the Bot. Gardens in the morning and your house at 1 o'clock. Perhaps leave the Gardens at 1., depending on how much work I have to do there. Hope this arrangement will suit your convenience. If not, please suggest something different.

Very cordially  
J. W.



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Mr Walter Deane  
No 1 Brewster Place,  
Cambridge, Mass.



remain & take the improvement  
with the feeling ~~that~~ of satisfaction  
that things are no worse.

I enjoyed my visit to Cam-  
bridge very much the other day.

Please give my kind regards to  
Mrs Deane. I hope she is quite  
well.

Very cordially yours  
Thomas Moring

Ashland, Mass. Oct. 30, 1884

My dear Mr Deane

Since returning home, I have  
examined that *Males* from the rubbish  
heap in Cambridge more narrowly,  
& as I have no specimens of *M. lo-*  
*nalis* in my Herb. with which to  
compare it, may I ask you to  
make one or two comparisons for  
me either with your own spec<sup>s</sup> or  
with Dr Gray's? <sup>2-</sup>

I find that the hairs are stellate  
(leaves + stem) as in *M. rotundifolia*.  
The books make no mention of this in  
regard to *M. lonalis*. In *M. sylves-*  
*tris* + *M. macrochaeta* the hairs are  
single.

In this the bractlets are short  
& broad, almost like those of *M. ov-*

truncifolia, but narrower. These  
may be characteristics of *M. borealis*.  
If so I should like to know it.  
This plant cannot be *M. rotundifolia* L.  
because its carpels are very reticulate  
rugose & it is too ~~short~~ bushy  
& erect for that species.

I presume it is *M. borealis*, as I  
~~thought~~ when comparing it with the  
specimens of Dr Gray, but I should  
like to be certified upon these points  
above mentioned.

I have worked over my Aster  
until I have, I believe, brought them  
into accord with Dr Gray's new arrange-  
ment. But truly some of his new  
species are based upon pretty slender  
foundations.

The *A. Tradescanti* of the man. is  
now *A. vinnicus*, but what is the

"*A. Tradescanti* L. partly" which  
he has retained? It would puzzle  
half a dozen Philadelphia lawyers to  
make it out.

Some of the *A. Canadensis* of the man.  
are *A. paniculatus* & some *A. salicifolius* =  
*folius*, as he now has it. But some of  
the very <sup>same</sup> specimens from Revere which  
in his Herb. he has placed among *salicifolius*  
I have in my coll., & I cannot for  
the life of us make them out other  
than *paniculatus*!

The same is true of quite a num-  
ber of other species.

Well, on the whole, Lee has much  
improved the genus, & removed much  
of the confusion that formerly ex-  
isted: & so I suppose, we  
must let the inevitable confusion

clumsy job in my hands, and  
I do not like to engage in it at all.  
I think, if you are willing, that  
I must come down some Saturday  
and learn how to poison specimens  
in your way. Anything that would  
save labor would be worth learning.  
And poison I must, & that right  
soon, or I shall lose valuable  
specimens by the ravages of the moth  
maggot. Oh dear! how I wish  
them little insect pests would let my  
Herb. alone! I have a great many  
poisoned as it is, but  $\frac{3}{4}$  of my plants  
are still unpoisoned.

With thanks to you, & kind  
remembrances to Mrs. G.

I am very truly yours,  
Thomas Murray.

P.S. The *Desfontainia* species of my collection is, I  
think, as marked on the label I sent you, but I can-  
not be absolutely sure that it is not an *Eastern* one.  
Note specimen, but we see it when I come down.

Ashland Nov. 18, 1884

My dear Mr. Deane

Your package reached me  
last evening, for which I am  
greatly obliged. Several of the  
plants are new to my Herbarium,  
and I am much pleased to get  
them, while all are acceptable  
on various accounts.

Of the *Baeria gracilis* I had only  
the var. *paleacea*, so the type, as  
I judge your species to be, comes just  
right.

*Schinus Molle* "Pepper tree" - I am  
glad to get specimens of, as I have it  
in fruit from *Chile*, which, I believe,  
is its original home. The berries,  
I am informed, are readily eaten by  
robins & other birds.

The "*Erodium maculatum*" I suppose

was so marked by mistake for  
*E. moschatum*. W. Steud. which species  
it seems to be.

*Bayia platyflora* & *Petas officiosa*  
are particularly acceptable.

Your niece has certainly done remarkably  
well, considering her age & inexperience.  
She probably will learn in time to collect  
all the parts of a plant, something  
which I find young botanists need to be  
constantly admonished about. And all  
flowers need to be opened & laid out, at  
least in accompanying specimens, so that  
the interior can be observed without pud-  
ding the specimen & pieces. It was a long  
time before I learned to do that, but now  
I always do it whenever it is possible.  
I should make considerable use of  
such a relation if I ~~to~~ <sup>was</sup> fortunate  
enough to have one in that wonderful land  
of flowers.

Please don't say anything about  
my gifts to you, as you yourself did  
all the work of coming after them,  
& making your own selection from  
what I was on the point of throwing  
away. I do not consider my share  
in it as amounting to anything -  
& if it did, I have been fully  
repaid.

One pleasant thing about your  
contribution to my stock lies in the  
preservation of the specimens. I never  
before had the good fortune to receive  
plants all prepared for mounting.  
Indeed, I should be willing to pay  
my correspondents handsomely if  
they would always take that work  
off my hands.

I wonder how you do that work  
so easily & neatly. It is a great

Ashland, Mass., Nov. 3, 1884.

My dear Mr Deane

In this mail I return the labels all signed. I have looked up the names corrected. You are right as to the *Arabis*, from Peru. It is *A. perfoliata*, Lam. not *A. laevigata*. The *Pycnanthemum* from Melrose is marked in my Herb. *P. lanceolatum*, Pursh. So in some way the labels must have been mixed, & you took the wrong one.

Much obliged for the scrap of *Melilotus borealis*. I am fully satisfied that our Cambridge plant is *M. borealis*: & it is a much finer specimen than any in Gray's Herb. I hope next year that you may collect it in flower: unless that refuse heap is disturbed the plant will come up again: - or you might get a few ripe seeds still, send them to me, & I will ask Miss Wiggins to plant them for us in her garden.

Am also obliged for the *Cephalanthus*, of which I have not preserved fruit.

Ward has never sent me his Supplement. It has been a long while since I had any correspondence with him.

I should be glad of the *California* specimens mentioned in your letter, if

you can spare them as well as not.  
Who does not want California plants?  
Surely no Eastern botanist.

Am much obliged for your  
kind expressions about my visit  
the other day. I thought the ad-  
vantage was all on my side.

We should be greatly pleased to see  
you at our home in Arkland at  
any time. We have recently ob-  
tained a maid, & have returned to  
our old custom of house keeping a-  
gain, so that we can better receive  
company.

Please give my respects to Mrs  
Deane -

Very cordially yours  
Thomas Moray.

Ashland, Mass. 25 Nov. 1884.

I should not wish to come down unless the  
Herbarium at Botanic Gardens is in use.  
Can you tell me how that is? Should  
rather postpone coming till I can use the  
Herb., as I have a number of plants to  
identify.

Very truly yrs -  
P.S. Yours just rec. If the Herb is open on Friday  
I will come down in the morning & beyond here  
at noon, or as soon as I get through.



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.



Mr. Walter Beane

1 Brewster Place

Cambridge, Mass.



if he were to review *Violaceae* in the style in which he has reviewed the *Compositae* would make it a species.

I wish my poisoning were as well along as is yours. But with alcohol at 50 cts a pint (the cost here) my Stub. will cost something before I get through with the process. Oh dear! why were insects made to torment botanists?

I am expecting a great treat soon - a package of Pringle's Arizona collection. Congratulate me! Parish Mothers write me that it is very fine. - - I remember the "Massan Bros" who writes the letter to Lloyd - once had some exchange with him. He puts up nice specimens himself. But he says nothing in this letter about Hoystradt. It is a Mr Holmes, Standish, Me. whose specimens are "execrable." Hoystradt's specimens are good enough, but the manners of the man are intolerable.

Very cordially yours Thomas Morong.

Ashland, Mass. Dec. 12. 1884.

My dear Mr Deane

Yours received last evening.

Enclosed is the label which you desire. *Schwinitzia* is a very interesting little plant of the *Monotropa* group, very rare, & only lately discovered in Florida by Ellis Reynolds. Neither Gray nor Chapman put it farther South than N. Carolina. It is very pretty in the fresh state, but as bad as *Monotropa* when dry, - as you will find of your specimens if you have put them in press.

As to the attachment of the filament to the anther, I think Dr Gray is right. If you will look down upon the top of the anther, you will find that the cells open by two large pores on the top, & that the filament is between them on the back, somewhat like the enclosed figure.

In respect to *Viola tricolor* and the var. *arvensis*, both Gray in *Man.* & Hooker in *Students' Flor. of Ev. Britain* note the comparative length of petals & sepals, & generally it is true that in the type the "petals are usually longer than the sepals," & in the var., "shorter or little longer than the calyx." In measuring, however, you must include the auricles of the sepals, & be careful to omit the spur of the corolla.

I have specimens of both types & variety from our own country & both from England, & so far as the books go, it would seem as if there was no difference in this particular between type & var. - though on careful measurement, there is.

But this is not the prime difference between the type & var. by any means. The var. is generally much more slender than the type - flowers much paler,

lower leaves often round & small, instead of oblong.

In England, the var. appears to run into the type, but our American plant is so distinct that some botanists have called it a good species. I run to Gray in *Man.* you will notice, says that the var. "seems like a native plant." If you are to see it growing, you would feel as I did, that it is in habit a very distinct thing from *V. tricolor*. Its tallish, slender & delicate appearance & pale flowers are quite marked in growing, very unlike the spreading, stocky stems & deep colored flowers of *V. tricolor*.

Hooker calls it a subspecies, & so should I. Probably to Gray it

As to the unnamed *Potamogeton* of which you speak, I have forgotten. Please let me sometime what is the locality from which it came, so that I may reach it.

I am thinking of making another visit to the Herb. at Bot. Gardens before long, but I presume you are not to be seen by daylight during the week days, so it would be useless to call upon you.

I cordially return your good wishes for the new year. Should have reciprocated your card in kind, but alas! Ashland is not Boston, & I could find nothing here suitable for the purpose, so you will have to take it in my poor penmanship.

Mrs. M. is very well & sends our kindest wishes to yourself & Mrs. Lane. If you have all your friends around Christmas & New Year, should be very enjoyable.

Very cordially  
Thomas Morong

Ashland, Mass. Jan<sup>y</sup> 3. 1885

My dear Mr. Beane

Yours of Jan<sup>y</sup> 1 at hand.

Enclosed I return the labels. Perhaps the change in the name of the *Syrpis* is correct. I know but little about the family, and I am sure that the Manual helps me but little more when I try from that to identify the forms that I have collected. The genus needs revision very much.

I also enclose a small specimen of Miss Reynolds' *Schminitzia*, which she had sent me in the dried state because she forwarded the fresh plants.

I was considerably restrained to learn from you, & afterwards from Miss Reynolds herself, that Dr. Gray regarded it as a new species. Taking the description in the Manual for a guide, I would describe by any botanist living (who had no authentic specimens of *S. odorata* in hand for

Compassion) to say that it was not *Schm. odorata*. The only thing I noticed about the plants was that they were non odorous, & so I told Miss R. in acknowledging the receipt of her specimens. This must be an of the specific differences, I suppose. But that would not suffice to make a distinct species, certainly. I presume the description of *S. odorata* in the Man. & Syn. Flor. is too general, & needs to be modified.

I have no *S. odorata*, & had been trying for 10 years in vain to get the plant when Miss R. wrote me that she had it. It is confined, I believe, to middle & Southern Virginia & N. Carolina. If you can get it, you will be very fortunate & I have no doubt.

I feel like you in regard to the departure of Mr Bailey, very glad for him, but extremely sorry for myself. It is a great pity that Dr Gray's original plans in regard to him could not have

been carried out. He would at Cambridge have proved a very energetic, progressive & useful botanist, with grand opportunities for growth, which he can never obtain elsewhere. Still, I have no doubt, he will make himself felt wherever he may be. I shall hope to see him before his final departure. I was in hope sometime to have submitted to him my collection of caryes, which is very large and needs a competent review. It is altogether too bulky to send off to Michigan.

No, I have not yet named Pringle's plants, but am expecting them every day. They must be very fine, I know, as the London Gazette so pronounced (Dec. n<sup>o</sup>.)

You say that you now have all the U.S. fine plants of the Manual - You mean White Nit alpin, I suppose. But have you Dryas integ ripolia? If you have, please tell where to obtain specimens, for here never been able yet to find a botanist who has it. I believe that I have all the others except that

of it before, strange as that may seem - as there are hundreds of species which are similarly unknown to me.

My parcel from Mrs Bringle has at last got along, & is indeed a splendid lot of Arizona & Sonora plants. I wish there were duplicates, that I might gratify you with some of the rarer specimens, but there is only a single set.

Mr Orcutt has sent me his list of South. & Barr Cal., but it does not amount to much, not being very full or complete. It seems more intended to advertise his horticultural business than anything else. Mrs Moray & I both send kind regards to Mrs Beane.

Very truly yours  
Thomas Moray

Ashtand. Mass. Jan 31. 1885

My dear Mr Beane

Your letter of the 23<sup>rd</sup> inst has remained unanswered awaiting my leisure till I could get through with Mr Patterson, of Illinois, to whose new check list I am contributing the Naiadaceae. As I am through with him, my first thought is of my epistolary obligations, and yours in order.

I am sincerely glad of Mr Bailey's good fortune, & have no doubt that he will prove worthy of his opportunities. We shall all miss him. I was at the Club, the other day - on a Friday, however, so that I could not call on you, & had a pleasant

day in browsing among the Naiadae.  
In fact, before I got through, Mr  
Watson got me committed to the task  
of straightening out the Order in the  
libr. & I bought all their papers  
of Nais home with me. Most genera  
certainly needed rearranging badly,  
as nearly half their specimens are  
misnamed, foreign as well as native.  
I wonder if in other exotics the  
specimens of Dr Gray's collections are as  
badly named? If they are, there is  
little dependence to be placed on them.  
For instance, specimens of *Dauricbellia*  
are named *Nais* - *N. graminea* is called  
*N. minor*, *N. Wrightii*, *N. arguta*, *N. microdon*  
*Caulinia fragilis* (which = *N. minor*) - and  
lots of things are called *N. flexilis* which  
have no relation to that species &c. &c.  
All that, I suppose, is because there  
has never been any thorough examination

of these genera, Mr Watson & Dr Gray  
being so busily engaged upon other Orders.

It is a very pleasant work looking  
up this Order, & will result in due  
time, I hope, in a revision.

I am glad that *Pekurivitzia* is  
settled, tho' I am greatly disappoint-  
ed in not getting *Sodorata*. I have  
had my heart set upon its acquisition  
for so many years that really it  
gives quite hard to miss it.

I mean to write to Canby some  
day, & make another vigorous effort  
to obtain a specimen.

You are mistaken in supposing  
that I have *Echiocharis Wolfii*. Gray  
I do not know the species at all,  
& therefore shall be greatly pleased  
with any new form specimen that  
you can supply. Never am heard

Oshland Ap. 4. 1885

My dear Mr Beane

Yours of yesterday

reached me last evening.

I was very glad to hear from you; & can understand the "botanical loneliness" which has fallen upon you in the absence of vegetation and all botanical acquaintances.

Mr Seymour sent me a note a while since, & I have thought of going down there for a few days, but shall hardly come to it next week. I have been undergoing the uncomfortable experiences of residence removal, & if you know what that is, you will not wonder that I do not feel fit to go anywhere. Our household goods are

not yet all set in order, but are  
in some of the rooms still in  
confusion. I hope we shall  
be at night soon, however.

I shall certainly be de-  
lighted to see you at our  
house any day next week that  
you could make it convenient  
to call, & if you will drop  
me at a line the day before  
will be sure to be at home.

We now live only a little  
way below Miss Wiggins on  
the same street.

I am longing greatly  
to see some signs of Spring, as  
we have had such a long hard  
winter. I hear that the willows  
have put out catkins, but have  
not had time to go out & see.

Our kind regards to Mrs. Beane.

Very cordially yours  
Thomas Morong.



Rhland, Mass. 10 April, 1885

My dear Mr Beane

Herewith I return labels  
as you desire.

I am very glad that you  
enjoyed your visit here the other  
day. I am sure that I enjoyed  
the opportunity of going over the  
papers with you. You know that  
I never see a botanist here, and  
that conversation with one is really  
a great treat. I am very glad  
to get off my professional stilts  
upon the floral meadows &  
hill-sides: so that your visit  
did me as much good as it did  
to yourself. Be glad to see you  
at any time.

With kind regards to Mrs S.  
I am very truly yours  
Thomas Morong.

not? Some time when you meet him,  
it would be well ask him as to the  
exact locality, as "Bayou Beche" is  
rather indefinite, being a beach which  
runs from River to Swampscott, & then  
across to Nahant, certainly covering  
not less than 10 or 12 linear miles!

I should like to go down after it some  
time, if I know the date of flowering, which  
Gray does not give. Could you look it up  
in the Herb. some time?

I trust you will see  
your way clear to visit Lake Cham-  
plain with me next vacation, as I  
hate rambling about alone in strange  
& out-of-the-way places.

We are all well here -  
Regards to ours &  
Very truly yours  
Thomas Morong.

Ashland, Mass. Ap. 16. 1885

My dear Mr Beane

Your letter received.

In accordance with your request I  
have looked up the *Utricularia* again,  
and the result is that I cannot  
fully satisfy myself about that form  
from Louisiana. What with the  
difficulty of making out the corolla  
in dried specimens of this genus, and  
the rather blind descriptions, and the  
variation in forms (vid. Dr Gray's last  
note on *Utricularia* in Proc. Am. Ac. 20, 287)  
I am puzzled to determine some of the species,  
& this is one of them. *U. fibrosa*, which  
I have genuine from Miller, Long Island,  
under the name *U. striata* DeCente, is a  
tall plant (8-10 inches) with large purple  
corolla, the bladder, as Gray says "wholly  
or mostly borne along leafless portions of the  
stem"; while <sup>the</sup> specimens from Bangs' are  
3 or 4 inches, & some of them with

plenty of mud from which they were drawn, have an abundance of leaves or capillary shoots, with bladder weed among them. Yet the corolla, & especially the spur seems to belong to that sp. I have also specimens from Florida, collected by Dr Palmer, marked & given to me by Mr Watson himself, marked U. bipartita Ell? (nearly U. fibrosa, Dr Gray says in Syn. Fl.) which look exactly like those of Douglas's. On the whole, I am disposed to think that this is a small form of U. fibrosa Walt., but I do not feel satisfied about the matter. I have looked at the rest of my collection, at the same time, and find reason to doubt of some others, particularly plants sent me by Curtis as U. biflora, which much, I think, be this same U. striata (or U. fibrosa) & others sent by Rurmelin, Texas, as U. subulata, which do not correspond with the description at

all, having a very short, thick, blunt spur. I shall have to take all my specimens down to Cambridge, & compare them, I think, with the Herb. forms. I imagine, too, from the paper of Dr Gray, above mentioned, that he does not feel perfectly satisfied with the state of the genus.

You will see, if you look at the paper of Dr Gray, that Mrs Owen sends U. subulata, var cleistogama to him from New-tucket. If you visit that "isle of the blest" this summer, as I think you propose to do, I hope you will look up that plant. I really want to see U. subulata vera, having always supposed I had it, & now having reason to doubt it.

Then, too, remember that "Artemisia stelleriana, Bess. which Dr Gray says "grows wild in large tufts on Sycam Beach, near." Dr Farlow. I think it was, who found it. You know him, do you

I have agreed to go with them,  
and act as pilot. We should go in  
June to get *Menyanthes*, & in July  
to get *Schenckia*. I almost al-  
ways find something new when I  
go there.

When present my regards  
to Mrs Deane; but if all that Miss  
Wiggins attributes to her of reputation  
of botany be true, I am afraid  
she will never want us to come  
there again, nor to see a botanist.  
If she would go with us on some  
of our expeditions, she might catch  
the fever too.

Very cordially yours  
Thomas Morong.

Ashland, Mass. June 5. 1885.

My dear Mr Deane

I believe that I have  
not answered your last as to  
botanical letters. I have had no  
time to look over my collec-  
tion, but should be glad to grati-  
fy your taste for such docu-  
ments. If when your school  
term is through, you can run  
up here and spend a day with  
me, I will get out my souvenirs  
and see what I can do for  
you in that line. I have piles  
of letters which I have not at-  
tended for a long while.

Is it not about time that  
Beloyt, of Cincinnati, returned  
the plant I loaned him? How  
long does it take his artist to  
sketch the specimen? Not that  
I am in special want of it,

but I should dislike very much to lose it. I do not want you to say anything about it to him as yet, as probably it is all right, still if he is a forgetful man, or has a great deal to occupy his attention, this may have slipped his mind, and he may need to be "nudged" at some time hereafter.

I wrote as I did about applying to Mrs Owens for the locality of *Utricularia subulata* v. *christogama* in Nantucket because I thought you were in correspondence with her, and because it is well to have the exact locality in mind when one is hunting for plants. I have hunted in vain for plants that I knew had been found in certain vicinities, & when I must have been within a few hundred yards of them, an itinerary saw a great deal of labor and vexation

of spirit.

I have planted *Latura inermis* and *Malva borealis* from seeds obtained by you last year. The former has made no appearance as yet, but the latter has come up well. I hope to get plenty of good specimens from it.

I suppose you are so engaged in school duties that you can give no attention just now to botany. But if when the week is over, you would like to go upon an expedition you might accompany us to a famous swamp in Natick Mass. where grow a number of interesting things, such as *Scheuchzeria palustris*, *Vaccinium Oxycoecus*, *Sagittaria dumosa*, *Mnemonia trifoliata*, *Potamogeton pulcher*, *P. zosterifolius* &c. &c. Miss Jones, Miss Wiggins, Mr Houghton & some others wish much to go, and as it is familiar ground to me,

give you all useful recreation.  
I wish I could get off during  
this warm weather and breathe  
the cooler air of upper Lake  
Champlain. But we professionals  
have but little liberty. I now  
expect to be home the first  
Monday in August.

I wish you would drop me a  
letter a little while before you  
go to Nantucket. It is possible  
that I may have a chance to go  
down there with you, especially  
if you do not go till the last  
of August.

With kind regards to Mrs  
Beane, and good wishes for the  
complete restoration of her health,

I am very cordially yours  
Thomas Moring

Ashland, Mass. July 10. 1885

My dear Mr Beane

I suppose that by  
the time you receive this, Miss  
Niggins will have sent you speci-  
mens of *Rhododendron maximum*  
collected by our party yesterday at  
Medfield swamp, and also have  
told you what a pleasant ex-  
pedition we had. The only ~~thing~~  
thing we had to regret about  
it was your absence. Nearly  
all of our party had been  
there before, so that it was no  
novelty to us, but I think that  
you would have found something  
of interest. The flowers, however,  
were in poor condition as com-  
pared with their state at our  
former visit. They were, many  
of them, only in bud, and  
none of the frusses were well

filled. I had supposed that I should see you at Medfield or I should have written before this to thank you for the copy of Mr Bailey's little book. It is very pleasantly written, and ought to be very attractive and instructive to beginners in botany. It would be an excellent thing to put into the hands of High School scholars in order to awaken in their minds an interest in floral matters. If I had a young friend not addicted to the study of botany & with leisure & taste for that study, I should like nothing better <sup>than</sup> to put in his hands this little work.

I am glad you wrote me about *Artemisia Stelleriana*. I should have otherwise waited till it was all out of bloom before I went for it. I went down to

Sydnor last Tuesday & collected a quantity of it. It grows in great abundance on the beach just before you reach the high lands of little Nahant. I do not believe that it is at the Point of Pines at all, for I stopped there on my way to Sydnor, and rambled all around the hotel outside & inside of the grounds, but saw nothing that looked like it. It is such a peculiar & conspicuous object that a botanical eye would hardly miss it if within sight. I "guess" your father's man saw *Artemisia caudata*, or something else than *A. Stelleriana*.

I hear that you start for the mountains next Monday. I hope you will have a good time of it, and that the mountain air will re-  
vive Mrs Deane's health. and

Ashland, Mass. July 14, 1885

Card received yesterday. Perhaps you can find  
time to run down to the Botanic Garden next Thurs-  
day morning & see me, as I am expecting to visit  
there on that day. Leave here on the 7.40 A.M.  
train via Newton.

Shall try to bring you down a few Rhodo-  
dendrons if any are left in bloom there.  
If you are very busy, don't put yourself out  
& come, & it will not be any discourtesy to me.  
Very truly yrs. T. M.





NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Mr Walter Deane  
1 Brewster Place  
Cambridge, Mass.

Ashland, Mass. July 17, 1885.

The prickly composite is our old *Cnicus benedictus*, now *Centaurea*. Blood thistle. Better name some of it, if you have none, as it is not common. It grows near the new house building on the ground. The kappa (*Carduus kappa*, now) is probably *C. kappa*, var *tomentosus*, may, very rare in this country. Bear enough on the plant to form flower + fruit, if you gather any. Also *Leucorpermum sappula*. The small blue flower I did not get enough to determine, as I could find no more of it after leaving your house.

That refuse heap is a wonderful place! The city of Cambridge ought to preserve it for botanical curiosities! Kind regards to Mrs. S. + the best of journeys + sojourning to both of you. Very truly, - T. M.



NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Mr Walter Deane  
1 Brewster place  
Cambridge, Mass.

By the way, the happy autumn fruit  
to be in fruit when you reach home. Please  
collect a few specimens for me. When I went  
there, the flowers were only just opening, and  
I could only get a few entirely opened.  
I left enough to give us all fruit. But  
there will hardly be enough to propagate  
the plant another year. I am afraid, even  
if the ground remains unoccupied.

The three *Satureas* which I transplanted  
to my garden, have grown into large plants, and  
so has the *Nelva borealis*. The *Satureas* all  
proved true as we identified them, though  
I was in doubt whether we had *S. stramonium*.  
Are there any parts of these,  
flower or fruit, that you would like? The  
*Nelva* is now entirely in fruit. The flowers  
are exceedingly minute, & almost escaped  
me before I recognized them, appearing very  
early. If upon your return from Nau-  
tucket you can make a visit up here, we  
should be glad to see you.

Please give our kind regards to Mrs Deane,  
whom, I trust, is better than when she went  
away.

Very truly yours  
Thomas Morang.

Ashland, Mass. Aug. 31, 1885

My dear Mr Deane

Yours of Aug. 28 reached me  
this morning. It gives me great pleasure  
to hear from you, & to know that your  
vacation has proved so enjoyable & profitable  
(botanically)

The scrap of *Potamogeton* enclosed in your  
letter is *P. gramineus*, L., which is often found  
without floating leaves. I am surprised that  
you did not collect *P. rufescens* in Willoughby  
Lake, as Mr Faxon always obtains it there  
when he visits that locality.

I should be glad to accompany you to Nau-  
tucket if I were able, but the truth is I am  
just now afflicted with one of those painful  
things popularly called "Job's Comforters," &  
it utterly incapacitates me from walking,  
being just below my knee. All I can do  
is to hobble from here to the Post Office, &  
hardly start. It gives no signs of getting better  
for a week to come.

I am just home from my trip to Lake  
Champlain. Have been all around & over the

on the east end of the lake, as far as I know  
from here, its outlet. I can say that I  
had a grand time, & enjoyed every moment  
of my trip. I think I have "done" the  
August Flora of that region very thoroughly,  
aquatic & terrestrial.

Now as I should be glad to get a set  
of the Willoughby mountain plants for a  
Southern friend, & a few specimens of *Primula*  
*missouriensis* in fruit for myself, what do you  
say to an exchange? Perhaps among things  
that I have brought home, there may be some-  
thing that you would like. I have not  
yet determined the species, some of which I  
propose to send to Bailey for identification,  
but I can offer you

- Astragalus Canadensis*. *Adlumia cirrhosa*.
- Equisetum littorale* (supposed to be that)
- Euphorbia espyllifolia*. *Euphorbia Helioscopia*.
- Nasturtium lacustre*. *Nephas luteum*.
- Nephas Kalmianum* (a *N. pumilum*)
- Nymphaea tuberosa*. *Polarisia graveolens*.
- Taraxaculum Americanum* (in fruit)
- Scutellaria parvula* (in fruit)
- Physostegia Virginica*. *Solidia Kalmii*.
- Symphoricarpos racemosus*, v. *paniculatus* (fruit)

- Scirpus Humilis*, *Scirpus Torreyi*.
  - Rumex verticillata*. *Sagittaria heterophylla*.
  - Sisymbrium canescens*. *Sisymbrium usitatissimum*.
- If you desire any of these, I should be  
glad to obtain the W. mountain plants for  
them.

I hope you saved some of that "broad-  
leaved *Najas*" of which you speak, as  
I should like to see it. I do not think  
that I know any *N. flexilis* which can  
be termed broad-leaved, unless you use the  
term comparatively.

I visited the "Waste Heap" near  
your house in Cambridge once after you  
had left in order to obtain specimens of that  
heap in flower. That is a wonderful place  
for out-of-the-way plants. I have now found  
these: *Arctium lappa*, v. *tormentosum* (*Lappa torren-  
tosum*) *Argemone Mexicana*. *Phacelia glandulosa*  
(or *P. congesta*, I am not quite sure which) <sup>*torrens*</sup> *tonalis*.  
*Satura nigris*, *S. stramonium* + *S. Patula*. *Echino-  
spermeum lappula*, *Echinovulgare*. *Centaurea bene-  
dicta* + *Seranium Carolinianum*, some of which  
are very rare things. I wish it could remain  
a waste heap for several years to come. There  
is no knowing what store of seeds might be in it.

of our botanists would jump at the  
chance, as they really are fine specimens,  
and I care not little for any European  
plants upon which have transferred  
to themselves to American soil.

Miss Wiggins wishes me to say  
that she will be away from home from  
Saturday, Sept. 12 to Saturday Sept. 19  
so that you must regulate your  
visit here by that fact. But I have  
so many things for you to look over  
& select from, that you would not  
get much chance to see her anyway,  
unless you came more than once.  
She wishes to take a botanical excursion  
with you when you come. I imagine,  
therefore, that you will have to come  
twice, or stay up here over night.  
Our kind regards to Mrs Deane.

Very cordially yours  
Thomas Murray.

Ashland, Mass. Sept. 11, 1855.

My dear Mr Deane

Yours of the 9<sup>th</sup> inst. from  
Nantucket reached me yesterday.

I am glad that you are having  
such a good time on that island  
of sand and waters.

The specimens of *Potamogeton*. I have  
examined, & find as follows:  
The delicate plant from Reed &  
Murray's Pond is *P. hybridus*. Mx.:  
The spec<sup>im</sup> from the "Sphagnum bog"  
is probably *P. natans*, the former some-  
times called "terrestrial" or "amphibious",  
because it grows in mud from which  
the water have receded, & is in conse-  
quence much dwarfed: the third

from the "wading pond" water a few  
"inches deep" is, so far as I am able  
to judge from such scant material,  
*P. Maytownii*, Parker. That, too, is  
destroyed by the shallow water, or being in  
mud.

As to "*Spiranthes simplex*" I have  
specimens - rather poor, however, - which  
I once obtained in balance, - so that  
one or two good specimens would not be  
unacceptable.

It is so long since I collected in  
Nantuxet that I can hardly remember  
what I obtained there. I have upon  
my catalogue, marked as collected there  
by *Meostyle umbellata*, *Sisopleura capit-*  
*lata*, *Sorium striatum* + *Epilobium riv-*  
*entium*, the last coll. by G. S. Haxon, the  
others by myself. There are a good  
many other things, but I have forgotten what.

You say that you have found  
"*Viverrinum vesicle*, My." You are  
sure the determination is correct, I  
suppose. I did not know it was  
found north of Kentucky. I should  
be glad to get specimens if it really  
be that species, - + also the *Utric-*  
*ularia subulata*, as you know.

Since writing you, I have received  
a good sized package of plants from  
England, and should be happy to share  
them with you, if you are at all  
inclined to European plants. You would  
render me a service by taking them  
where there are duplicates (+ there  
are many of them) as I know not  
what to do with so many. Heretofore  
I have put them off as Patterson  
or somebody else. I will give

Ashland Sept. 14. 1885

Better come on Wednesday, Sept. 16, I  
think, as I shall then be at liberty.

Failing that, come Friday, the 18<sup>th</sup>, in which  
case, send me a postcard. Not hearing, I  
shall expect you on Wednesday

Very cordially  
Yrs. take the early train  
if you can rise early enough ) T. W.





NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.



*Mr Walter Deane*

*5 Brewster Place*

*Cambridge, Mass.*

was pronounced by Mr. Peck to  
be O. cristata. Schw. v. mirabilis,  
Boott. (of W. Mass.) I have never  
collected that variety to my knowledge,  
nor seen it, though often hoping to  
do so. If you have a spec<sup>imen</sup> or  
two to spare of it, please add it to  
the good things which you have  
promised me.

I am glad that you enjoyed your  
visit here, & remember it so pleasantly.

The parcel spoken of above will  
come in the same mail with this, &  
& will, I trust, reach you safely.

Please give our kind regards to  
Mrs. Deane, & tell her that my botan-  
ical madness is of old standing and  
a life-long love, so that she must  
bear with it patiently as Mrs. Morong  
does.

Very cordially  
Thomas Morong

Ashland, Mass. 18 Sept. 1885

My dear Mr. Deane

Yours reached me this evening  
as I was preparing a package for  
you of some things that I found  
among my duplicates after you left  
day before yesterday, & for which  
you had expressed a desire.

The enclosed labels will tell you  
what they are. The Solidago elliptica  
is the one I spoke of as given me  
by Mr. Faxon, and examined & iden-  
tified by Mr. Gray himself, - no longer  
S. elliptica but S. Elliottii.

The Camp procerus you will be  
interested to know is from the original  
locality where it was first detected  
in this country by Mr. Oakes. I had  
but few spec<sup>imens</sup>, as I would have sent  
you more. I afterwards found it in

great abundance around Remparty  
Swamp. but none, + supposed I had  
many specimens from there, but I have  
not seen across them yet.

Mr C. Lutterbach's + C. Munnich's I  
thought possibly you lacked, + if so  
you would be glad to get them, I can  
refer them in making up my packages  
to Mr Bailey.

You will find upon the backs of the  
labels numbers corresponding to the  
numbers on the tags in the parcel.

I am delighted to hear that you  
have secured specimens of *Balanocaulis*:  
*etoides* for me. I hope you will  
be able to obtain ripe fruit? What  
a place that "Waste Heap" is!!! We  
shall get Bananas + Palms there  
yet! and if there were any water  
in it, I should expect to find *Victoria*  
*Regia*. -

*Argemone mexicana* v. *albiflora*  
approaches, I think, no nearer than  
*deaniana*. What ship brought it to  
Cambridge?

I hope you will succeed in  
finding *Aster Harveyi*, as it has  
been for several years practically ex-  
terminated in its original locality,  
New Bedford. I suppose more than  
50 botanists have written to Mr  
Harvey for it, but he used it all  
up long ago, and, of late, I believe  
has never even answered the re-  
quisitions respecting it. Please re-  
member, if successful, that it is  
looking in my own herb.

There is another thing also that I  
shall venture to draw on you for.  
If I remember rightly you told  
me that one of your specimens of  
*Camp* collected in *Massachusetts* year,  
[New Hampshire?]

his anyway; & besides that, I believe  
that I was ahead of him in the morning.

Upon receiving your last  
note in which you told me of Prof. Keop's  
inquiries as to my Nuptian proceedings,  
I wrote him a letter, telling him some-  
thing about my action. Do you un-  
derstand that he is himself working  
up the matter? If he is, & has the  
materials for settling all the doubts,  
I will resign the work to him, as it  
is not a job that I court. It is  
of no use for two men to be working  
in opposition, or expending their energies  
separately upon the same job, when  
so much more could be accomplished by  
their working harmoniously. I am willing  
to hand over my materials & my conclusions  
to him, or he should to me. All I want now  
is authentic specimens of the Nuptian from  
Europe, & I am expecting them from two  
European correspondents. With them in hand, I  
could settle the question right off.

Very cordially yours  
Thomas Moring.

Ashland, Mass., Sept. 22, 1885

My dear Mr Deane

Son of the Zoologist.

reached me this morning.

I am extremely sorry for the  
mistake that occurred to my parcel  
in running the gauntlet of Uncle Sam's  
mails, but that will happen sometimes  
in spite of the utmost care. I had  
but two duplicates left of Mr Fox's  
specimens of *Sol. Elliottii*, both of them very  
fine, one of which I had reserved for  
my English correspondent, & the other I  
sent to you. Still, you have received  
it so deftly, that it is probably just  
as well.

I am also sorry that you had no  
better success in finding Aster Herveyi.  
I had hoped that the charm of long  
standing in my herb. was about to  
be filled up.

I hope you will be more successful

in obtaining Solidago viridula. I have  
never seen that from Mass., but have a  
spec<sup>m</sup> from Blueville, R. I.

Carex lagopodioides, v. ovoides.  
Oxyg., is a form which I have not seen,  
unless one of those which I have sent to  
Bailey should prove to be it. I sent him  
upwards of 50 different things upon which  
to get his opinion, and hope that Uncle  
Sam has not treated that parcel as he  
did yours.

The Willoughby plants that I asked  
you to send are intended for my South-  
ern friend mostly, and if you put me  
up a set right along as they go, it will  
probably be all I want. I have asked  
you separately for the plants I wish my-  
self, e.g. Primula mistassinica, fruit.  
Carex cristata v. viridula, Carex lagopodi-  
oides v. ovoides; Valeriana anther  
& Urtica from Nantucket, & then  
should be <sup>any of my own desiderata</sup> ~~anything~~ among the plants, and  
which I do not now think of or know

you have, why, I'll be appreciate  
it without so informing my Southern  
correspondent. If he has not seen  
it, it will be no wrong.

By the way, you need not include among  
the set of Mountain plants Hedysarum bonale  
or Antyphylax alpinum or Siphonium viride,  
as I have duplicates enough of those to  
send South, but everything else of mountain-  
ous localities will be very acceptable.

Mean not in also some Aspidium prostratum,  
if you have any to spare.

I shall have a strong preference  
for Potamogeton granivorus v. maximus.  
It was published some years since in  
Coulter's Bot. Gaz. I find, however,  
that Titchin sends me the same thing  
from Sweden under the name "P. granivorus"  
(or "P. heterophyllus, as they call it in the  
islands") "var. fluctuosus, Titchin". I  
do not know who has the priority, he or  
I. I shall stick to my name, how-  
ever, as I think he has never published

Ashland, Mass. Sept. 26. 1885

My dear Mr Deane

I newly write to say that I have heard from Mr Bailey in reference to the Caries sent him for adjudication.

He summarizes of the numbers from which you took specimens - (I do not remember just the precise number, so give all up to No 10) -

No. 1. *C. hystericina* - as I marked

2. *C. lupulina* " "

3 + 4. *C. Tuckerianii*

5. *C. lagopodioides*, black. var. *minutiformis*. Thuey.

6. "*C. lagopodioides*, spiculating towards *neuriticis*."

7. " " " small form."

8 " "

9 + 10 *C. hirta*.

He says of the *C. neuricata* which I sent him, & a specimen of which I sent you, that it is the only American specimen which he can find that he can unhesitatingly refer to *C. neuricata*. So you may congratulate yourself on having got the genuine *neuricata*, as I do.

Do not suppose because one of my forms turns out to be *C. lagopodioides*, v. *minutiformis*, that I do not wish yours for which I asked. I do want it for several reasons, one of which

is that my specimens are better preserved,  
& the other, for comparison.

He writes as though he were bound  
to death with the Caries sent him for  
determination, as I have no doubt he is.  
Not that he says so, but judging from  
my own experience, I can read between  
his lines. I only have the *Naid* (as  
you probably that you say) & a small  
order, and forms all distinct & readily  
recognizable, whereas he has hundreds  
of species, & forms innumerable & largely  
hybridized & pronounced upon. But as Prof.  
Macan said to me once, a man has to  
pay the penalty for knowing more than  
others on particular points.

Mr B. seems contented and happy in  
his work. I think he has a grand situation.

I have received a very kind and  
courteous letter, with specimens of *Nepha*,  
from Mr Jupp.

Very cordially yours  
Thomas Murray

Mr Bailey himself was most interested  
in the *C. muricata*, for the reason I gave  
you, that he had not before seen any  
*gemma muricata* from our country.

Since writing you I have  
had letters from New Jersey, enclosing  
Specimens of his *Labea Menophanogog*  
*Haplans*. I see that he does not  
wish to enter the field so far as  
settling the status of the *Drupacea* is con-  
cerned, tho' as a botanist he is interest-  
ed in seeing it settled. I have <sup>made</sup>  
up my mind as to certain points, and  
only await the receipt of authentic  
specimens of the European sp. to settle  
the whole question. We may have to  
make a new sp. of our so called *N. heterand*  
*Sm.*, but it is no hybrid.

I shall be glad to get the plants you  
have in hand for me, but am in a  
hurry, & hope you will not put yourself  
out to hasten them along. Take your own time,  
& I shall be perfectly satisfied.

Very cordially yours, Thomas M'Orange

Ashland, Mass. Oct. 1, 1885.

My dear Mr Deane.

Your card of y<sup>s</sup> =  
today received.

I did not suppose it necessary to give  
you any number for *Conex hirta*, as  
I gave you the name of the plant at  
the time you took it, telling you at  
the same time that it had already  
been identified by Mr Bailey. I do not  
now remember the number of the tags  
with which I sent specimens to him  
lately, but my impression is that you  
are right & that it was 209 & 210.  
The lots I gave you from were collected  
in Ashland July 6 & July 24 this year,  
& those I sent him the same. He did  
not again send me the identification,  
as he knew tho' he had done that when  
he was living at Cambridge.

The "*gemma Conex muricata*" was  
that which I sent you (& label) in



the important package, which Uncle Sam treated so kindly. I sent Mr Bailey a specimen from the same lot, & he replied as I told you.

The *Carex* from Salem, June 30, 1879 I did send to Mr B. & he says of it that it is *Carex straminea* "very odd."

He confirmed all my identifications but one, I believe, & that was *C. digitata*, from Purgatory Swamp, which I had without much examination named a form of *C. laxiflora*.

*C. straminea*, v. *tenuis*, Boott, which in his catalogue he gives as *C. straminea*, he tells me he now calls by Boott's name, *C. straminea* v. *tenuis*. He thought when preparing his Oct. that *C. tenuis* Boott was a distinct plant, but now concludes that our Man. form may bear the varietal name.

To me the most interesting thing I met him in a queer *Carex* which I call, as long ago as 1877 in Medford, &

wrote. I never could satisfactorily identify with any known sp. I was hunting for *C. salina* at the time, which grows in the salt marsh on the Mystic river, & supposed at first when I got hold of this that it was that sp., then I saw it could not be, & at last I decided that it must be a hybrid between *C. salina* & *C. stricta*, Swan. Boott a year or two ago took up & described the same thing in *Concl. Bot. Soc.* as "*C. spiculosa* ? Fries." - the plant being from the very same locality as mine. I cannot make my specimens square perfectly with his description, but concluded that he must mean the same thing, as nothing else grows there so near it as my plant.

Bailey thinks that my conjecture is correct, & that instead of being *C. spiculosa*, it is *C. salina* x *C. stricta*. It exhibits characteristics of both sp. very plainly, & both sp. are there in close proximity, as well as *C. maritima*.

to work and look it up - unless I can form my own opinion about it.

Just now I have been fairly puzzling myself over the Aster described in Spex. Her. as *A. dumosus*, *A. vimineus*, *A. diffusus*, *A. pubescenti* + *A. paniculatus*. I have collected a large number of forms growing along roadsides, + I declare, one half of them may belong to either of the above species - + I have got so confused that I don't know one from 't'other! I wonder if Dr. Gray himself knows the species apart?

I shall carry them down to him, and put him to the test. I don't see why he did not lump all these nearly allied forms together, + call them by one name. They were bad enough in the manual, with only <sup>two</sup> or <sup>three</sup> names, + now they are just three times as bad. He once told me that he did not know anything about Asters! I am pretty sure I don't - Mr. Watson also told me that he did not know an Aster when he saw one.

With kind regards to Mrs. Beane

I am very truly yours  
Thomas Mearns.

Ashland, Mass. Oct. 3. 1885.

My dear Mr. Beane

I received your letter of yesterday this evening, and answer it now because I find myself apt to forget letters if I put them off answering for several days.

It is all right about *Carex hirta*. You will understand that the plants I gave you when you were up here, so marked, are the same thing that Mr. Bailey verified some time ago. I sent him mine from the same lot from which yours were taken. Because he expressed a wish to have more of the American plants, + I collected them again this year mainly to supply his wants.

I have got things mixed. I fear, about the *C. mucicata*. The plant I sent you in my parcel, so labelled, is the ~~plant~~ one *mucicata*. After sending it to you, I received Mr. B's letter in which he verified the *Carex* that I had sent him, and said, as I subsequently wrote you, that it was the only American species he had ever

I don't see why he did not lump all these nearly allied forms together, + call them by one name.

seen which he could unhesitatingly refer to  
*C. neoricata*. Now when you asked me if  
I had sent any of the collecting data,  
"Salina, June 30, 1879" to Mr. B., I did  
- I suppose that you referred to the *neoricata*,  
but to another plant coll. at the same  
time & place, & which he identified as  
"*C. straminea*, very odd." Now the *ne-*  
- *gama* has arisen. No. - your plant is  
all right. "*C. neoricata*, *gama*." &  
so, I have no doubt, on the other two sent  
with it. *C. lenticularis* & *C. prostrata*.

It so happened that these *C. straminea*, &  
*C. neoricata* & *C. prostrata* were all collec-  
ted on my trip to Salina, & near the same  
spot - unless I am greatly mistaken (I think  
your *prostrata* are the Salina form, & not the  
Purgatory Swamp form - for it not?)

As to *Euphorbia glyptosperma*, I am  
very glad to have you look it up, but  
if that is not right, I am afraid that all  
the spec. is so marked (& I have them from

several botanists, & several specimens of ~~an~~  
in my Herb. are wrongly marked. If you  
have to take them in hand, & make an  
through inspection of them. Yes, the plant  
& gave you was prostrate, & the seeds had  
two or three transverse shallow furrows across  
them. My mistake, if there is a mistake,  
lay in following the lead of various con-  
tributors to my Herb.

I am much amused, but not  
at all surprised at your attachment over  
the *Solidago*. Dr. Gray has several times  
knocked us over in the same way, calling  
a plant one time by one name, & afterwards  
by a different name. I think sometimes  
he looks at your plant rather carelessly, &  
then again his mind is running on some  
near names which deceive him. I have  
learned to rely mainly on myself, & so  
will you bye & bye, & when the Dr. or  
anybody else supplies a plant for us, I go

Ashland, Mass., Oct. 6, 1885

Dear Mr Deane

Enclosed please find the labels which you desired me to sign. I believe that I have omitted none this time.

You should say of *Potamogeton zosteraceifolius* Schum. "*P. compressus* Fries, var. *h.*" for it is not the *P. compressus* of Binns, which was a very different plant, but the *P. compressus* of Fries. I know that it is as attributed to Binns in the Manual, but it is a mistake. Binns gave that name to what is now commonly known as *P. perillus*, var. *major*, or what I think is a better name "*P. micromatus* Schrad."; for it seems to me a good species.

The doubtful Nuphar I suppose we must for the present stand in blank until we can settle its status more satisfactorily.

Mr Horsford told me himself that the identification of the Knight's Island *Equisetum*

I will so my way that does not see but the part of it. I am afraid I do not do anything else. They are very common backwards.

as *C. littoralis* had been questioned, but he  
did not say by whom, nor do I know.

I am much interested in  
your new find upon that "mariners' waste  
heap." It appears to be a *Salvia*, but I can-  
not make out what species. It is not mentioned  
by anything in my Herb., nor does it seem to be  
described in Gray's *Exp. Flor.*, nor Koch's *German  
Flora*, nor Hooker's *Sturt's H. of Brit. Isles*.

You will have to carry it to the Gardens, &  
get Dr S. or Mr W. to help you make it out.  
I think it must be some foreign species that  
has strayed within our boundaries. It looks  
somewhat like *S. pycnostachya*, *art. v. Pringlei*,  
a new ~~sp.~~<sup>var.</sup> coll. last year in Arizona by Pringle, -  
still it evidently is not that. I should,  
however, just look at the typical *S. pycnostachya*  
<sup>art.</sup> if there are specimens at Cambridge. It may  
be a sp. blooming somewhere on the Mediterranean =  
an. the seeds coming in here on some vessel  
with fruit.

Very cordially yours  
Thomas Morong

will be equally interested. Mr. Beaupre  
started the plan two or three years ago  
when he was ~~secretary~~<sup>secretary</sup> of the Institute. I  
had some correspondence with him at that  
time about the matter. Mr. Collins would  
be glad to get lists of all the plants found  
in Middlesex Co. I have given him all  
that we have found from that part of  
the forest in Cambridge. But not Ballota  
nigra - do you think you can say positively  
that you got it there? If so, he would  
be glad to know it. He has lists of all the  
ordinary plants, & also many rare & occasional  
finds - as e.g. stragles from the wool heaps  
near the woollen factories in Lowell - but he  
wants to know everything that has ever been  
coll. in the Co. He also wants specimens of  
our County plants for the Institute Herbarium.  
I gave him all the Potamogetons, which belong in  
the County, so far as I have coll. them.

With renewed expressions of interest & regard  
to Mr. Deane. I am very truly yours,  
Thomas Mearns.

Ashland, Mass. 16 Oct. 1885

My dear Mr. Deane

Your kind note came last evening  
and the parcel this evening. I only  
write now to tell you of their safe  
arrival, and of the great pleasure which  
I have enjoyed in looking them over.  
The botany is superb, really & truly  
so - and all of them are beautifully  
prepared. Many of them I shall cer-  
tainly keep for my Herb., partly for their  
excellence, & partly for the locality from  
which they came. Of the Silene I  
had no specimen in the Herb., so that  
is particularly desirable - so also is  
the Salix from the dump heap.

I have not yet examined the plants - only  
looked them through - & therefore can  
say nothing as to identification. It  
gives me great pleasure to see my old

mountain friends, & other specimens  
recall the many delightful climbs  
which I have had over Mt Washington,  
Hayes, Clinton, Mansfield, Gards Hump  
&c &c. The Spermium recalls the same  
thing which I took out of Hermit Lake,  
Mt Washington, & the Trisetum *inspiration-*  
o. recalls my climb in search of it over  
the crags near Tuckerman's Ravine - &  
so on.

I may write you  
further about the plants, meantime  
can only say I heartily thank you  
for the pleasure you have conferred.

The cardboards I will pursue, as  
you request. I have many pieces which  
have come to me from exchanges, and  
plants sent for identification, I have  
also bought it at a store in Cornhill,  
Boston, where all kinds of board are  
to be obtained.

I have just sent all my Herb. spec-  
imens of Carex to Mr Bailey for his exam-  
ination and determination, 207 species, and  
45 varieties. I expect he will think <sup>that</sup>  
his good nature is imborn upon this time,  
for to every sp. & var. there are dozens  
of plants & in some cases scores <sup>having</sup>  
all kinds of forms. Of that polymeric  
sp. *C. straminea*, there are not less than  
75 or 100 specimens. I hated to inflict  
such a job upon him, but he invited  
it by telling me to send him plants at  
any time & he would do his best to iden-  
tify them.

Have had recently a very pleasant visit  
from Mr F. J. Collins, of Malden, who  
is acting for the Middlesex Institute, &  
is getting up a catalogue of the flora  
of our County, in which I am much  
interested, & in which you, of course,

*Utricularia macrantha*. If I knew anything about  
names, and *Andropogon* in particular, I should  
be disposed to ask if this is surely not a =  
guttata, but I wash my hands of most of the  
genera + species, and let them go as marked.  
I do not think that *A. argutus*, *A. Vir-*  
*ginicus* + *A. macrantha* are well disting=  
uished, + I presume as usual will tell  
Vasey + Silliman issue their expected volume  
before we can tell positively which is which.

I have enjoyed looking over & examining the  
herb. you were so good as to send. With note  
plants, of course, I have no difficulty, as  
~~with others.~~ I have no name to them, and  
you have an all right: as to others I have  
no name to doubt your determinations, except  
as above indicated.

Most of them, as I told you long since, I have  
sent for my friend Bangs, + shall send them  
to him when I write up a parcel for him.

With kind regards to Mrs. L. I am  
very truly yours  
Thomas Mousley.

P.S. How did your *Georgia* plants turn out?  
Did you get anything good?

Uxbridge, Mass. Oct. 23, 1885

My dear Mr. Deane

I received last evening a parcel  
containing the Nantucket water + you  
card requesting my opinion of it. In my  
opinion it is water salicifolius, Led. - of  
w. sp. H. The old *A. carolin.*, Nees,  
+ W. Mann, was here termed it to *A. panic-*  
*ulatus*, Lam., + a *salicifolius*, Led. by  
Dr. Gray. And this form is the one which  
belongs to the latter. At least that is the  
conclusion to which I have come in  
respect to my own collections. I am  
never very sure of *Aster* or *Ranunculus*  
genera spp., for a large part.

In respect to *Utricularia striatum*, which I  
told you my catalogue credited to Nantucket,  
I am not willing to have Mrs. Owen publish  
that as my authority, as I have remembered  
since writing you about the matter that on  
my return home from Nantucket I went over



The spec<sup>ms</sup> of *Virium* at sea bridge, con-  
fusing my own with them, and felt much  
dissatisfied with the determination there.

I could not tell from spec<sup>ms</sup> them what was  
the difference between *l. Virginicum* + *l. striatum*,  
+ the point of difference made in the Manual  
did not seem to be borne out in the specimens.  
*Virium* is as good *striatum* as nearly there. But  
is there any real *striatum* (on the basis of the  
man.) distinct from *Virginicum*? I doubt it -  
and therefore am not willing to be responsible  
for saying that Austin's <sup>(Walters')</sup> *l. striatum* is found  
in Nantuxet. Austin was never a perfectly  
safe guide. I knew something about him  
when living, + of his party judgments. The  
man proposes to give *l. striatum* as Austin's  
judgment, not Dr Gray's, as you will notice.  
Walter, too, was by no means a perfect authority.  
However that may be, I have not seen nothing  
which might not be *l. Virginicum* as much  
as *l. striatum* - + *l. Virginicum* is the oldest name.

I have been making some notes on the  
plants you sent me, + will give you the benefit  
of them - on part of the spec<sup>ms</sup> only -

*Batura meteloides* - already marked upon - very fine.  
*Salvia teleioides* - very acceptable indeed  
Gardner. Glad to see with Bailey's endorsement. Some of them  
I reserve for my own Herb.

*Spiranthes simplex* - yes, + excellent spec<sup>ms</sup> too.

*Thamnos alvifolius* + *Nasturtium arvensium* - fruit was want-  
ed in both cases for my Herb.

*Rhynchos. capillacea* - good spec<sup>ms</sup> + will go into my Herb.

*Sium filiformis*. I have it from Plymouth, but do not know  
it was found at Nantuxet.

*Najas (Forsk.)*. This is the bushy, bright green-leaved form often  
found in shallow water. The leaves may perhaps be called  
wider than usual, but they occur all the way in latitude  
from this to nearly the fineness of *N. rubra* v. *gambeliana*.

*Equisetum scirpoides*, much better than anything I had.

*Piriqueta niessiana* - fruit - just what I needed + can place  
my set.

*Sparanium simplex* v. *argenteifol.* - Yes, it is v. *argenteifol.* be-  
cause the inflorescence is simple (no well branched,) but  
the stigmas are rather denser than those of true *argenteifol.*  
+ so you spec<sup>ms</sup> approach v. *frutescens*. It is not always  
easy to distinguish between the two varieties.

*Erigeron hyssop.* - a nice spec<sup>ms</sup>, somewhat taller than  
my Mt. Mansfield spec<sup>ms</sup>

*Viburnum molle* - yes, seems to be correctly determined.  
Am glad to get it, as I had none.

*Corythium spicatum*. On turning to my Herb. I was sur-  
prised to discover that I had none: so, you see,  
it is quite acceptable.

*Polyg. maritimum* - a good spec<sup>ms</sup> which I shall  
appropriate.

*Aristida purpurascens* +. It is worth knowing that this  
grass is found on our coast. I have it from  
Florida, Texas, + other Southern points, but none  
so far North as this.

Ashland Dec. 24. 1885

My dear Mr. Deane

Yours of the 20<sup>th</sup> inst.  
reached me in due course of mail.  
I am glad to hear from you again,  
as it has now been a good while since  
I had that pleasure.

I wish I could furnish you  
with all your *Caryx* desiderata,  
but I can only give you *C. varicea*  
& *C. polymorpha*, possibly *C. pedata*  
(an *Caryphile* spec<sup>m</sup>) & *C. gracilis*.  
*C. flaccoperennis* is the only species  
that Bangs's has ever furnished me.  
*C. lanigata* & *fulva* are not to be  
obtained in our country, as they  
have only been known to be found  
once at Peck's Bay years ago. There  
is a var. of *fulva* (v. *Homoskuchina*)

Wishing you in California  
I should like to see you  
and to receive of you for California  
I am for you. I will not be very  
late. I duplicate before long & see.  
*C. aristata* & *C. triseriata* I should be  
glad to get myself, & also *C. latifolia*.  
*C. Torreyi*, *C. Garyana*, *C. lupuliformis*.  
*C. Olneyi*.

I have tried in vain to obtain these?  
*aristata*, *triseriata*, *Torreyi*, *Garyana* & *lupuli-*  
*formis* - hope I shall some day. *C. Olneyi*  
I believe, however, that Bailey has turned into  
something else which I have.

I should be glad to get *Stenogyne*  
and *Arceuthobium pusillum*, if you have  
them to spare; & also once you  
get of Georgia duplicates, if you have  
others than those you mention. Some  
of them, no doubt, I should be glad to  
obtain.

Cullens work I have not seen  
though I have seen newspaper notices,

of it. I know that Bailey has  
prepared the *Arceuthobium* for it.

I have been hoping sometime to  
write to visit the Academy, and  
some had no opportunity. I was now  
a big package of plants to be shipped  
I should like to make the acquaintance  
of Mr. Murray & Prof. Coulter very  
much.

Do you have from our title Mr. Murray?  
If so I might come down next Monday  
a Tuesday ~~Wednesday~~ & call on you.  
I do not know, if you please.

I should be glad to confer my *Stenogyne*  
upon you should I ever have it.

Wishing you & Mrs. T. a  
"Merry Christmas" &

I am very truly yours  
Thomas Murray

Wobland, Mass., Jan. 1, 1886.

My dear Mr Deane

I am greatly obliged to you for sending my microscope last day. I had not mind it, as I have been out of town most of the time since my visit to Cambridge, but should have been indeed a great mourner as soon as I get - work again & not have been able to find my old companion.

I have sent some fragments of *Nais major* to Prof. Barnes, which I hope he will get ready, & which I trust he will give me cellular drawings.

I had a very pleasant time in Cambridge the other day.

& only wish I had more time  
at my disposal for visits to the  
Gardens.

Have just had a package from Prof.  
Carpenter, of the Botanic Gardens, K8 =  
Niesburg, Germany, north of Potsdam =  
plants found in Russia & Prussia -  
are a few sp. of Najas & some  
other aquatics.

With kind regards to Mrs. B.  
& with the hope that you may  
have a "Happy New Year" -

I am very cordially yours

Thomas Morang.

Ashland, Mass. Jan<sup>y</sup> 21. 1886

My dear Mr Deane

I believe that I have not yet answered your last. My special purpose in writing just now is to apologize beforehand for not calling upon you! Prof. Barnes has kindly agreed to show us some things about his microscopic work, and I am coming down to the Garden to meet him next Monday for that purpose. Knowing that you are closely confined in school during the day, I take it for granted that it would be useless to call at your house with any expectation of meeting you during the forenoon. Hence my apology - *hinc illae lacrymae!* Of course you know

That nothing would give me greater pleasure  
was when you at home.

I believe that I have at last  
got all my *Barries* straightened out. Mr  
Bailey named the last of the doubtful  
ones last week, that is, the American  
species - My European sp. have been deter-  
mined by experts abroad. Some of my  
specimens I had not looked at for years  
before sending to Mr B. - many of them  
I had scarcely studied or not at all, &  
they were placed just as correspondents  
named them in the Herb. It is a very  
difficult family. I think, with lots  
of queer forms under each group. I  
am glad to have them determined by good  
authority, as it was the only Order in my  
Herb. in which there was much confusion.  
My *Gramineae*, perhaps, are as numerous, but  
I imagine much better identified.

With kind regards to Mrs Seane, - whose  
delicious lunch still lingers on my palate -  
I am very truly yours. Thomas Morong.

Island, Feb. 9. 1881.

My dear Mr Deane

Mr Bailey - as the boys say -  
"has been to France & under" me,  
North Hero Is. & Tuckerman's -  
I probably know. I cannot quite  
understand how such a looking island  
can be converted into a variety of  
*S. tentaculata*. Ubb., but if he says  
so, I suppose we in experts must sub-  
mit.

Now this being the case, I am  
nearly sure of you a specimen of  
the Vermont plant of your last sum-  
mer's collection which he named island  
Tuckerman's. There was such a plea  
was there not? I have the species  
from Penn., but should like to get  
a spec<sup>m</sup> from New England, if you



Dear Mrs. T. -

I cannot read under much  
- supposing that my N. Heron form  
is not a *T. Tuckerianus*, & the smooth  
acrossness seems to indicate so much  
to Mr B. as further reflection is not  
impossible - species of *T.* pretty near  
as Tucker - but however, it is his  
work as guardian of the Family,  
not mine.

I hope you are getting along  
pleasantly at school & at home.  
Please tell Mrs T. that I am much  
obliged for her kind after thought which  
would have invited me to lunch, but  
I had made all my arrangements to  
be in Boston at noon that day I visited  
Cambridge, & only stopped at the Garden  
in hour or two.

With regards to her & yourself  
I am very cordially yours  
Thomas Mayou.

Ashland, Mass. March 3, 1886

My dear Mr. Brown

I have heard from Prof. Bailey, and he says that the North Hero Canis that I sent him are C. Tucker-  
mani, not the supposed C. tentac-  
ulata v. altior. I thought it very queer that my plants could be other than good C. Tuckermani. But he also says that the one you have from me from North Hero is the var. of C. tentaculata. Now I must have been misled by him, for ~~what~~ he wrote me from Cambridge that this supposed var. was one which he had seen in my Herb. & which he had named C. Tuckermani. There is no other such but those I sent to him.

The upshot is that I must see the specimen you have, in order to be able to set the matter right. I suspect that it is one which I named C. lupulina, & which I so named

with a good deal of hesitation. Of course this is only a guess. Will you be kind enough to lend me the specimen in question? Put up in good strong cardboard, you need not fear to send it by mail. My specimens to you which are injured so much will not sufficiently protect. I trusted too much to the short distance. It is very seldom that I have any broken.

I have not yet obtained Carter's Brit. Rocky Mts. How do you get on? Is there any for sale in Boston?

I trust that you are getting along pleasantly at home & in school. Please tell your wife that Miss Wiggins begins to wonder what has become of her Cambridge correspondent. We are all engaged just now in getting up a "Bazaar of all Nations" in aid of our Society purse, and so are pretty hardy driven with work. With kind regards to Mrs B. I am

Very truly yours, Thomas Moring.

Askeard, Mass. March 6. 1886.

My dear Mr Deane

I have received the parcel  
all safe.

It is as I suspected. The box  
is one which I wanted C. lupulina,  
& which as such I sent to your  
mailing. By what chance it came to  
be labelled C. Tuckermani in your  
Herb. I cannot say. But I am very  
sure that I did not name it so with  
the plant in sight. Did you not  
come up here & get the plants? I  
think you did, & probably in the hurry  
of the moment (you remember how  
we drove!) the mistake occurred.  
I think that Mr B. will find a specimen  
of it among some I sent him after  
returning from my summer vacation.  
Before I sent him my Herb. specimens,

and marked C. lupulina. Neubl. I shall  
so write him. I remember that when  
I collected it, supposing it to be C. lupulina,  
I was greatly struck with the pale  
color of the spikes, & their more slender  
and soft aspect, as compared with that  
of ~~it~~ I sent a specimen to Mr B.  
on purpose to ascertain if it was <sup>really</sup> C. lupulina.  
Still I doubt if it is a hybrid with C. tentaculata.  
There was a great patch of it, if  
I remember correctly, & apparently it was  
as prolific as C. tentaculata itself. I have  
others collected from the same patch which  
seem to be near C. lupulina in the color  
& shape of the spikes, & yet different.  
However, it is a nice question which  
Benth & Bailey may settle between  
themselves.

I am much obliged to  
you for the kindness in sending it to  
me. I have a few specimens, & as will return  
them the next time I come to Cambridge.

With kind regards to Mr B. & yourself  
I am very truly yours  
Thomas Moring.

Ashland, Mass. May 26. 1886.

My dear Mr Deane

It is now some time since I have written you, for want of anything to say. Now have several things. First to congratulate you on your successful literary debut. I have read your Willoughby trip with pleasure, and see in imagination a long list of similar contributions in years to come. Next to ask if it would be possible for your good wife to lodge an our night next Tuesday June 1<sup>st</sup>? I have much to do at the Harkness, and can scarcely accomplish it in a single day. As my finances are somewhat restricted - this year made smaller than ever by a long illness of my wife, - I don't wish to travel up and down any more than is necessary, using both ways & time thereby. So if you could accommodate

me over night. I could better have  
the pleasure of meeting you, and of having  
time enough to consult Mr Gray's library  
and Herb. Please let me know.

I am just now hard at work on a  
Napier paper - here it must ready for  
publication. But need some aid from  
Mr Gray's library - I have nearly all his  
Napier material here. I don't know  
but I shall catch it for the conclu-  
sion I have come to about the Dr.  
Champlain form, but "nothing venture  
nothing have".

My Review of Naiaid. is also pro-  
gressing somewhat, and I hope to get  
it ready next winter. The editor of  
The Torr. Bulletin has offered to publish  
it in full, with drawings.

I have your mounted *Canax  
tentac. v. altior*, which I will

bring down with me.

If you say "yes" please  
let me know at what time you reach  
home in the evening.

If it is inconvenient for you to  
keep me, don't hesitate in the least to  
say no, and I will make some  
other arrangement.

My wife is still very feeble. Can-  
not get out of doors at all, & only  
goes down stairs to dinner. She has  
been laid up now for two months: but I  
hope as settled weather comes on, she will  
grow stronger.

Very truly yours,  
with kind regards to Mrs Deane.

Thomas Moring.

Ashland, Mass. 28 May 1886

Yours received. Many thanks for the  
kind response. Mrs L. will please excuse  
me from the "lunch". I think I must  
spice all my time during the day to study.  
Just as much obliged, however. Will be an  
hand at 6 o'c. P.M. Then entirely free.  
I can enjoy myself in company if you  
will. Very truly -  
T. W.





1. The postage stamps to be on this side

Mr Walter Deane  
5 Brewster Place.  
Cambridge. Mass.

sorry for you. We shared it with  
special services as *Ficus* a *Chilodermis*  
bag with plant "flowers", but  
hardly any leaves. I had a  
cold - was hoarse, and felt bad  
generally. Better today however.

Mr. M. has given much  
trouble & is beginning to go out  
soon. I reached home in  
good order after my hospitable  
entertainment at your house, &  
have been finishing off my paper on  
Naples since - now, I am glad  
to say, in the printers hands.

Have at last obtained the joy of my  
heart, a good lot of that *variosum*  
*Meghalopoda* *Tongii* var. from California  
via, which I have been trying for during  
the last two years. Got both fertile and  
sterile plants from the only collector in  
America of both kinds of flowers. - Kind regards  
to Mrs. S. - Very truly yrs Thomas Moray.

Rehland, Mass. June 14, 1880

My dear Mr Deane

I think your boy will  
have to get a Dodge made for  
him. When I lived on the sea-  
shore I got up one myself, but  
never accomplished a great deal  
by means of it. I went in a row  
boat however, which makes a  
good deal of difference.

In Woodward's Manual of the  
*Mollusca* p. 141 (a book which  
probably he can find at the Natural  
Hist. - Technological Institute -  
Building, if nowhere else) is  
a drawing and description of a  
light serviceable Dodge, which could  
be easily made, with directions for

using the same. By the way,  
Prof. Hyatt, Janitor of Nat. Hist.  
Soc. could give him useful hints  
on the subject.

I should also advise him to make  
and use a tow net with which to  
catch floating objects, some of which  
are very curious animals & or  
shells. It is easily made -  
the net being merely a bag of  
muslin or netting (muslin best)  
sewn to a ring of stout wire  
some 10 or 12 inches in diameter.  
This may either be fastened by a  
pair of strings to the stern of a  
boat <sup>or towed behind,</sup> or fixed to a stake or pole  
that may be held overboard by the  
hand.

With a little ingenu-

ity he might entice a Dredge him-  
self. Unless he is going with a party  
of naturalists who will take the time  
and pains to do dredging properly, he  
should not think of anything but a  
light dredge, which he can use in  
shallow water - water, say, 10-20  
feet deep. It is very heavy and  
hard work to dredge - as the Coast  
Survey dredge - in deep water, it  
needs the use of tackle & machi-  
nery, best with the aid of a  
steamer's engine. But a light  
dredge fastened to a rope 25 or 30  
feet long, in comparatively shallow  
water, he could manage well enough.

Do you hoped to escape  
the rain at Newburyport yesterday,  
did you? Well, if you had  
such a sloppy, chilly, uncomfortable -  
ble day as we had here, I am

*Potamogeton* growing there, *P. Mygaleticus*,  
+ *P. gramineus* v. ? *Spethaleiformis* " of the  
manual, - wish to look again at them,  
+ some other things. Several interesting  
varieties are there - *C. maritima*, *C. Sa-  
vina* + the curious hybrid which that  
fuses with *C. stricta*.

Don't trouble yourself to write about  
the matter. If you are at the depot,  
it will be all right, + if not, I  
shall not find fault, as I should  
hardly expect you to leave the Har-  
vare Museum for that purpose.

Yes; Mrs M. is much better,  
+ is able to go round about as usual.  
Please give my kind regards to Mrs Deane,  
who, I hope, is enjoying Concord as  
much as you do.

I shall do Spst Row, Sturbeam  
before long. Perhaps we can arrange an  
excursion together to that.

Very truly yours  
Thomas Moring.

Ashland, Mass. July 8. 1886!

My dear Mr Deane

Yours of the 6<sup>th</sup> inst. is at  
hand. Am very glad to hear from you.  
As to the specimens you send -  
it is difficult to tell much about  
such scanty materials, there are  
so many water plants that they  
might be. The fine leaved plant  
which you found floating in quanti-  
ties is as likely as not to be the  
capillary <sup>floating</sup> leaves of *Eleocharis Rob-  
insonii*, which grows in such places, +  
behaves in just such a manner. The  
others may belong to ~~*Sagittaria*~~ <sup>*Sagittaria*</sup>, many  
forms of the species of which when  
in the water act like these, as *S.*  
*minimum*, *S. simplex*, var<sup>s</sup>. &c.  
Or the broader one might possibly  
be *Ballineroia*, after all. Though

You would a "dry" one to the bottom  
down on the surface of the water if it  
were that. You see I can't give you  
much satisfaction in guessing.

I am glad to know that you are  
having a good time. I thought you  
would. If you go up & down the  
Concord River much, you will probably  
run across our small Nuphar - *N.*  
*Kalmianum* - which grows in places  
along that stream, and you should  
find quite a number of Potamogeton  
species, among them *P. longiloba* Tuck.  
If you had that and got ripe fruit,  
I shouldn't object to a dozen or more  
tops with good fruiting spikes upon  
them. My wants in the Potamogeton-  
line are always abundant, I have  
such a constant drain upon my herb.  
for exchange.

I was in Cambridge last Tuesday.

and also Watson looking as he was  
in the country, & for May as likely  
as now. He is now on the Ureolaceae  
& all ready to look at your specimens.  
Tells me he should write you to  
look him up for specimens of *U. can-*  
*cellata* or *helveta*, which he is  
inclined to think a separate species.

I want to go out to Mystic pond,  
Medford, and think of taking a tramp  
out there next Monday. Shall take  
the train which leaves <sup>probably</sup> ~~Boston & Maine~~  
Depot in Boston about 10 o'clock  
a.m. - do you want to go?

Even if it does not rain. I am not  
just sure of the hour the train leaves  
Br. & Bow. Depot, but think it is 10 o'clock  
at all events. I shall ~~be~~ reach  
that depot by 9½ a.m. & take the  
next train. I find two interesting

Ashland, Mass. July 13. 1886

My dear Mr Deane

Yours of yesterday just received.

I am truly sorry to have missed  
you in my trip to Mystic Pond.

I reached the South depot, Boston,  
at 9.15 A.M., found that no  
train left for W. Medford till 11 o'c.  
but that one did leave for Arli-  
ton at 9.35. A. is just as near  
to the pond as W. Medford. I was  
in a great quandary what to do.  
When 9.30 came I concluded  
that you was prevented from com-  
ing, as you said that you would  
be at the depot by that time.  
So I made up my mind that  
I had better go along. I found

with words that there is something  
to be done for the night at 10 o'clock, and  
regretted that I had not written,  
as I certainly should have done  
had I known it in time, but  
I felt so sure that something had  
determined you, that I thought it  
useless to wait. Well, I regret  
much to have lost your company,  
but you did not lose the two princi-  
pal objects of my going, *P. mysticus* and  
*P. gramineus*, v. *spathe*, as unluckily both  
have died out, and the station is oblite-  
rated, — a great pity. I did not  
search for the carias as I should have  
done, had you been with me, having plenty  
of them. You might have obtained *P. stans*,  
*inifer*, however, had you desired, as that has  
crept into the pond. *P. pupillatus*, elev. is a  
by-product there. Better luck next time.  
Let's try *Spot pond* next — what do you say? When  
are you coming home? I can go most any time.

The *Latura* caterpillars, the seeds of which you saw  
me sowing up nicely in my garden.

Kind regards to Mrs. Bede.

Very cordially yours, Thomas Moring.

Waltham Sat. evening,

Your card just received. By this time, you have my letter, & know what I propose. If you do not feel like taking two days in succession (Tuesday for Waltham and Wednesday for Wrentham) please write me by next mail; but I should be glad to make that arrangement, if possible. Make your own arrangement, & I will agree. If you can't do but one, suppose we go to Wrentham on Wednesday as proposed, & you come here later. I shall reach Boston from here by 9 o'clock A. M. - go right over to Eastern depot, & take the next train for North Beverly, whatever the time. But come up on Tuesday if you can, and then we can make all necessary arrangements.

Very truly  
Yours,  
T. M.





Nothing but the address to be on this side.



Mr Walter Beane  
5 Brewster Place  
Cambridge, Mass.

As Man. Sept. 6. 1886

If you have decided to come up here  
tomorrow, & this does not reach you  
too late, please get me a lot of the seed  
of *Arctium lappa*, v. *com.* With some my-  
self & have promised by Britton some -  
I shall probably hear from you in the course of  
the day -

Yr -

F. C. C.

UNPAID STAMPS

POSTAL CARD

Nothing but the address to be on this side.



Mr Walter Deane  
5 Brewster Place.  
Cambridge.  
Mass.

convenient makes me long to get away  
into the woods and upon the ponds.

Have not yet received my *Nuphar*  
art. in Bot. Gaz., but suppose I shall  
before long. Mr Barnes wrote to me  
as though they had seen a little too  
much for systematic botany in the  
*Gazette* this year. You know that they  
have tried to induce the biologists to  
take up more room. The *Dom. Club Bull.*  
seems to be altogether devoted to sys. bot.,  
and the *Gazette* is trying to get ahead  
of that - and, truly, succeeded!

My wife has nearly recovered  
from her illness. We both wish  
kindly to be remembered to Mrs. Bean.  
Very cordially yours  
Thomas Morang.

Ashland, Mass. 16 July 1885

My dear Mr. Bean

Please put me up about a dozen  
specimens of *Nuphar pumilum* poets. Split  
them in two and dry them under light press  
sure so as to preserve the <sup>natural</sup> shape. Include  
some of the pods which have the remnants  
oblique to the body, of which there are  
usually many. A few of the flowers, also,  
will be acceptable. You will find it well  
to cut off some of the flowers at the junc-  
tion of the stem and press them out flat,  
so as to show the stigmatic shield per-  
fectly. Most *Nuphar* are ruined in  
the drying by being "messed up", showing  
no part perfectly, and often mouldy  
at that. Cut off, the flowers will  
dry rapidly.

I am truly glad to hear that you  
have again run across the rare *Arce-  
tium*. I shall hope to get some good

Species of ferns, especially fruit. Get some ripe fruit if you can, so that ~~you~~ it can be planted next year in my garden. All the things which I transfer to my garden from the refuse grounds here seeded themselves out some up the second year, such as *Malva* ~~l.~~ *cord.*, *Batum* *vermis.*, *B. tatula* &c. I would not wonder if they naturalized themselves here after awhile.

I was greatly disappointed the other day in not having your company to Mystic Pond. I very much wanted to talk with you about the Nat. Scientific Assoc. at Buffalo. I have some thoughts of trying to get out there myself, and suppose you are informed as to its date, length of session, cost of getting there &c. I suppose we both should be members of it. Do you know the process of

getting into membership? Possibly some member must recommend, you are voted in, pay a fee &c. &c.

The next time we plan a trip, we must be more particular about choosing the time of train &c., & then we shall not be liable to make a miss.

Spot Pond is approachable in several ways. I have generally gone out on B. & Maine R.R. to Wyoming Station, Melrose, and walked from there to the pond. Can go by B. & Board road to Stoneham, which I have sometimes done. But will arrange that when you get home. Please send me word.

I am driving hard with the quill just now, and do not get any from home much. Have a long art. to prepare for Bull. Torr. Bot. Club on the Viciae &c. in the Torr. Herb. There are several new species in the collection, which require considerable study: such

Ashland, Mass. July 21, 1886

My dear Mr Deane

The Nuphar you send is not *N. pumilum*, Pursh. It is my new *N. rubrodiscum*!

I did not suppose that was quite so near, but I am not very much surprised. I have no doubt if you hunt up and down the river carefully you will find both the parents, *N. advena* and *N. pumilum*. The latter you will know by a dark, rayed stigmatic disk, the rays separate & stellate. That you send, if you notice, has a bright red and angled rather than stellate disk. This is probably the hybrid state, though I have not put any of the pollen under the microscope, and

that accounts for your not finding  
more fertilized berries. I should like  
to go up there one day and examine  
the locality with you.

The grass you send I should  
call *Panicum dichotomum*, but Vasey  
has made so many new sp. out of that  
old form that I should hardly dare  
to say positively.

I think you are mistaken about not  
paying for admission to Amer. Assoc.  
I think that applies only to joining the  
"Botanical Section" but that you must  
first join the Assoc., which I suspect  
will require a fee of now \$5.- and  
\$2. or \$3. a year afterward. If I am  
mistaken, all the better. I hope to be  
able to go, but am not sure. It would  
give me great pleasure to have your company  
if I go. What do you say to a trip to  
Spet Pond next Monday July 25. ? If you say  
yes, will write you as to time of leaving Boston

August no. of Bot Gaz. not out  
yet. I wonder what delays it.

Very truly yours  
Thomas Moring.

Ashland, Mass. July 27, 1886)

My dear Mr Deane

Yours just received. Of the plants enclosed  
the Scirpus is undoubtedly *S. eriophorum*, and the  
grass *Styria* or *Atropis distans* or *maritima*,  
as you choose to call it. I never could make out  
any difference between *S. distans* Wahl. & *S. ma-*  
*ritima* Wahl., finding both together in the same  
meadow and selecting for the last those specimens  
which have only one or a pair of panicle branches.  
Thunberg calls them both *Atropis distans*. Griseb.  
saying that forms with few flowers' spikelets in spreading panicle  
are answer for *A. distans*, & those with many flowers' spike-  
lets on solitary or geminate rays of an erect & somewhat  
1-sided panicle answer for *A. maritima*. You send me  
both forms, I think.

When you return to Cambridge I should  
be glad to have you accompany me for a day to  
Concord, as I wish to investigate that *Xyloperis* a little;  
and it saves a great deal of time to have some body on  
hand who knows the locality, place for obtaining about  
&c. Will you go?

I have had sent me one of the Am. Assoc.  
Ad. Science circulars, by which I find that  
in order to become a member, one's name  
must be proposed by two members in form to  
the Standing Com., and voted in: after that  
he may join the Nat. Club of the Assoc. simply  
by registering his name. The membership fee  
is \$5.00, and the annual assessment \$3.00  
both of which must be paid before he can



receive the certificate of membership. So there is some expense and considerable red tape about the matter. The fees I suppose are used in printing the annual proceedings of the Assoc., and each member is entitled to a copy. I hope, by all means, that you & Mrs B. will go on to Buffalo. I hope to be there on the 18<sup>th</sup>, when it commences. They will doubtless have a first rate time, as there is a fine scientific soc. in the city, and quite a number of active botanists. Many excursions in the vicinity will be made, & it is excellent collecting ground.

It is a beautiful coast all along the region about here. I have been at Kennebunkport, a little further down, and know very well what the beach is. It is capital bathing to get out when the hard sand, for four or five hours, on a bright sunny morning, and take it in the "go-as-you-please" fashion.

With regards to Mrs M.

I am very truly yours  
Thomas Moray.

Uxbridge, Mass. 30 July 1886

Yours received. I will gladly accept your  
kind invitation and come down next Tuesday  
by 6 P.M. spend the night with you, and go  
to Concord next day on 9 A.M. train, Fitchburg  
R.R. - if that hour suits. But (D.W.) will be  
on hand Tuesday (Aug. 3) & we can arrange -

Very truly,  
T. W.

UNITED STATES  
POSTAL CARD



Nothing but the address to be on this side

Mr Walter Deane  
5 Brewster Place.  
Cambridge, Mass.

Arkeland, Mass. Sat. evening - 31<sup>st</sup> July

My dear Mr Sears

Yours of this morning  
just received. You seem not to  
have rec<sup>d</sup> the postal I sent  
last evening, in which I pro-  
posed to come down + stay with  
you over night next Tuesday  
and proceed to Concord by the  
9 A.M. train next day. I would  
not mind about Mr How, as he  
probably will let you have his  
boat whether he can go or not,  
and I am an old "boatsman"  
and can row any boat known.  
If not, it will doubtless be easy  
to obtain a boat of some one  
in Concord, + you know the

locality. I say this because  
I cannot go every day. For instance,  
I must be at home Thursday evening  
anyway as I have an engagement.  
and it will be next day for me to  
be Wednesday. We better stick to my  
plan, I think, & if I do not  
hear from you to the contrary,  
I will come down as proposed Tuesday  
evening, reaching your home by 6 P.M.

Very truly yours,

Thomas Murray

Sharp - & truth to tell, that  
is why I dread his questions.  
I expect to be pulled over the coals,  
any way as to the theory advanced  
in my art. & only hope I  
may come safely out of the ordeal.

Have had one of his flowers  
from Prof. Dudley, of Cornell.  
It is remarkably well got up.  
The maps, especially, are admirably  
done.

I am expecting to have a fine  
train of Buffals. Trust I shall  
get them in safety, & so return,  
shall hope to see you sometime  
early in Sept.

With kind regards to Mrs D.

I am very truly yours  
Thomas Moring.

Woburn, Mass. Aug. 16. 1881.

My dear Mr Deane

I received both your letters,  
the one of date, Cambridge Aug.  
5. & the other of date, Aug.  
10. & but as I was in a great  
hurry to go down to Quincy, where  
I have been the past week. I had  
no time to answer. The second letter  
was forwarded to me there, I have  
just returned, & am here only for  
the night, intending to take wing  
for Buffalo tomorrow.

The letter of Aug. 5 you give  
me the result of examining our  
write ground plants. The Saururus  
I made out as you name them -  
also the Verbascum. Ballota nigra  
is correct, I think. I have good  
specimens from England, & this is

the same, but with a white instead  
of purple flower. The *Guaiacum*  
plant, of which you speak, I do  
not recognize at all.

You did not give me the name  
of the rank smelling labiate plant,  
I did not recognize it, having no time,  
but it struck me as a *Monarda*,  
altho' *Spicula* is also correct.  
I know nothing of the *Echinops*.

Your letter of Aug. 10, with the  
two *Potamogetons* & a grass -  
the *Potamogetons* are both correctly  
assigned - *P. pectinatus* and *P.*  
*perfoliatus* - the grass I have  
had no time now to put under a  
lens, so I can say nothing about  
it. Will look at it when I  
return home.

Have had a very pleasant letter

from Mr. Hoar of Concord, in  
which he sends me what he takes  
to be fruit of *Potamogeton Robbinsii*,  
but which I am sorry to be  
obliged to tell him is only that  
*P. Claytoni*. He would be a lucky  
man to get fr. of *P. Robbinsii*.

I am only too glad that  
"friend" Bebb is off so far  
that he can't put troublesome  
questions to me about that Na-  
ples. You know that it is  
an old saying that "a fool  
can ask questions which a  
philosopher cannot answer," -  
not by any means that Bebb  
belongs to that category - he  
is one of the sharpest of the

Ashland, Mass. Sept. 3, 1886

My dear Mr Deane

I do not know if you  
have returned home from the salt  
water yet. & so write this at a  
venture.

As you are fond of botanical  
excursions, what do you say to  
a trip with us to Weuban Pond?  
I purpose going there soon to look  
after a peculiar form of *Botano-*  
*geton* which grows in that pond -  
a form quite doubtful as yet -  
which my foreign friends are strongly  
inclined to call *P. nitens*. I  
have never collected it, though  
have hunted several times for it -



But Mr Faxon sent it to me  
three years since, & I know  
the exact locality from which  
it was obtained. I wish much  
to obtain it in fruit if possible.  
Should like to go next week if  
possible. Please let me hear  
from you.

Had a grand time at Buffals.  
Met all our botanical acquaintances  
- Cameron, Steud., Bunker, Coulter,  
Bebb, Peck, Britton & others.  
The botanical club was attended,  
I should say, by 50 or 60  
members. The papers & discussions  
were all interesting. The

Excursions to Niagara Falls,  
Ward Island,  
Point Abino in Canada & Lake,  
& Chautaugus, were all exceedingly  
pleasant socially & botanically.  
The Buffaloes treated us with splendid hospitality.  
Sorry you were not there, - heard  
many reports from Warner and  
Bebb that they did us - see you.  
Hope you have had a pleasant  
and profitable sojourn at the  
nation.

With kind regards to Mrs S.  
I am  
Very cordially yours  
Thomas Morang.

Ashland 4 Sept, 1886

I should like to have you come up here next  
Tuesday (7<sup>th</sup> inst.) if that will suit you as well,  
as I wish to go on my proposed trip to Newham  
on Wednesday of next week, if it is fair weather.  
Your postal received. -

Very Truly yours,

F. A. L.

Take your own time of day for coming. Cars reach here  
at 8.05 A.M. & 12.15 noon. - leaving Boston at 7 & 11 A.M.

ONE HUNDRED STAMPS

POSTAL CARD

Nothing but the address to be on this side.



Mr Walter Deane.

5 Brewster Place.

Cambridge.

Mass.

Saturday Sept. 15. 1885.

My dear Mr. Deane

I find myself unexpectedly de-  
barred from visiting you & then  
home & come up and spend a day  
with your work. Our youngest  
girl is called to go home and  
take care of a sick mother, and  
has left us in the lurch, so that  
we are alone. Under these circum-  
stances it would not be my pleasure  
for Mrs. Deane & I am afraid: so that  
pleasure in such hour & part from  
the present. But if you will  
come and see us informally any  
day this week or next, I will give  
to take a tramp ~~for~~ <sup>with</sup> you hereabouts,  
and rather think I could get Miss  
Wiggins & Miss Jones to go with  
us. It will give you picnic  
entertainment. I know that Mrs.  
Deane does not take kindy 15-hops  
and games, bias etc. & should be

would be glad to make any proposal if they  
suit them. As you are of my  
mind in that line, it would be  
very pleasant to both of us.

I mean what I say, please understand.  
— I am always delighted to go with  
a botanist on an expedition anywhere.  
So you will not be putting me out  
at all, if you will choose your own  
time + come up.

I will make out your labels  
as soon as I can get time to attend  
to the matter.

Please give my kind regards to  
Mrs Pease, and thanks for her  
kind hospitality which I fully  
appreciate.

Very truly yours  
Thomas Moray

Albion. Lat. 20.

Dear Mr. Mann

A funeral service unexpectedly  
requiring leaders it impossible  
for an ~~to~~ come down to Cambridge  
next Monday. I will come  
on Tuesday instead, at the ap-  
pointed hour, unless I hear from  
you to the contrary, and if  
that will not suit you will  
come on Wednesday. 97 780  
I will  
be in town Tuesday

Yours truly,  
H. H. H. H.

Your card of the 11<sup>th</sup> just took  
out of the office.

The above will explain all  
that is necessary —

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Wilmington, Mon. Sept. 16. 1838.

My dear Mr. Beane

Telegram received. It is all right. I shall expect you to-morrow (Friday) in the noon train. Will arrange some excursion with you, to get the ladies to join. I am to see in the "Ladies' Magazine", now, so long, a little bit of a row.

I find all the Potamogetons collected in Fresh Pond of interest, and have preserved most of what I brought home.

Very truly yours

Thomas M. Brown



birds in the other 16 ...  
I had to wait  
much longer before I could find  
the bird, & that was in the  
house. I shall try again after  
that fruit.

With kin regards to Mrs. D.  
I am very truly yours  
Thomas Murray.

Ashland, Mass. Sept. 23. 1886

My dear Mr. Deane

Yours of the 21<sup>st</sup> at  
hand. Enclosed you will find  
the labels that you desire on 5  
return signs.

The Utricularia which came  
from Wausabaton is *Utricularia*  
*gibba* W. "The spur thick & conical,  
shorter than lower lip & approximate  
width (Syn. Fl.)" is exact, so far  
as my eyes could judge. I think  
there can be no question about it.  
You will notice, also, that the "bladders"  
are minute, much less than a line  
in size, none of the characteristics  
of this sp. as noted in the books.

I wish much that it had been  
*U. minor*, as I have plenty of  
*U. gibba*, - but evidently it is not.

I wish I could come across  
*U. chlandrinii*. I have never yet  
seen it & do not know it -

but I suppose the presence of  
Elastogonous flowers would be its  
best mark for identification.

I am glad that you had not so  
through 5 China in that box on  
the margin of Fresh Pond. It is a  
very timberous grass. Please  
keep me one or two of the specimens  
of the *Proserpin*. If you will send  
me small (one or two square) I  
will send one with a *Stachys*  
to Dr. N. B. Robinson for determination.  
I hope to return the Columbia Coll.  
plants before long.

Why, yes, of course, a fruiting  
specimen of *Potamogeton* & *Utricularia* would  
be valuable, since fruit is so  
very rare with that species.

The silicious sheaths of diatoms  
can be made out only with very  
high powers of the microscope.  
I should ~~say~~ <sup>think</sup> you have  
some <sup>specimens of</sup> the *Stachys* & the silicious,

that would be pretty good  
proof of their diatomaceous ori-  
gin. However, all the *Stachys*  
in Fresh Pond water is not neces-  
sarily diatomaceous. They might  
be *Stachys* ~~or~~ *Stachys*, *Stachys*, *Stachys*,  
~~or~~ *Stachys* ~~or~~ *Stachys* mixed with  
it. What I examined, however, was  
of the distinctive thick & diatomous.

If Mr. Hoar has really  
found *N. columbiana*, I hope  
he will give us a chance to see it  
in flower next year - or, at least  
that, in any state. I have speci-  
mens from N. Jersey & Texas, but  
have never seen it growing. It  
must be quite interesting in apper-  
ance.

My specimen of fruit of  
*Nymphula odorata* from Waukegan  
- I mean my best - case  
was together, w. *Stachys*, held to

Ashland, Mass. Oct. 12. 1885

My dear Mr Deane

I have heard from Mr Britton,  
and he calls your *Cyperus* "*C. distans*,"  
L.; a sp. ~~not~~ recently in N. Car.  
by Mr. Cuthy. Now if you can  
part with one of the spec<sup>ies</sup>, you  
had better enrich my Herb. to that  
extent. I will bring them down when  
I come some time.

As you surmised would be the  
case, so it has proved in the large  
plant I collected in So. Framingham  
from Mr. C. Cushman. But  
nevertheless I would like one of yours  
for the sake of the locality.

I am hard at work just now  
in preparing a lecture on Dis

Walter Scott - 18th illustrated  
with superb photographic (beam-  
light, views of the castles, always  
scenery of Scotland etc. - in the  
desperate attempt to run some  
thing outside of my profession.

If you know of any chance for  
its introduction into a lecture  
course anywhere, please give it a  
little boost. It will be some-  
thing rather unique in character  
& mode of representation. Ought  
to be "taken". I do not like  
to take up my time in this way, but  
have some special reasons why must  
run a little in some manner.

Kindest regards to Mrs. G.

Very cordially yours  
Thomas Moray.



saying let, though no more up. My  
son He had, however, that night  
advice, was revised, which on Sunday  
was so much interested in it, and  
we had been suffering to be limited  
in its distribution. I therefore was  
glad it has been noticed, it will  
turn up frequently. He also had  
observed, Robinson with nearly ripe  
fruit - says that if he had known  
about the rarity of its fruit, he has  
no doubt he could have obtained  
good fruiting specimens, as it was  
extremely common. I presume it  
will turn up oft in some quarters  
with abundant fruit. I know no  
reason why it should not.

With reference to Mrs. Brown's  
inspiration, nothing would give an

greater pleasure than to secure  
the funds of Natick. I should  
like, however, to see these really  
in July, and again in August,  
in order to see the seeds & later  
flow. The only trouble with  
me is likely to be the expense,  
as I find it rather hard to make  
both ends meet, and am apt to  
be a little too generous in botanical  
matters. If, however, she will  
make it a joint concern, as she  
proposes, and furnish book & name,  
I should be only too happy to  
put in my dodging experience &  
time. If you will hint to her  
(her quick communications will not  
read more than a few hints) some-  
~~thing~~ about the "res augusta domi". I

Copy of a letter sent  
on December 16/1916 to

Astiland, Mass.  
Nov. 27, 1886.

My dear Mr Deane,

Enclosed I return Mrs.  
Allen's letter, if I should  
let it lie around here, with  
my unmethodical habits,  
it might get lost.

I expect I shall be obliged  
to go to Nantucket any way.  
Your friend seems to be so full  
of enthusiasm, that she is  
hard to resist, and I have no  
doubt that a thorough search  
in the Nantucket ponds  
would prove fruitful in interesting

results. It certainly would be a  
delightful piece of work to me,  
as you can well understand.  
If her possibility is fulfilled  
about the invitation as guest  
to some of the good families  
of the Island, it would go  
hard but I would find some  
way of accepting it. I was  
down there year ago, you know -  
before I knew much about  
aquatics - & learned a little  
of the character of the people  
there. I know them to be

warm-hearted, hospitable, & very  
sociable. A stranger feels at  
home with them at once -  
all ~~that~~ would be delightful  
in addition to the botany.

I have written Mrs. Owen,  
and told of the methods of  
search and time of search  
which should be followed, and  
promised to accept her propo-  
sition if possible. Now if you  
would also go down there,  
that would fairly cap the  
climax, & make the thing  
sure. Very cordially  
Thomas Moore.



*C. Oregonensis*. Gray. *C. Brewerii*. Nutt.  
*C. Mortonii*. Prescott.

These are all rare, as I understand it,  
and unless Mr Bailey has supplied you  
with specimens, you will want them.  
They are all from Oregon.

Your saying that Mr Sargent  
is at Cambridge accounts for my not  
hearing from him. I wrote him to  
let some of the above copies of his  
card supply them, & have received  
no answer. He did have a portion  
of the species at our time. I wonder  
if he is there, or this way, for good?  
He was a most excellent, reliable  
& interesting man.

With kind regards to Mrs G.

3  
Very cordially yours  
Thomas Mearns.

Ashtland, Mass. Nov. 30. 1880.

My dear friend

Please tell me what day in the  
Christmas holidays you will be at liberty  
to receive a call from me. I have  
a day's study to make at the Herbarium  
in Cambridge, & also some plants to  
bring you, as well as a fine chest to  
be indelged in, & so if there is any  
day of leisure granted you, I might  
accomplish all the objects in view.

My friend in England with  
whom I exchange boxes very often — &  
one of whose letters I believe I have  
given you — has sent to me few certain  
American plants, all of which I have  
not & probably cannot get, but hope  
to make up a part of them. Will  
you help me get some of them?  
Possibly you have some away you

duplicatus, - as we all accumulate more  
or less in dupliant, - e. g. you see,  
Kear some one who has some of, the

Any species of Ranunculus.

do. of Naius.

do. of Callitriche.

Gentiana detorsa. Gentiana crinita.

Any Sperganium in good fruit

Any of the Shrubs or Trees of W. B.

The sterile flowers of Arachnis Canadensis

Either or all of the following species of  
Carex. (From Bailey's Synopsis in naming)

Carex abopocoides.  
microstachya

rosea  
v. retroflava, Torr.  
C. retroflata, Muhl.

bifida.

rostrata  
v. articulata.  
the form known as  
C. Bungei, Steud.

Burplandii.

C. Caroliniana.

Cherokeeensis.

Cinnamomea.

circinata.

compacta.

grisea v. angustifolia.

dasycarpa.

decidua.

decomposita.

Olliottii.

flacca, Steud.

acutata

Carex Florida.

Franklinii.

glabra.

glaberrima.

Boymianii.

gymnocarpa.

stolonifera.

Hallii.

heterostachya.

hirsutissima.

ultra.

invisca.

viridula.

vulgata, v. juncea.

canadensis, v. polystachya.

laciniata.

do. minima.

Raynoldsii.

luzulaefolia.

luzulina.

arthrostachya.

Mendocinensis.

Pyrenaica.

nigella.

Racana.

Sartorii.

Barbarae.

acuta.

serratoridens.

striata.

subfusca.

Chabmani.

Tolmisi.

C. turgescens.

viridula.

verrucosa.

Whitneyi.

You will naturally say  
"Why don't you send to  
Bailey?" I have  
done so, but he can  
neither name the  
above. I thought  
that perhaps you  
could tell me where  
to pick up one or  
two of them. If  
so, please help me.

I have received a few  
Pacific coast species from  
Mr Henderson, and  
can give you the fol-  
lowing, if you would  
like -

Carex Hendersonii, Bailey  
n. sp.

C. undata, Boott.

C. interrupta, Boeck.

C. frigidula, All.

C. acuta v. prolisa,  
Hornem.

Askland. Mass. Dec. 8. 1885 )

My dear Mr. Beane

Your receipt in due  
course of mail, but have been  
absent from home for several days  
& so have not answered.

The "U.S. shrubs & trees"  
nearly any of the shrubs or  
trees of the United States - So  
it is a pretty wide field that  
my English correspondent would  
call for. I asked you for  
help because I have been gradu-  
ally running out of duplicates  
of common things, and thought  
that some of them might linger  
in your further acquaintance  
with them. I am trying hard  
to make up a good parcel of

Just think of it! I have written  
out over a longer list than what  
I sent you, and written it over  
about 8 lines to U.S. corres-  
pondents. Possibly I may raise  
about 20 specimens of the list.  
I wish we had a good national  
ornithological exchange here, as they  
have in London, and then we could  
find out at once who has the  
things we need.

If the day will not interfere  
with any of your engagements, I  
will come down to Cambridge on  
Monday Dec. 27. Some way off, but  
no harm in setting a date, which  
can easily be changed if necessary.

I have just written to my woman to see if  
she can give me the present address of Mrs  
R. M. Austin, who used to send him plants from  
California. I don't suppose you know anything about  
her, but if you do, please send me a word.

Very cordially yours. Thomas M. Lowrey.

Ashland, Mass. Dec. 22. 1887

My dear friend

Your postal received last evening.

I presume I shall be through my work at the Hub. by 12 or 1 o'clock, and if the letter comes early you find leisure, it will come. I am not at all particular about that.

I shall be very happy to send Mr. Remondy, as among other friends of yours.

My visit is no more than a call on the Hub., as I have a number of things to get you and send to you.

With kindest regards,  
I am, dear friend,  
Yours truly,  
Thos. M. Gray.

Waltham, Mass. Jan. 1. 1857.

My dear Mr. Beane. Allow me first of all to wish you & Mrs. Beane a happy new year, and a happy whole year!

I write particularly to ask you to give me the address in full, of your friend Mr. Kennedy, that pleasant gentleman whom I met at your house the other day. He ought to be gratified at receiving from me any various botanical publications.

Also to ask if it would be possible for you to squeeze out from that Texas collection sheets you have been examining <sup>anything</sup> <sup>of the</sup> very English correspondence? If so, I should like to add it to my pile which I hope to get off by the next Spring if not before.

I don't want to rob you, at all, but any duplicate, or anything you would perhaps throw away might possibly be reserved for that purpose - at least, let me see it before it is thrown away.

- Don't keep the "buggy" ones!

In looking over my Herb. collection of Carniv. I find that of the 289 species enumerated by Bailey, I have 214. Is not this pretty well? Of the 75 sp. which I lack, some 45 are inaccessible for various reasons - 23 being Mexican, 2 Cuban or Panamanian, 10 Arctic & can't probably get now in Bailey's Herb. - So about all I really lack are some 30 species, - which I think for a private collection, making no pretensions to completeness in Carniv., is pretty well.

That *Myriophyllum* from G. Nees: *magnum* I have been examining. It is quite an interesting form. It seems to be a variety of *M. spicatum* however. But I shall get <sup>under</sup> a more thorough study of it. And let you know the result. -

Very cordially yours  
Thomas Mearns.

in England. They are in pairs, but  
I get, as a lot of other things  
are sent. I have been  
just added on, more than to get some  
of my Herb. of J. & Elliott's, which  
I suppose you are obtaining. It comes  
up in Curtis' and fossil of plants  
just issued. I write to Curtis  
for it, & I have a copy & some others  
to send to England, but he can't have  
more. With me Bangs is a Roulet  
or species in their nation which they  
have collected. Why so and there was a  
collected some specimens of them some  
years. They are always in demand  
in our country with a few more.  
Mrs M. wishes kindly to be re-  
membered to your family by me  
and to Mrs. Brown.

Very truly yours  
Thomas Sharkey.

Ashland, Mass. Jan<sup>y</sup> 16. 1887.

My dear friend

I have been looking up that  
Myriophyllum from Lake Umbagog,  
and I presume you would like to  
know the result. It is not M.  
spicatum, but Myriophyllum alterni-  
florum, Walt. When the two are com-  
pared carefully, they are found to be  
quite distinct. This is the first time  
it has been discovered in the U.S. -  
(it was in U.S. - was it ever - or  
Canada?) Please inform Mr  
Sturtevant of his discovery, and  
tell him when he next visits the  
locality to time his visit a little  
later so as to get it in fruit. It  
has been obtained on our continent her-  
etofore no nearer than Greenland,



which is exhibited with it by the  
Western in his Index. It is found  
in Northern Europe, and I have spec-  
imens of it from A. J. Cooper of  
Prussia.

I was in Cambridge today changing  
and verifying my species of *Stamens*  
has by Dr. Gray's best revision, and  
told the Western upon this objection  
phyllum, so that when the specimens  
come from it being got round, it  
will be correctly labelled.  
I had been called as you had, you  
were at home; but had not time  
for the entire day.

Yes, I received the little volume  
which you wanted some or  
Christmas time, and would be  
acknowledged it when at your house,  
but was so filled with other matters

that I neglected it. I am  
much obliged to you for the kind  
remembrance.

I have just received a copy  
of the *Hortus*: Check list of  
Native plants. It is the first thing  
of the sort I have ever seen. You  
will send a copy, as it is so nearly  
a complete list of our U.S. flora  
as is now possible, nearly all the  
specialists knowing contributed to fill  
its pages. I do not possess *Cystis*  
check list, but I don't believe  
that it can compare with *Hortus*  
for fullness & for beauty of type.

I will send you the publica-  
tion you talked of us.

I am afraid that I shall not  
be any more service for my friends

By the way, just where in South America  
showing as "Empire of the Sun" - as some  
sides of the basin is in Colombia?

When you are able to take the 9<sup>th</sup> of  
November by & by I shall write  
a note in Fort. Mag. on this region  
especially, with some other -  
things I wish to publish.

Have not heard from Mrs. Moore  
since last November. Hope her  
friends in Nantucket have got well.

How does everything go in the  
North? I hope you are well!

Yours truly,  
Wm. Brewster

for France in the latter a sort  
of plant & I got several plants -  
I want to, a truly, valuable thing  
to have all my plants, I wish I  
could be sure, I had a number  
I wonder if I could not get it made  
easier by purchasing a gallon or  
two gallons at a time? Is it also  
suitably increasing I have 75 per cent.  
per gallon, do you think?  
In any case, in that business  
it is almost said instead of common  
salt. Is it any better?  
or is too, seems to think that being  
ing is an a official potato in Spain  
which, he would have long ago  
in which to keep plants. I would have  
low up them under they are, under  
and stock like business sales, I think  
to have that note on a piece of time, I  
and I had in the water. - He had a lot  
of new work of the kind - with kind  
and business then. I  
the business then. I

Ashland Mass. 29 Jan<sup>ry</sup> 1857.

My dear Mr. Sears  
I have just had a pleasant  
letter from Prof. Dr. Nees, an-  
thor of *Act. of Canadian Plants*.  
He is much interested in your  
*Syringophora alterniflora*, and  
wishes to know if we could send  
him a scrap of it. How can  
any to spare, in a small piece  
of so, please let me have it, and  
on the strength of it, I will ask  
him to donate you a copy of  
the last no. of his catalogue,  
of which you have the first two.  
I do not like to think of  
any specimen which is



Ashland, Mass. Feb. 11. 1887

My dear Mr Deane

Prof. Deane writes that he has received the specimen of *Hypophyllum alterniflorum*; and has sent you the copy of his catalogue asked for. I hope you have received it by this time.

I have got off some notes to the Publ. of Torrey Club, among which is an account of our friend Chas. D. S. Dickey, of this *Hypophyllum*, which will very probably appear in the next number. Prof. D. proposes to look it up next summer.

I have had a good deal of sympathy for you under the Horseman strike, wondering how you manage it into writing that help to getting into your school. How do you get a  $\frac{1}{2}$ ? Do you begin to consider the 30.

... a vision ... of the ...  
... & situated in ...

I notice in the last no of the ...  
... "Miss ..."  
... was elected a member ...  
... friend in honor struck with that  
... ? But how can she  
... on the ... ?

How is her aquatic beauty ...  
... but going on ? I have  
... from her ...  
... and do not know if  
... still remains ...  
... or not.

With kind regards to Mrs ...

I am very cordially yours.

Thomas ...

Ashland Feb. 17, 1887

My dear Mr. Deane

I return the letter of  
Mrs. Owen. She seems to expect  
no matter what, and if anything  
can be successful, she can.

Do you know in Cambridge  
or Boston any Frenchman who  
could translate also and  
send you a letter which  
I have just written to an Ameri-  
can. I translate in French? My  
French is worse of than back, and  
I hardly like to have it bear  
under the inspection of a learned  
critic at least being grammatical.  
Perhaps some of your friends  
if any of them are capable of  
doing, would read and correct it.

you are . . . . .  
I would like to see  
you . . . . .

I am glad that I ~~to~~  
have been coming to the ~~20~~  
and I am sure that you will  
be thankful that you again  
some . . . . .  
making, with microscope, ~~and~~  
I once did it with ~~and~~  
now, but it does not pay - ~~the~~  
much time, patience & money  
in it . . . . .

Prof. Tribune may be, ~~perhaps~~  
is, right about the ~~transmission~~. I  
know nothing about the ~~family~~.  
With regards to you & Mrs. ~~to~~  
I am very ~~to~~ . . . . .  
Thomas ~~Albion~~



I started with the Naidia, Pandora  
- tried a set anywhere, and was ob-  
liged to wait till I could get them  
anywhere from Europe. I now have the  
means of infallibly deciding whether any  
Naidia plants are new or not.

So I shall advise you, no matter if you  
have not as yet obtained many American  
specimens, ~~as to~~ ~~reference~~ foreign plants if  
they fall in your way.

Prof. Macoun has just sent me all  
his Herb. specimens of Canadian Naidia  
cases for revision. He has got hold of  
a Potamogeton new to our country,  
viz. P. outilus Wolff. It occurs in  
the north of Europe (the continent)  
not uncommonly, but not known here  
before. Quite an interesting find.

I shall hope if I do go to Nantucket  
next summer, that you will arrange to be  
there at the same time.

Very cordially yours  
Thomas Moring.

Ashland, Mass. March 1, 1887  
Mr Walter Dean

My dear friend

Yours of Feb. 27, with  
enclosed specimens, reached me last  
evening. I herewith return them  
upon name as the papers, &  
have also, as follows.

Potamogeton pusillus, B. the one known  
as P. tenuissimus. M + K.

Ceratophyllum demersum, B. (the small-  
er of the two plants with dissected  
leaves.)

Bidens Beckii, Torr. (the larger of  
the two with dissected leaves.)

Chaetalia tomentosa, Bent. (the  
composite plant from Florida)

Nitella flexilis, Ag. (the  
characeous plant)

I found a good French critic

to miss my letter, so that I  
did not need the service of our  
teacher, - thanks all the same.

I am very glad that things  
have resumed their normal  
condition on your horse cars.  
The railroad officials seem to  
have got the best of it, and per-  
haps it will help to prevent strikes  
in future.

I have just had an immense  
box of specimens from my  
English friend, containing a large  
number of English & Continental  
species - many besides Naidaceae.  
As soon as I can sort them out,  
I shall want to give away the du-  
plicates, of which I think there are

quite a large number. I will  
offer them to Br Gray first, and  
if he does not want them, then  
to you or anybody else who will  
have them. There was a time when  
I would take no foreign plants from  
anybody, but now I see their  
very great value for comparison,  
and I give just all I can get into  
my herbarium. I do not stand  
for them, or offer to exchange for  
them, but they come in va-  
rious ways. I find it impossible  
to make out our own N. American  
plants without a collection of for-  
eign species somewhere with which  
to compare, and none of our large  
public Herbaria are complete. When

I had never to me to know  
 it is of interest to get a report  
 of Eastern enterprise, and the  
 addition; and the most  
 to be a good one. I am sure  
 that the editors will see the  
 benefit of an association with  
 the other and the Mass. Sec. and  
 to say's business. Apparently  
 they have nothing to do with  
 the other except publication, and  
 the way always in relation to  
 commercial which has occurred.  
 I should have thought, at least, that  
 being in Washington, it would be  
 to get with the Mass. & the Sec.  
 they might be given the same  
 name, for the purpose of business.

For all that, however, the catalogue  
 has many good points, and I am  
 glad to see it. I had to have the  
 year and it is interesting. Kind regards  
 to your family yours  
 Charles Henry.

Ashland, Mass. Mar. 21. 1857

My dear Mr. Deane  
 How (always) welcome  
 news of the 20th inst. reached  
 me this morning. How glad I  
 have to hear of Mr. Deane. He  
 is indeed "irrepressible" and  
 in a state that, besides, you  
 can say. The word will have  
 oh! don't say that to me -  
 gives so much over the matter  
 as all I ask is a testimonial  
 while on the Island, and the  
 of getting a light boat on the  
 Island water, a small boat, the  
 name in the Treasury of the Nat.  
 use of the Island, unless it  
 is necessary to hire a boat & pay  
 for its transportation. Should  
 be a good end via us back of this  
 to the U., as I would not dare  
 be used for the world - build,

To Mr. Deane, I am glad to hear of the success of the catalogue.



Ashland, Mo., March 30, 1885.

My dear Mr. Beane

Your note of the 27<sup>th</sup> is received  
dearly & thank you for the pamphlet  
lets, for which please accept my  
thanks. I am glad to hear some-  
thing of the Tennessee life as I  
have not been in Texas with  
more than was consulted to.

As I have Sattler's Catalogue  
— well as McCarty's. He  
is a true & simple & genuine  
— at the time of the time.  
In former years I had considerable  
correspondence with him, and several  
exchanges.

Can you give me the exact ad-  
dress of Prof. Tolson in St. Louis?  
I would like to see him some  
time. I will be glad to see you  
some time. I will be glad to see you  
some time.

Dr. Taylor's type plate, which I  
believe was, with all Taylor's  
collaboration, now in Prof. T's official  
charge. That will permit me to  
obtain some larger series of them,  
which I thought might be a very  
valuable contribution in the  
line of their other work of mine in this  
writing.

I have had but one week by  
discovery, aided by the two  
one iron ore or "coal" hole  
used in Mrs. Brown's locality in the  
"Bear Ad Island" - mostly contained  
by myself, and worked partly on the  
part of the same. I hope with  
its help to add something new to  
the catalogue if our project for next year  
is not so full though.

Down up here in the latter part by  
all means. I shall be delighted to see  
you. Stay all night, can't you?

I should like to see you with me for the  
winter, but I don't know, they have much  
to do with me, there is a lot of work as I thought and  
I don't know. My best regards  
Thomas Murray.

ward, and send me the rest  
of the contents of the box.

In arranging my own business  
matters, I have been with  
a partner in a way & will be  
two if you can, as I should  
like company, but only one to  
companion as with birds, not  
hinders. I have told Mrs. A. &  
she fully understands my position,  
but I can do nothing with un-  
trained & unscientific companions.  
I want to be bothered, as I have been  
sometimes, with people who know  
nothing about collecting, and yet are  
always full of advice & directions.  
She says that she will be there and  
put to use! Good for her.  
Kind regards to Mrs. A.  
Very truly yours, Thomas Murray.

Chicago, Nov. 26. 88.

My dear Mr. A.

I hope you had all the  
pleasant time at Chicago that  
you anticipated, and that you  
and Mrs. A. returned in  
safety and good health.

I am in want of a specimen  
of Buteo borealis for a friend,  
but having myself only one to  
give my Herb. Can I have one.  
Have you one, or can you get  
one for me - or failing that,  
tell me where I may possibly  
procure a specimen? If so,  
please do me the favor to let me  
know. - I write to Dr. T. =

learned the loss of some of  
the specimens, & specimens, but  
cannot get them. He says that  
they are mounted and the others  
are unwilling to loan some specimens.  
I suppose they are right, or would  
be so in ordinary cases but as I  
only ask for those <sup>specimens</sup> which I use  
in a specialist, I am not likely to  
be placed in loan hands, and should  
help the Herbar. by operations which  
they had better run some risk to  
take. It is the first time I am  
in return.

I have finally made a arrange-  
ment with Mrs. Brown to take  
charge of the waters in a small  
"near New Old Island"; and am  
of the Herbar. with in coming

to the Herbar. in the afternoon.  
and the Herbar. in a small  
and that. Now I am  
will come on in the next part  
in some of the time, at least I  
shall feel happy, happy.  
in the evening I am standing, I  
want to come here for ~~some~~ <sup>some</sup>  
Tuesday, July 5, and about a week  
I work in the week: there is  
some again about the week  
August, and stay two weeks longer.

Something very recent of course,  
to alter these plans. I want  
like to go down and stay right  
through from June 1 to Sept. 1  
if that were possible, but I have  
no more time at an hour.











Arden. Thurs. evening  
June 16.

Card received. I shall be happy to see  
you Sat. P.M. - (Have a funeral service  
at 1 $\frac{1}{2}$  o'clock that day, but will be through by  
time you arrive) - So come by all  
means.

Have sent a postal also to  
Boyfston Pl. as directed -

T. M.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Deane  
5 Brewster Place  
Cambridge  
Mass,

Ashland Thurs. evening June 16 -  
Card received. Shall be happy to see  
you Saturday. Not trouble me in  
the least. - (Shall have a funeral service at  
1½ that day, but ~~probably~~ throughly  
the time you arrive.)  
Very truly yrs,

I. M.

Have also sent postal to Cambridge.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Deane  
20 Boylston Place  
Boston,  
Mass.



Assisland June 21, 1887

My dear Mr. Deane

I think on the whole that  
you had better write to Mrs  
Starbuck yourself, as I  
wrote her a long letter &  
told her about your wishes,  
asked her to send some -  
look up room for you in  
her neighborhood & -

so that she will fully under-  
stand from you as much  
as though I wrote. I told her  
that you would probably arrive  
here about July 13.

Her address is

Mrs Matthew Starbuck

Wentworth, Mass.,

I should be glad to have your  
pencil go down for chess board or  
table, as the wood these have  
comparisons.

I am glad that you haven't  
realized in owning a horse. I'd  
not notice any difference in your  
pencil, but thought you were  
tired. Now winter vacation is  
coming.

Will go after the boxes which  
you sent to get some if any still  
there.

Want some young *Poppea angustata*:  
this, to see if these birds are a  
stock species, too. Think I shall have  
to run out to Medford, near Neptic  
Park, where I used to find it.

Hurriently but truly yours,  
Thomas Slowing

Ashland, Mass. June 22. 1887

My dear friend

Enclosed please find list of Mrs  
Pringle's California plants. You will  
remember what I told you about them  
& how. There are about 330 in the set, but  
she calls them 300, to allow for common  
plants, and charges \$15.00 for a set, or \$5.  
a hundred, which is extremely low. Herbarium  
is in the list & I judge them to be in really  
circumstances.

Please return the list  
to me when you have looked it over, as I  
wish to send to return. Or, if I'll call  
at your house in Cambridge next Monday mor-  
ning and get it. I purpose coming down on  
that day, by my usual train to Newton (leave  
here at 7:40 a.m.) to make a visit to the  
Herbarium & will probably call between 9 &  
10 o'clock. Sorry you cannot be at home, but  
I should be obliged to forgive that pleasure!

suppose, I have seen the same in the D.C.  
+ in some or I get through there shall start for  
the length in order to go on to the length that  
the first part, wt. the part in some of the other figures  
the first, which you to find the I want to get  
decide. If it may, in some cases if it is also like  
it to the last part. If you want any of the  
you will enjoy your own with me I shall.

do you think that I will be the same last  
when the same or will was pleased to see with  
mine + it is a scrap of it was to be seen! It is  
the first. The first of the same (the first) D.C. the  
last. But to be the first of the entire ground!  
So I could get you some.

Of course you received the letter I wrote  
you about Mrs Starbuck, at Nantucket. If she  
is the wife works and accompanying from Bristol  
by Mrs Owen, you will find no difficulty in  
getting her assistance towards procuring a boarding place  
for yourself & your carrier. I hope it will all  
come out right. — Since my last reports to  
Mrs Owen, she'll let her think for a moment of her being  
on last Tuesday, in my time will be more than fully occu-  
pied with the D.C. + Washington.

Yours truly — Thomas Mowry.

Henry P. Weyland, Professor has  
I am afraid been extremely busy  
and find a copy of it. Packed up  
my notes & packed in boxes, and  
found a fine young plant of P. Weyland  
near the very left threshold - & said  
it is the only station known to me  
in the world!

Let my bench - redoubt & packed  
for Lexington - found a big young  
plant of *Typha latifolia* on the way,  
to my getting badly mixed & kind  
two - three with the same species  
& it - & then after all that,  
reached the depot in Lexington in  
just one hour after I had left the  
same spot! Then had the pleasure  
of walking home through fields in Boston  
to N. & S. depot, finding the house in  
which started the same time I did, & the  
condition of which was very comfortable  
by sitting there in this way 5 minutes!  
The sympathy for me in the streets of  
Boston, I am sure, was extraordinary.

October 27, 1887  
My dear friend,  
After getting home from Boston  
this evening I found your letter in  
the box - & was glad to hear from  
you. The papers on the table in  
front of me, which you had sent  
me, are in my hands, so that you will get all  
the necessary information at first  
hand.  
There was one small matter - little  
from Mrs. Weyland, saying that she  
had been back the day before  
and had to go to the Court Street  
at about the time I had gone  
there.

Well, I want to see you  
in person, & by this time Mrs.  
Weyland would have told you of the  
time we had been looking for Mrs.  
Weyland's child which was then

the children in a beautiful  
and a large one by the lake. The  
weight here, and it says, in such  
a way, as such in my life, and  
the country.

From your place, I can see  
my usual back to the Middle  
of water, I attempted to go there  
the way when the ice was out, I  
was led to find an inlet, but found  
the gate at the time, from a wind  
up. I a second fish, and I am  
that there was no fishing in  
season. So I started up the street  
toward the Observatory, and spent  
passing the way, and did clear round  
the circle to the street, on which the  
modern stand. For there at last,  
however, I had a pleasant visit  
from Mrs. Watson & Mrs. Schuyler.

After being to walk there, and  
of the "the" and, I started my horse  
in the morning, and with my horse  
back, however, I had to walk  
before me for a few miles, to  
find out what the place like I see,  
then, I must be back, at a distance  
from at 4.25 or any way, in the  
watching train on B & O R.R.  
for "Salem". In that hour, at  
typical winter, I had a good one  
of work, I am sure, you. Well,  
to the "Myrtle" view, I have its back,  
in place, collecting beautiful specimens  
of *Typha angustifolia*, which grow  
there in abundance, and in a fine  
field, all the way to Myrtle Point.  
When I went over the B & O  
between to the edge of Myrtle Point  
at the a walk of the locality, for  
Atmos. specimens, U.S. Dept. of Agriculture

You seem to be so exceedingly interested  
in Mr. Jones's papers, that I  
will send you with this week a copy  
of the 1st no. of "Pittsburgh", which  
contains a review of his work  
with the other papers.

By this you will see that he is  
a man of original ideas, albeit  
his ideas are somewhat old. He  
does not hesitate to call to his  
a completely new & interesting  
line of formation.

My own long criticism of "Pittsburgh"  
in one of the columns of  
the "Pittsburgh" number. I would  
be in with one of the papers I  
with Mr. Jones's ideas & and  
the Western led deep were only  
a matter of the matter & it  
would be considerable papers on the  
subject. However, I have a  
good deal of sympathy with him,  
because he is a good student, & I

I would not be surprised if they  
would also be found in the  
...

I could not understand the  
name until his name 'Pittman'  
told I saw in Gage's explanation  
of it in the New York Times  
...

I am in no hurry  
for the paper. Keep them as  
in your hands.

The name has just come  
all to the same in connection  
to as the name 'Pittman'.

...



Ashland July 5. '87

Dear friend,

We have received the 4<sup>th</sup>  
of your money for the boat - and  
as the weather is so hot, however, but  
for Nantucket tomorrow morning,  
with good hope of seeing them at  
5.15 P.M.

One word before leaving. Should  
you had better send me word a day  
or two before you come at what  
time we may expect you & I will  
either be on the wharf myself or  
N. will have some one there to look  
out for you. The boat leaves  
Nantucket at 1.45 P.M. & will  
be in Nantucket later, & arriving  
at N. at 6.15 P.M. There is  
a morning boat but you will

... can buy round trip tickets for  
... I.C. & N. for ...  
... \$4.00 ...  
I hope Mrs Owen will be on  
hand & so we will make up a  
little company of botanists.

I shall rely on your knowledge  
of Nantucket for our location.  
I fear Mr Stone will not be  
there while I am. I am sorry  
as he is probably better acquainted  
with the field than any other  
person.

Please give my kind  
regards to Mrs Stone. Hope you  
are both enjoying yourselves.

Very truly yours  
Thomas Stone

19 inches in length; a white, at  
the other extreme, another only  
measures about 5 inches!

I had been used to an  
outing of several miles every  
day, but on the Monday after  
getting home, I took my collec-  
ting box, and made a trip to  
Washburn Point in Arkland.  
The only thing I found of interest  
was *Sporopodium simplex*, type, in  
abundant quantities, just in a nice state  
for collecting both kinds of flowers.

If you run across the floating  
forms of this species, or *S. viviparum*,  
as given in the Manual,  
don't fail to lay hands upon  
them. So with var.<sup>s</sup> *Nuttallii* &  
*Andrieuxii*. Be on the look  
out when you come near marshes,  
swamps, and bays & barks.  
Regards to Mrs. Deane & Mrs. Churchill.  
Cordially yours  
Thomas Shering.

Arkland, Mass. July 26, 1877  
Dear Mr. Deane  
5 Hours of the 24th just are  
I got home safely on Friday of  
last week, but the water was  
troubled by wind and rain, so  
that the trip across the sound was  
not altogether gentle.  
If you enjoyed your one week  
at Nantucket, I enjoyed my  
two weeks twice as much, and  
only wish that I could have pro-  
longed them into two weeks more.  
I have been so busily occupied  
since getting home with the care  
of my Nantucket collection, &  
some professional duties, that  
I have had no time to look up  
many of the Doubtful or uncertain

forms brought from the Island.

The two days I spent there after you left were packed full of work. The first one we used in a fairly visit to Somerset. On the way, near the bank where we started for Tom Nevers Pond, in a muddy pool by the wayside, I obtained a very interesting *Nitella* - species not known to me - to be submitted to Dr. Allen for determination. I also found *Drosena philippina*, near the same spot, in full bloom, - a state in which I did not know it in very fresh.

On my last day I walked down the whole length of Alice's Pond to the sea shore, & then <sup>crossed</sup> by little Myoxes, (pronounced Myoaks). Great Myoxes.

Healy, Reddock, Rotten Pump =  
Kin (beautiful name!) and

Cato's Ponds - a distance of some 7 or 8 miles. In one or two of them I obtained beautiful specimens of *Reyeria pycnantha*, which might have been either type or var. from described by (except *v. limosa*, as it was not in) - I saw some 12 or 15 nice specimens. Also a *Nitella* from Cato's Pond - probably *N. fragilis*. In one of them some doubtful *Typha latifolia* occurred, but most of the abundant *Typhas* (as mentioned) were, as before, *T. angustifolia*. It is a D. E. D. that *T. angustifolia* constitutes at least 9-10ths of the genus on the Island. One of the specimens from Quaise measures from one end of the pist. spike to the other end of the staminal

Book for the botanist & a big reception  
by the Torrey Bot. Club - & for the Assoc.  
in general an excursion around the harbor  
& to Longwood Island, & talk of botanical  
excursions - & various other matters  
concerning - Of course our botanical  
meetings are going to be Crown Point  
excursions, with so many N.Y., Phila. &  
Washington botanists on board. I wish  
very much that you were a member of the  
Assoc., & were going to the Assoc. I enjoyed  
it so much last year at N. York, that  
I would not miss it for a good deal. Mr  
Roth writes me that he will be unable  
to be present. I regret that very much,  
as he is the President elect of the Torrey Club  
of the Assoc., & I did hope to hear him  
speak.

Hoping to have some more excursions with  
you yet before the season is over - and  
with very kind regards to Mrs. Deane -

I am very cordially yours

Thomas Howell.

Ashland, Aug. 5, 1887

My dear Mr Deane

Your last from Montague rec<sup>d</sup>?  
in due course of mail. I hope the  
thunder and the rain has ceased by  
this time, and that you have had your  
trip - a successful one, I trust - to  
Mt. Toly. Certainly your botanical  
finds in the region are quite interesting.  
I did not know that *Pronus Kalvii*,  
*Nartentium sylvaticum*, *Arenaria cylindrica*  
& *Aralia hirsuta* occurred in Mass.  
at all. I have them, but only from  
stations at a distance, one run as far  
off as Fowen.

That lobate plant we found on Shaker  
Island Pond, Nantucket, is *Clarrubium*,  
as you thought. The *Junonia* found  
near Deane I can only make to be  
*J. acuminata* v. *leptomeris*, but its  
widespreading pericarp, not black,

Shining beds are not alluded to in the  
book. The little one gathered on rocks:  
achia bend (lower end) is the same thing.  
My finds in Characeae at Nantuxet  
beach & on a rock thing. The Chara from  
Corkaty Pond (P. cicutaria, forma leptosperma)  
is, I believe, found nowhere else in the country.

A Nitella which I got the day after you  
left, at a small boat by the roadside near  
Farnet is, by Allen writes me, entirely  
new, and he has dubbed it with the  
name "~~Nitella~~ *Nitella blongzei*"!!! - Now if  
you had only staid a few days more, who  
knows but it might have been "*N. blongzei*"?

And the Nitella which I obtained at Max-  
ey's Pond several days before you came  
by Allen calls a "big find", being as  
new than "*N. batrachosperma*", first  
found in America!"

However, the one named for me must yet  
be sent to Norstedt, the great European  
authority, & the great authority upon Char-

aceae in the world, before it can be pub-  
lished - and he may knock my name  
into "Smithsonian".

I am thinking that Mrs Owen will be  
tickled enough to rush into an Indian  
dance, if it is possible to imagine her doing  
such an undignified thing.

Dr A. wants me to go back to N. and  
get him 50 specimens of each of the above  
Nitellas, & says he will pay half my expen-  
ses if I will. I did collect a lot of the  
first one, as it appeared to me something  
which I had never seen; but of the Maxey  
Pond plant I could not make up, after long  
trial, but one or two wee things, and I  
doubt if I could find any more. Still I  
might; & possibly may try to do so, after  
coming home from N. York. -

I have arranged to attend the meeting of  
the Am. Assoc. for Advanc. of Science, which  
begins Aug. 10 at Columbia College N.Y.  
The local Committee have laid out a  
grand lot of good things for us - among  
others an excursion by steamer to Long



also I made no visit into the  
country. In the afternoon  
of the 9<sup>th</sup> I went down for  
Litchfield's dinner hour, and  
went down the Hill in with an  
Monday. He stayed in my room  
with him in the evening, when I was  
glad to do, & we got on I repeat by  
walking from country air, & drinking  
whiskies with & pleasant water. I  
am all right now.

Mr. Walker is now lecturing at  
Cambridge. He talked with me about  
his European trip as coolly this year  
and he would rather have staid at home.  
He had had a capital time. His year  
now was exceedingly enjoyable. He  
could examine from the beautiful  
bay of A. Frank, & up the wonderful  
& charming Hudson be otherwise?  
The botanists were there in force,  
140 or thereabouts, representing the  
on the annual meeting of the Club.

The first thing I had of interest paper  
read in the Biological Section, and was  
interesting & possible & remarks made in  
the meetings of the Nat. Club.

There were 711 members of the Assoc.  
registered. So you see, we are not  
quite like you. It is especially  
pleasant to work and become acquainted  
with scientific men of America  
you have heard, or with whom you  
have corresponded, and the social  
part of the club & the Assoc. in general  
is a high enjoyment. Besides,  
to me, it was a matter of  
great interest to visit the city of  
New York, which I had not done for









cannot find any fall bearing  
where that.

Of course I am familiar with  
you in the sense that I have  
known very much of you & that I  
have read with the prominent  
flowers in this place. Now  
will you be kind enough to ob-  
tain for me about a dozen  
flowers ~~about~~ <sup>about</sup> ~~spatters~~ with the  
spading & both flowers in water,  
and send them to me by  
mail in the fresh state?

And if the flowering stems are  
in a row <sup>below</sup> of the same form  
the spatters, & whether there  
is a small leafy base like's

them up in a little of the  
in a soft paper wrapped with  
care, & packed them in  
carefully in the box. They will  
keep very well, & you see how  
as I have had many things  
sent me in many ways.

I am glad to have you interest  
in the plants. You will  
find the fruit very interest-  
ing than the flowers. The first lot  
flowers you have drawn out  
in the house and were a little  
resembling the fruit in a kind of  
seed, which finally became a little  
a small ribbed head and drops  
out when ripe.

How soon you will not find  
any fruit water, but in good

What you want from me, is that  
I should be permitted to give you  
as a present the copy of the  
book in my mind, I am willing to  
do so.

Please bring with you when you  
come the articles of New Haven, which  
I loaned you: and if you have a  
copy of *Systema Catalogue of N. Am.*  
plants, please lend it to me a little  
while, as I am not so fortunate as  
to possess a copy.

I have had some very interesting  
correspondence lately with several  
English & Spanish botanists of Chili, I. Maria,  
the name of my brother who resides in Seville,  
and at last I have the prospect of getting  
a lot of S. American plants. Dr. Remy,  
when I met in N. York, just home from a collecting  
trip in S. America, gave me all the names he  
could. How many do you suppose? Just three!!  
Acacias seem to be of no account in the estimation  
of many collectors: yet there is a world of splendid  
material in S. America.  
Yours very truly  
Thomas Moring.

Ashland, Mass. Sept. 7. 1887

Your of the 6<sup>th</sup> reached me this  
morning. The flowers of *Wortera*  
are just what I desired exactly,  
as they are in all stages from  
the stigma bearing to the separated  
pist. flowers or very young fruit.  
I am greatly obliged to you for  
them. It has enabled me to put  
in press the different stages of  
the inflorescence, & this is what  
I particularly wanted.

I shall be at home, so far as  
I know, every day next week,  
except that it is possible I may  
go down to the Bot. Garden one  
of them.

I will give the choice of Wed.,

Monday or Friday, as you please,  
as it suits. You won't get  
any more a train, because if you  
do not come up till the train  
about 12.15 - but  
you had better take that train for  
the convenience of it.

I do not know if you have  
any of that bag you are sending me,  
if the bag of this week  
~~of all~~ is the first  
of each, but if you return this  
week, I should say come up here  
next Monday, as that is of all  
the days of the week the most  
convenient for me, especially the  
one up on Tuesday.

You will have one free to go to the  
Pike Garden on Wednesday or Friday,  
as long as you can visit before me.  
I do not like to have been on

Monday, as I have a great amount  
to do in my shop on the 1st  
of this month, & I shall be as good  
as beside; and on Saturday,  
as I shall be in all my strength  
for my Sunday's work.

So I will be at your disposal  
on Monday, Tuesday, Wednesday or  
Friday, as you may select. There  
will be no charge.

As I should like some part of  
the time sometimes, and also some  
part of the time, if you  
ought to have my duplicate business  
from Newcastle.

I have a new box of things for  
you from the Torrey Club distribution,  
though not so many as I would  
wish.

You must remain our friendly

Ashland Sept. 9. 1887

Card received. Monday will be perfectly convenient for me. Will expect you. Train leaves Boston at 7.15 a.m., reaches So. Framingham. 7.54 & Ashland at 8.04. - not stop at Newton. Take the train just before that wh. leaves Boston at 6.45 a.m., leaves Newton at 7.06, & reaches So. Fram. at 7.43, only 11 minutes before the other. Change at So. Fram. where this train ends. - This if you wish to come via Newton.

Yes I got the bottle of Wortera all right. Thanks. Don't think it necessary to get up so early in the morning on my account, tho' I shall be happy to see you at any time.

Very truly yours

T. M.



Mr Walter Deane

5 Brewster Place

# 5 Brewster Place Cambridge

Mass

Man.

POSTPAID



Ashland, Mass. Sept. 10, 1887

My card of yesterday may have travelled to me., so I write again.

Shall expect you on Monday, Sept. 12. If you come via Boston, take train leaving there at 7.15 a.m., reaching A. at 8.04. This does not stop at Newton. If you come via Newton, take the train which leaves Boston at 6.45 a.m., + Newton at 7.06 a.m., reaching So. Framingham at 7.43, just 11 minutes before the other train. Change cars at So. F. - The last route will probably be most convenient for you, via Newton, but if I do not see you at 8.04, shall expect you at 12.15. Noon train leaves Boston at 11.05 + Newton at 11.26.

T. M.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Deane

5 Brewster Place

Cambridge, Mass.

(Not to be forwarded to York Harbor, Me.)

Ashland, Mass. Sept. 14. 1887

My dear Mr Deane

I think I will not come down to Cambridge this week, as I am engaged today & tomorrow. On Friday next (Sept. 16) I shall take a botanical trip to Hopkinton & Woodville in search of a *Spongium*. I will be 10. *fluitans*. I remember that I have just back through Dr Swan, who found it in this locality two or three years since. Hopkinton is right above on about 3 or 4 miles by rail. Morning train from Boston connects with the first train at Ashland ~~with train~~ for Hopkinton on Milford R.R.

Now if, on reading this, you should be tempted to go, you can come up on your way on Monday, and you will find me all ready to go right on with you to

other. ) You will need, in that case,  
to take a little luncheon with you, as  
we shall be waiting all day. Next  
return in the train which leaves 11.30,  
at 11.15, connects <sup>with</sup> ~~to~~ D. & A. Train  
to 12.15 at 4.41 P.M.

I have no idea that you will feel like  
going, with so much work, & a whole train  
to come at hand; but I thought I would  
give you a chance if you did care to go. It  
will make us different from all  
else that I should expect, as I always  
of your company; & you need not think  
of anything, as it is for nothing,  
& should be of our benefit in that hour  
in my case. If you come, I shall see  
you, if you don't come, I don't see  
you - that is all that is left - so

please don't feel it necessary to write an-  
my letter is principally intended to let  
you know that I shall not come to see  
Judge at present. It is possible that if it  
is a rainy day on Friday, I may see you.  
I wish you, I wish you, I wish you  
My cordial regards  
Thomas Stoney.

can - herself on the stem, & dry them  
in that way. I think this better  
than to keep them close as most  
botanists do. Of *S. simplex*,  
I have a great abundance (except of  
the red-leaved form, v. *fluitans* & v. *c.* =  
*pratensis* germaina) of  
*S. minimum* I want a number of  
good looking specimens. Near Warham  
Road at Salisbury is full of the plant,  
but strangely enough this year not  
a plant has formed blossoms? Two  
or three years since, when I was at the  
house in August, I could have collected  
a bushful in good fruit. *Pterostemon*  
*hulderi*, also, has disappeared from the  
same land, where it was once abundant.

You asked if I possess *Conium maculatum*,  
this week. Well, you are all ready for the  
quinal - in good health & spirits. I wish  
you much joy & success in your work.  
Please give our kind regards to Mrs. Brown.  
Very cordially yours, Thomas Murray.

Ashland, Mass. Sept. 17, 1884

My dear Mr. Brown.

I return the labels signed  
herein. I went on my  
tour, as proposed, to Woodville. I  
had a special object in view, and that  
I accomplished. Went to investigate  
a certain *Spergularium* which grows  
in Whitehall Pond. It was sent to  
me in the Michigan Institute col-  
lection as *S. simplex* v. *fluitans*, and  
I much desired to ascertain whether  
it was that var. or not, & to get  
specimens for my collection. I found  
the plant in great abundance, and  
learned a world of things about it -  
some things in which I was dis-  
appointed, & others in which my  
studies of that genus will be much  
enriched. The plants in Whitehall water



any of those in the case, with his  
written consent & request of my solicitor  
for the honor of England's life (provision  
of the Statute), I do not care to write  
to him directly; and yet I should  
like to have his decisions of these  
two Orders.

I am taking a short trip to the  
Catharine before long, about a day there.  
I want to say words to you, you should  
know what I have in mind, but  
I am a little indisposed to write,  
and if I were to come to you here  
and spend the night, I might possibly  
be able to tell you. No talk can  
fully, without the best fear of any kind  
thing, of your school matters remain on all  
hands, whether I should in the  
last degree hinder you. I shall understand  
the matter perfectly, if you would either come  
or write. I would want some counsel, and  
I am a little indisposed to hinder you in your  
studies, but am totally unwilling to hinder you in your  
will kind regards to Mrs. H.  
I am very truly your  
Thomas Storer

Waltham, Mass. Oct. 5, 1837

My dear Mr. Storer  
Yours received. Thanks  
for the relation of Miss Kings  
condition. Very sorry for you  
and I hope it will soon be  
altered. Her recovery is imper-  
fectly well, but I hope  
it.

Nothing after your request, I  
am writing Mr. Gardner to see  
if he has any boy that would be  
willing to go with him, and I  
shall be happy to show him  
what I take to be Peter's business  
and if you should have any  
thing to say, I shall be  
happy to hear of it. I am  
very truly your  
Thomas Storer





Ashland, Oct. 7, 1887

My dear Mr. Lane

Thank you very much for your kind acquiescence in a visit from me next Monday. I will probably reach your house about 5 or 6 o'clock Monday afternoon. I have some errands in Boston which will probably detain me there all day; and some friends with me to go with them to the Mechanics Fair.

I will take next day, Tuesday, to go over to the Garden. Mr. Houshew came up here on Wednesday and spent two hours. We rambled about over

The fields & woods as far as we could  
go in that time, we obtained a few  
specimens in plenty & hunted after  
2. *Prodracina* but did not find it.  
Although Dr. Gray determined <sup>that</sup> ~~the~~  
one I am not at all positive that  
one from which it is. I have my  
doubts, you shall certainly see  
one. Also H. is a very pleasant  
man. I wish he could have  
staid longer.

Our very respects are as usual,  
most as above stated.

Very truly yours,  
in haste

Thomas Mearns.

most heroic collectors, as there was  
Janke, who are frightened of the  
water! Just so - "frightened of the  
water" indeed! Think of Ruedy's  
going to make Titokoa, & bringing home  
many 3's & 4's!

Mr Bennett, my English friend & corres-  
pondent, complains in the same way  
says that So. America is the only country  
in the world from which he cannot get  
specimens of *Potanogaster*. I know one  
botanist in Buenos Ayres, another in Monte Vid-  
es, another in Rio Janeiro & another in Santi-  
ago, Chili. & although I have had promises  
from three of them, yet I cannot get a spec-  
imen out of them. Dr Allen & Dr. Bourneville  
have sent parcels of some of them, & will expect  
in return! These Spaniards & It. born in S. America  
are a set of imbeciles! Their misera-  
ble & arbitrary governments are a good proof of that, &  
as we should expect nothing better in nat. science.

There, my ill nature has all expressed in  
ink, and now I am ready to shake Spangazzini &  
Don José Arechavala by the hand, & go on a  
botanical expedition up the Parana with them!  
Kind regards to Mrs D. - pleasant remembrance of her hos-  
pitality. W. as ever. Thomas Murray.

Ashtland, Mass. Oct. 25, 1887

My dear Mr Deane

Yours of the 23<sup>rd</sup> inst.  
is at hand. I trust you will  
succeed in interesting Mr Kennedy  
in my project, for I am more  
inclined than ever to undertake  
it the more I think of it; &  
if the means of carrying it out  
are obtainable, I shall try to  
sail by next Spring or Summer.

My Captain & his wife have  
just returned from the Rio de la Plata.  
Had a splendid voyage, I understand.  
I have not yet seen him, but  
expect to do so soon.

Yes, thank you. I received  
a copy of Mr Trinius on *Bisacaea*,  
& the other work on *Fungi*.

"Zosterium 3" which I have back,  
I have not revised.

I have been about as busy as I  
could be with my Typhaeae work.  
I think I have about finished  
my description on *Sporium*, &  
am ready to start on an article  
for the herb; but I have yet to  
deal with *Typha*, in which, how-  
ever, there will not be very much  
work. I had all that in-  
crease area of S. American water  
exploded, and all the *Typhaeae* which  
are in it in my Herbarium, what  
an addition it would make, to be sure!

Perhaps I ought to be thankful that  
I have not; still I cannot help  
thinking what a splendid addition  
it would be! Only think of it, so.

America contains 7 millions of square  
miles and the Amazon & its tribu-  
taries alone drain over two-thirds of this  
vast area! and the Plata, Parana  
& their tributaries one-half of another  
or third! There is no country in the  
world which has a tenth part of the  
water system that S. Am. has. What  
a world of aquatic must be here, &  
scarcely a botanist to gather them in.  
I have been very much amused lately  
by some expressions used in a letter of  
a German botanist. I wrote to Prof.  
Reichenbach of Hamburg, to see if he could  
get a collector also had seen through so  
& Central America to make a donation  
to our Herbaria. In the course of his  
answer he says "I have a long expe-  
rience obtained me, and have always  
found that the aquatic botanists form  
an especial group. There are some of the

P.S. You might say to Mr Kennedy  
that I should be glad to come and  
see him, and explain my plans  
to him, if he feels interest enough to  
hear about them in full. I am  
sure of one thing - if I can have the  
opportunity, I should make a collection  
worth talking about! It would not  
be made up of scraps and ends that  
tantalyze the botanist to look at, -  
like so many others. I have learned  
by my own experience what a botanist  
wants. When I look at the  
specimens sent me by Dr Rusby, actu-  
ally I cannot make out what  
they belong to, let alone the  
species, - they are in such a di-  
apidated condition - nothing but  
"Herbarium hay."

I did not expect to see you, and  
do not know what he would say about  
the matter, or what advice he would give.

Do you know of any man in your  
circle of personal acquaintances whose  
name would be secured, whose attack  
he can.

Not many friends will help, but kinds of  
other sorts will come into one. ~~But~~  
I do not wish to promise I can do this  
for you, that is + that is, in other  
words, the matter being. I suggest - to  
write in July, I am sure of being there  
all day, collecting for. I would be a great

stroke of good luck, - Mying paper - see =  
Hemant - Smith's American botanist, if there  
is any material - and a Spanish grammar  
or dictionary so. - see them with I must

excuse me for inflicting all these  
details upon you; but I know you will  
take an interest in them + in fact.

Henry's will be that he has named I will  
myself + must see all with you. He is 100  
in London. with nearly 5000 \$  
My best regards -  
Thos. H. H. H.

Askland Nov. 5, 1887

My dear Mr Deane

I received your postal by due  
course of mail. I am much obliged for  
your effort to see Mr Kenney. For  
time has seemed to be capricious,  
but perhaps he can be caught when  
he returns, - if you will be so good  
as to keep watch of his movements.

I have now made all the necessary  
inquiries, and find that I can secure  
very many friends. I do not know, in the  
ship "Naham Chapman" to the River Plate  
next July or August, - I should not be  
ready before. I should most probably  
do so, but, of course, it depends mainly  
upon whether I can get the necessary  
funds - cost. I find that I can  
cover the whole cost to reach the



found me off as shortly as I can  
general that Cambridge might rather  
have said, as I could have expected  
to be in cooperation with the Club, but  
as it is the Tom's Club, with not all  
the money & most of the benefit of  
the expedition. The determination of  
all the next plant (if any) will  
come from the Club, & all the expenses  
will, that is, the fullest sets, will be  
in their name. Should my plans be carried  
out, and everything proceeds success, it will  
be a feather in Columbus's cap. And then,  
Hornet, & the Prof. Jordan & the Gray  
Club, ~~with~~ have any struggle as it is.

You will please not speak of these financial  
arrangements to any one unless it be Mr. Bond  
& Mr. Kennedy. They are communicated  
club news, & will not be published. It will  
only be said that I go mainly in the interest  
of the Tom's Club.

Can you do anything towards securing  
me a Spanish Hammer, mallet & dic-

Asiatick Nov 14. 1884

My dear Mr. Sears

Your card was duly rec<sup>d</sup>.

It is now definitely decided that  
I shall take the proposed trip to  
the Rio de la Plata, and if all things  
go well, you may imagine me  
somewhere between 10<sup>th</sup> of June & 1<sup>st</sup>  
of Aug next leaving N. Eng. behind me  
& bound for the equator. I shall  
go under auspices of the Tom's Club,  
Club, & largely in their interest, all  
my first sets of collections going to its  
basic members of that body & its Club.  
They agree to advance me \$800. and  
take the risk. This will not be quite  
enough for my purposes & I shall want  
\$1000. to accomplish my plans. So  
there will be opportunity for Mr



Kennerly, of course. I have to return  
\$200. The matter is by no means  
commercial, as the money value of the  
collections has just been satisfactorily tes-  
ted by my friend Dr. Buckley, of whom  
perhaps I have spoken to you. He made  
a trip last year to Mexico, Central and  
the Andean regions, & made collections  
of the mountain plants. I do not know  
just how many species he collected,  
but he informs me that he has already  
sold \$1500 worth! I was astonished,  
I assure you. I am told by my friends  
of the Torrey Bot. Club who are aiding  
Dr. Buckley in the identification & sale  
of his specimens, that if I bring  
home only  $\frac{1}{3}$  as many as Buckley  
secured they will fetch at least \$1000.  
So you see, they are pretty scarce  
in obtaining  $\frac{1}{2}$  that ~~sum~~ <sup>sum</sup> which

as I expect to have my life insured for  
that protection. All you may expect  
is that if I get anything at all  
I shall make good specimens - specimens  
that one can study with some degree of  
satisfaction. I find that I shall  
have command of two vessels which sail  
directly from Boston, twice a year,  
to the West, the "Nahum Chapin"  
in which I expect to sail, and that  
of my Captain's father, which is  
employed in the same trade. So  
I shall plan to send home my collec-  
tions as fast as they are ready, some  
by each ship. This will give me a  
grand chance, won't it? Won't  
you write you could go? I'd give  
all my "old boots & shoes" & a hundred  
Christians present bodies & have you  
do so.

I am a little sorry that we shall

Treasury? I shall in consequence to  
 learn & speak that language in  
 S. Am., as there are but few Eng-  
 lish speaking people there, and the  
 mostly in the cities. I could  
 get a ~~man~~ <sup>man</sup> ~~and~~ <sup>and</sup> some kind of conversation  
 book, I should like it. I found  
 a "Knapp's Span. Gram." at Guim  
 1. Hottel's in Burton, but they wanted  
 1.50 for it, which I thought was  
 pretty steep; and as I am now  
 on the saving plan, to get ready  
 to pay expenses of my family, I thought  
 I would try elsewhere. Perhaps, however,  
 that is the best I can do. Oh dear!  
 I want so many things! I believe  
 I am not ambitious, & never did  
 want any man's silver & gold, but when  
 I think of the many things I could do

For the advancement of science &  
truth if I only had the means, I  
do long for enough to enable me  
to do what is in my mind. But  
it is a comfort to think that it has  
always been for use, & men  
devoted to means who have done the  
most for the world's welfare. Perhaps  
the very possession of wealth takes away  
the vigor & the desire for usefulness.

Have been studying the Typhas of Gray's  
Herb. & find among them one from "Provincia of  
Menes Cyprus" contributed by Mr Bull. It is  
labelled *T. angustifolia*, L. But, if I am any judge,  
it is not that sp. by any means, but one which  
is probably new, certainly one which I have never  
seen before. I shall have a chance, I hope, to  
collect that for myself next season. Mr Greene's  
so called nov. sp. "*T. bracteata*," from Santa Cruz  
Is. turns out to be *T. Downingianis*, Pers., a  
West India & Mexican species. The Typhas  
are beautiful things to study, there is so much  
that is curious and interesting about them, but  
we are obliged to bear both male & female spikes, young  
and in fruit in order fully to make them out.  
With kind regards to Miss Green, I am  
Very cordially yours  
Thomas Moray

Ashland, Mass. Nov. 19, 1887

Received the books all right. They are  
the things wanted, and I hope to make  
good use of them.

Hadn't the least idea of getting them as a  
gift, but am ever so much obliged notwithstanding  
standing -

F. M.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE



Mr. Walter (deane)  
5 Brewster Place  
Cambridge, Mass.





Ashland, Mass Dec. 12, 1887.

My dear friend — Yours of the 11<sup>th</sup> received. I am not much surprised to hear of Dr Gray's condition, as you know I learned of its beginning, and I know how serious even a slight shock is to a hard brain worker. But I confess that I am astonished and much grieved to hear of the insanity of Dr. Saksdorf. Why, the bono fellow appeared as well as usual the day I was at the garden, & I had quite a chat with him, & named some *Platanus* & *Spargania* at his request — in fact, he had proposed some of his collection for me to bring home with me.

It is indeed very sad to know that Dr Gray will do us more botanical work even if he lives. We shall miss him beyond all account. His knowledge of Pharmacognosy was wonderful, & his skill in defining, distinguishing & describing was something marvellous. The whole country will deplore his loss. I cannot help hoping that he may yet be restored to some degree of life, even if his powers be not as greatly diminished.



I have been working pretty vigorously to my  
Typhaceae list. - most of the first instances  
- Types being. - I hope to have a very  
good collection in both years in the  
autumn. - I am not to be late for the  
meeting in London. - I am off on the 15th.  
I did find, in the "Narbon" paper, (which  
for the State in the last day - No. 10,  
& if you find, will send the date of the  
time in about 40 days.  
I had a letter from the other day, saying  
that the back of the "Narbon" plant collected for  
me by the same hand had been shipped on  
the 10th of the month, to come round the  
Horn, & would probably arrive here about  
the 1st of Spring. - I have also heard from  
Kew, England, saying that they would take  
a set of plants and give £3 a century for  
them - that is £1 a century more than the  
British professors ask. They understand, next  
year, that they will not have common southern  
aquatic plants, of which they have several sets.  
I have had all sorts of propositions about collections in  
So. Am. - am asked to collect diatoms, Sponges, Algae,  
Marine Fungi & insects, as well as Chus & Phanerogams.  
Now I have my hands full if I do it. It  
will require five years to do it, and at any time  
of life I can't spare 5 years for such a purpose.  
I shall expect you here during the Xmas holidays.  
Please notify me what day. With kind regards to  
dear Mrs. M.  
I am very cordially yours  
Thomas Moray.

Ashland: Mass. Dec. 24, 1887

Shall be happy to see you on Monday  
Dec. 26, at noon, or at any time.

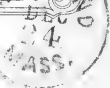
But as you usually come at 12.15, shall  
look for you then.

Compliments of the season.

Yrs truly  
T. W.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.



Mr Walter Deane  
5 Bruster Place  
Cambridge, Mass.

Askeland BOSTON, MASSACHUSETTS, Jan 4 10 1888

My dear Mr Beane

Your various letters, postals &c of late have all been received. I have been trying to look 15 ways at once, & so unable to look towards 5 Bruns. Pl. Can bridge with any thing more than longing.

Enclosed please find the labels which you sent in Dec.

As to *Chara cincta*, *C. cincta*, type is not found on Nantucket at all. *C. cincta*, v. *leptosperma* <sup>A. Braun.</sup> was the plant collected by us in Goskaty Pond. The plant collected by Mr Collins at Sesachacha Pond was the same. You remember we saw none of it in that pond.

I am very much obliged to you for the great pains you have taken to see Mr Kennedy for me. I hope he will give me a liberal lift, for I am quite anxious to do so. Am. up if factually, and men of means must help or I cannot go. I am afraid from all that Rusby

has been writing to me that the trip will cost me much more than I have been calculating upon. What will be the best way for me to approach Mr K. ? He has not written me, and I am a little afraid to broach the matter to him without your kind of invitation, lest I should seem intrusive. I wish I could visit him and hold a conference, so as to put the whole matter in and out, before him. I am a little afraid, also, that he has spent so much recently, "thirst of poverty" might have seized upon him.

I hope your father will give me that letter of which you spoke to Dr Gould. Can you find out for me when I should be most likely to find Dr G. at home, and just where he lives in Cambridge?

I think I shall carry out with me to S.A. as large a parcel of our American plants as I can put up as a sop to the botanists of Arg., Rep., and Uruguay. Can't you do something for me in that line? You know any, or very common, American plants will be regarded as rare out there; and every and all duplicates you may have on hand will

do for this purpose. You need not hurry at all, however, in putting these up, as I shall not need to pack them before April or May.

It must be terribly trying to Dr Gray's immediate friends to sit and look on helplessly while he is slowly dying. Mr Watson, I presume, is unable to do any work in his state of anxiety. I left a packet of Pringle's collection with him the last time ~~which~~ I was at the Garden which he promised to deliver, but have heard nothing from him. I presume he has not looked at it even. And my Sparganic labors are taking all my spare time, so that I cannot go into Pringle's new things. Pringle, poor fellow, feels the loss of Dr Gray's knowledge and help very severely. Greene, too, says he is now precluded from giving any further explanation of his differences with Dr Gray, and must endure what he calls his grievances silently. - Macoun

writes me that he is purchasing the last part of his catalogue along very rapidly, & has reached the middle of the series. He hopes to have it in print by next May. I hope to see it before leaving home, but fear I shall be disappointed. It is a great work.

You tell me nothing farther about Duke's deaf. I hope he is getting better.

Please convey my best wishes to Mrs Deane.

Very truly yours

Thomas Morong.

but I can doubtless borrow of  
the Botanic Garden.

Have received your money  
and the letter in care of  
Tyson's shop & will check  
of that & some other things  
when I see you.

Very truly yours  
Thomas Moray.

Abbeville, Beau. Jan<sup>y</sup> 26. 1888.

My dear Mr. Lane,

I wrote a long letter to  
Mr. Kennedy last week, but  
have received no reply. Could  
I have misdirected it? I  
sent to "Mr. Geo. S. Kennedy,  
Rosedale, Beau.," which  
I supposed to be his address.  
I told him frankly all the  
circumstances, and what money  
I needed. I am afraid he  
was frightened, and hesitates  
to speak his mind. He need  
not be, as I have not been  
over taskful of aid from him  
from the beginning. If he should



refuse to do anything, he has  
a perfect right to do so, and  
should not hesitate a moment  
to speak. Perhaps, however, he  
is away from home & has not  
received my letter.

I write now particularly to  
say that Prof. Woodale wishes  
to see us, and that I have  
just written him to say that  
I will meet him at the  
Botanic Garden next Monday  
morning at 10 o'clock. Unless  
he writes to change the date  
to Wednesday following, I shall  
come down. Now it occurs  
to me that we have a late

train which leaves Boston at  
6.30 P.M., and that by staying  
in Cambridge for that, I may  
see you a little while. Or if that  
is too early for you, I can  
go to Boston & start for home  
at 9 o'clock P.M., - get a car-  
riage to meet me at So. Framing-  
ham. Please say which. He?  
rather, of course, get home by  
the 6.30 train which comes  
clear through, if possible.

I want to meet or could  
very much. Could I not  
do that also on Monday  
afternoon? You have not  
yet told me where to find him.

Wobland, Saturday morning, Jan 28,

Having heard nothing to the contrary from  
Prof. Goodale, I shall expect to come down  
on Monday as proposed. I think you  
had better come and meet me at the  
Bot. Garden, as proposed, and then  
we can walk down to Dr. Eoules as you  
suggest, if equally convenient to you.

Very truly  
yours

T. M.



Mr W. Deane  
5 Brewster Place  
Cambridge, Mass.

Ashtaburg, Mass., June 31, 1888

My dear friend

I must drop you a few lines  
to tell you a bit of good news.  
On reaching home last evening,  
I found in the ~~box~~ a letter  
from Mr. (Sunday), in which,  
after a very kind commendation  
of my plan and my communi-  
cation to him, he promises to  
contribute Two hundred dollars  
to the undertaking! So, you  
see, it has come a generosity,  
after all. Now when I get  
hold of \$200. more - making my  
actual sum in hand \$1200 -  
I shall not say, and not

feel that I am incurring an unreasonable risk.

I think you will be as much pleased with Mr K's contribution as I, since you have had so much to do with the matter.

Mr K. speaks of coming up here to see me when his prices of business has abated a little. I have written to him that perhaps you would come with him on Saturday, if he would give you timely notice. You know that it would give us great pleasure to see you.

Very truly yours,

Thomas Moring.

Wobland, Mass. March 2, 1855.

Mr W. Beane

Dear friend

You had not reached  
me a day or two since. I have de-  
layed answering because I hoped until  
today that I might visit Cambridge  
on Saturday (tomorrow). - I'm waiting  
for specimens of a certain *Nephus*  
(or *Castaneus*, if anybody prefers) from  
Minnesota, which appear to be new,  
& which I wish to compare with  
plants at the Bot. Garden. These  
were promised some time since, and  
I expected to write soon to Mr. East  
to make an appointment with him  
at the same time when I brought  
them. But they have not appeared,  
& so my plans for Saturday have been  
frustrated. I shall, however, write  
to Mr. E. as soon as I get them for

another interview.

I am very glad that you were persuaded to write a biographical sketch of Dr. May. No one is in a position to do it better; & you will well represent the feelings of the younger generation of botanists towards him. - I was very long not to be able to attend the funeral service, but was not feeling quite well at the time. I also thought that the place would be so crowded that my absence would not be at all noticed. I feel the loss just as much as though I had been present.

I am expecting to make a visit to New York a week from next Monday to confer with Dr. Rusby, Dr. Allen & Dr. Britton. Shall stay, however, only a few days. I am expecting to resign my position here next Sunday. Don't know what my people will say to it.

Please give my kindest regards to  
Mrs. May.

Very cordially yours

Thomas Henry.

Essex, Mass., Mar. 12, 1888

My dear Mr Deane

I have read your Art. on  
Dr Gray with much interest,  
and am glad that you were  
able to write it, as it comes  
from a different standpoint  
than that which an Adver-  
sariate would have occupied.

I have now just received  
the Nymphaea material for  
which I have been looking,  
and plan to come down to the  
Garden next Saturday, March  
17. I shall write Dr  
Gould today and make an  
appointment with him for  
1 or 2 o'clock in the afternoon



if that will suit his convenience. May I not see you also?

I am obliged to put off the visit till next Saturday because I am going to N. York & Day & may not be home till next Friday Even - but possibly on Thursday. Should be glad to hear from you on my return.

Things are hurrying along towards my So. Am. tour. I resigned my situation here a week ago yesterday, much to the surprise of my people, the most of whom seem very unwilling to have me go.

But I think it is best for their sake, as well as my own.

Kind regards to Mrs. Deane

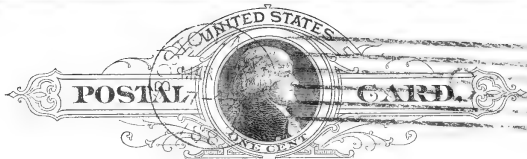
Very cordially yours

Thomas Moray

Boston Sat. Evening  
Left both pairs of eyeglasses  
with you.

Please send by mail,

Yours at the A. B. B. B.  
without glasses, T. M.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Deane  
5 Brewster Place  
Cambridge, Mass

Mar 17  
1888

Ashland, Mass. March  
15, 1888

Was prevented from going to N.Y. by this  
awful storm. Expect to go next Monday.  
Have had a note from Dr Gould, making an  
appointment with me for Saturday 2 P.M.  
Shall be down, D.V. - Be glad to meet  
you if at liberty.

Yrs -

T. M.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.



Mr W. Deane  
5 Brewster Place  
Cambridge  
Mass.

Ashland, Mass., Mar. 16.



Am to meet Dr S. tomorrow (Saturday) at 2 P.M. Shall probably leave the Garden about 1 1/2 to keep the appointment. -

T. M.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr W. Beane  
5 Brewster Place  
Cambridge  
Mass.

my brother supplements special  
directions in a letter just received.

Dr Gould's cutting is not needed  
even if his frigidity could be thawed  
out a little.

To him & other subjects, I have  
you seen the magnificent volume  
of Dr Engelman's works, edited  
by Dr Gray & Prof. Pilbeam, & and  
printed at the expense of Mrs Shaw,  
& the Shaw school founder? If  
not, go down to the Garden and  
take a look. Prof. P. has done me  
the honor of sending me a copy. It  
is superb, and a handsome  
addition to my little Bot. Bibl.  
my. - Things & time are going  
on fast for So. America. The time, how-  
ever, is a little prolonged, & I shall not  
get off as soon as I expected.

With kind regards to Mrs S.  
I am very truly yours. Thomas Moray.

Ashland, Mass., Ap. 14, 1888

My dear Mr Deane

I received your card all  
right, and on the remainder of it  
sat down at once and scribbled  
off my long-delayed, much-prom-  
ised note for Mrs Owen's catalogue  
on the aquatic flora of Nantucket!  
But I fear we much that it  
is too late! altho' she prom-  
ised to keep the place open for  
me to the last moment. In  
my letter I explained to her  
Dr Allen's custom about pub-  
lishing short descriptions of charac-  
ters upon his labels. -  
They are surely peculiarities of form  
not distinctive enough to be called



varieties. It is a bad habit,  
as it adds nothing really to the  
specific or varietal characters, &  
had better be left out.

My trip to ~~Vienna~~ of which  
you speak was uneventful.  
I had pleasant interviews with  
all my friends there, attended  
a meeting of the Tony Club,  
looked over many things in the  
Herbarium, and returned home  
with a "state" which developed  
into a tremendous cold! Of the  
lost honor, I am about weary.

I shall not need our friend  
Dr Gould's letter of introduction  
to our Smith in Puenos Ayres  
who can put me into communi-

cation perhaps, with the botanist  
Prof. Spezzolini? I don't think  
that I need trouble our uncon-  
nivectician astronomer again.  
Prof. Curlier writes me a hand-  
some introduction to the U. S.  
minister at the Court of the Arg.  
Republic, an old friend of his, who  
"will do anything for him".  
And he even takes the pains to  
write to him beforehand about  
my coming, urging him to look  
after me, and help me all  
he can. So much for the dif-  
ference between people. And my  
friend Dr Rusby, gives a long  
detailed account of all the par-  
ticulars about climate, food, clo-  
thing, water habits &c., - to which

Ashland, Mass. Ap. 30, 1888

My dear Mr. Beane. I shall visit the Garden  
next Friday, 5.0. Shall not need to leave Cambridge  
till 8 o.c. P.m., to take train on B. & A.  
R.R. at 9 P.m. Will have time to visit  
you on your return home from Boston,  
if agreeable to you. What do you say?  
Need not put yourself out one particle -  
nor hesitate to say so if engaged.

Please write me word or receipt of this  
note.

Summer is here upon us all of a sudden,  
and vegetation is rushing into development -  
every thing at once. willows, elms, maples, pop-  
lars & skunk cabbage. Black birds, robins,  
blue birds & swallows have all come together,  
full well. Fires (coal) are dropped, winter  
suits put off, carpets up. Spring-cleaning  
begun, farmers half crazy with 20 kinds  
of work needed to be done at once - all  
topsy-turvy in consequence of this sudden  
outburst of warm weather.

Regards to Mrs B. - Very truly yours,  
Thomas Moray

Ashland May 2, 1888

Will come to your house from the  
Garden at 5 o'clock, P.M. Friday  
unless it rains in such a way that  
I shall not <sup>wish to</sup> walk from So. Framingham  
to Ashland, as I propose doing. Expect me  
if the weather is at all favorable.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter K. ...  
5 ...

Ashland, Mass. May 23, 1888

Dear Mr. G. Your card received. I  
will go to Readville, as proposed, in 2.40  
P.M. Prov. R.R. train next Friday.

Can't you come on a later train?

Hope you will, by all means,  
if possible. Much obliged for the  
favor done.

Very cordially

T. M.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr. W. Deane  
5 Bruster Place  
Cambridge, Mass.

Ashland ~~BOSTON~~, MASSACHUSETTS. May 26 1888

My dear Mr Beane

If I remember rightly you said yesterday in the course of the conversation concerning botanical books that you thought you could procure a copy of that work which I was examining at Dr Kennedy's, the large, thick, single volume, translated by Hooker from the French of DeCaisne (I forget the exact title) I think it would be an excellent thing for me to carry with me to South America, and should be glad to procure a copy if one can be found & it is not too costly. May I ask you to see what you can do in the search among the book stores in Boston towards getting

me a copy? I have always felt sorry that I did not purchase the book when I had an opportunity to get it for \$5. or \$6. some years ago.

I thought your suggestion to send all my published papers to Br K. a good one, and have adopted it. Certainly it can do no harm to pay a compliment to him in that way.

I hope your wife returned very safe & sound from N. York & benefited by her little trip. I got home early after a smart walk of  $\frac{3}{4}$  of an hour from So. Framingham. It was a most charming evening for such a walk. The visit to Br K's was a thoroughly delightful one, & I enjoyed it much.

Very cordially yours

Thomas Moray.



me some \$50.00. I find my  
outfit expenses, in spite of all I  
can do, quite large. I never  
did count anybody's property, &  
like Agassiz, have never had time  
to make money, but when I think  
of my S. Am. expedition I do  
wish for 5 minutes that I  
had Aladdin's lamp in hand -  
wouldn't that old "Genie" "shell  
out" a few bags of gold!

Scientists never may derive "money"  
as much as they please, but it's  
nice to have plenty when you  
are going on a trip to So. America!

Please give my kind regards to  
Mrs. Bean. Hope she had a pleasant  
time in N.Y.

Very truly yours

Thomas Moray

Ashland, Mass. June 4, 1888

My dear Mr. Bean

Your postal received.

I did not know, either, that Dr  
B. was going to get me a copy  
of the Botany I desired.

The way it happened was this.  
After asking you to look me up  
a copy, which you have been  
kind enough to do, it occurred  
to me that perhaps Dr B.  
might know of some one who  
had a second hand copy to spare  
which could be obtained at lower  
rates. So I wrote him to that  
effect, at the same time in-  
forming him that you would

see whether there was a copy  
of it for sale anywhere in Bos-  
ton. I was therefore quite  
surprised to receive a note from  
him last Saturday saying that  
he had ordered his bookseller  
in N. Y. to procure one if to  
be had in the city, & another  
postal this morning saying that  
he had dispatched the books to  
me by express. I am sorry  
that you have had all the trouble  
for nothing; but please be assured  
in the meantime that it will  
cost me nothing in this way (I  
suppose) - so I save something  
towards my expedition.

Dr B. writes that he & Mrs

B. start for England in the "Gallia"  
on the 4<sup>th</sup> of July next.

Where will you be left if you  
don't follow suit & go abroad?

I have been hunting after a  
camera with Mr Davenport. I  
went with him on an outing on  
Decorative day, and tried a  
"detection", which proved a  
complete failure. Today I went  
to Boston & we paid a visit  
to the store of Photographers' out-  
fits on Bromfield St. where Mr  
S. Kades, and we picked out  
another camera which he is to  
test. I shall get one, but  
it and the "films" will cost

Ashland, Mass. June 4,

Don't trouble yourself any longer  
about that book. Brit says  
he has sent one. Have not seen  
it, but suppose it all right

T. M.,



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr W. Beane  
5 Brewster Place  
Cambridge  
Mass.

copy. We shall not get off  
before the 2<sup>nd</sup> day of July,  
& it is possible not quite  
then. My "4<sup>th</sup>" may  
be spent in contemplating  
the Gulf Stream, as Whittier  
will be in hauling out of  
N.Y. harbor. He will be  
on the water, if all goes well,  
about 10 or 12 days, & I  
go or go - think of that, &  
don't long to go to So. America  
by sailing vessel, especially if  
you are given to sea sickness.

With very kind regards to  
Mrs Beane

I am very truly yours  
Thomas Moray

Ashland, Mass. June 15  
1888

My dear Mr Beane  
Oh yes. I sent my  
articles to New Kennedy  
long ago, at the time I  
told you of it, & have  
received acknowledgements  
of the same from him in  
a very kind letter.

You will like to know  
that I am at last settled  
on a ship en-route to  
So. America. The good Barque  
"Voice of Ray". Capt. Ray, will  
sail from Boston on or about  
the 1<sup>st</sup> of July next direct

to Buenos Ayres, which  
best she expects to make  
in 60 or 70 days. Goodness!  
what shall I do with my-  
self all that time on board  
ship! No plants in the sea  
to collect, & the ship could  
not hold all the books I  
could read in that time!

Well, I shall study Spanish,  
of course, & read up in botany,  
and write a diary (that is the  
thing which all voyagers resolve  
upon to do, & seldom do  
it) & what else! To suggest  
something out of the abundance  
of your inventive power. Now

if I could only crochet, or  
do "tatting", or braid straw,  
or knit, or do a dozen other  
hundred things which ladies  
find to do. I should be  
well off, but alas! my  
active resources are soon  
exhausted.

I suppose you will be  
all through your school  
examinations by that time,  
and rejoicing "like a strong  
man to run a race" in  
your summer liberty. Of  
course, you will wish to  
visit the "Eric J. Ray" with  
me & take a peep at the  
quarters which I am to oc-

where to find Prof. Goodale?  
as long ago as last February, he  
offered voluntarily to give me a let-  
ter of introduction to a friend in  
B. Agnes, which he said would be  
of great service to me; & asked me  
to let him & write to him in re-  
sponse to get it before I left. I  
wrote to him last week, address-  
ing Botanic Garden, but have  
had no answer. Is he in town?

Several of my letters have mis-  
carried lately (there is some-  
thing "out of gear", a piece  
written, in the P.O. arrangements  
of this "Reform" administration)  
& I have feared that this one  
may have done so. I want  
that letter much.

Regards to Mrs. G.,  
Very truly yours,  
Thomas Moray

Ashland, Mass., June 21, 1888

My dear friend

Yours of the 18<sup>th</sup> reached  
me in due season.

I went to Boston yesterday  
& bent up my ship, and found  
after travelling up & down Myrtle  
wharf, that she had not yet  
gone into her loading berth,  
but will haul up there today.

She will therefore commence  
to take in her cargo today.  
They all told me at the  
owner's (or charterer's) office  
that she cannot get in her load  
under three weeks, but I did  
not see the captain, & so do  
not know that fact authentically.  
However, when she goes, I shall

go in her (D.V.) + hope  
she will be off as soon as  
possible, for I am growing  
tired of this waiting and  
preparing.

If you would like to go  
with me on Tuesday PM, June  
26, I should be glad of your  
company. That is one of the  
dates you give me. Tell me  
at what hour of the PM, and  
where in Boston you would meet  
me, + we will go down to the  
wharf together. Better meet me  
at Scollay sq. monument, if  
you can, + as early as 2 o'clock  
PM. (earlier, if you wish)  
Or you may meet me at  
Mr Davenport's on Hamilton

Place, if convenient. The  
wharf is on Chelsea Bridge, <sup>some</sup>  
way off, + we shall need time.

Why yes, of course I  
read novels - that is, good  
ones - anything, for instance,  
as good as those of Read or  
Wilkie Collins, - but I don't  
spend much time that way  
except in vacation.

I should think, after your  
year's grind, you would long  
to see the last of the school  
desks, + be off into the woods.

Bailey is in clover. I don't  
see but that a large part of  
the year is vacation with  
him.

By the way, do you see or know



of plants, much less look  
at one - so full of  
work of all kinds. Won't  
I be wild to get among the  
growths of S. America after  
being cooped up in a ship  
for 60 days!

Hope I shall see you  
before going. Shall try to  
run down to the Garden once  
or twice, if possible, when  
I get over my packing etc.  
Please remember me kindly  
to Mrs Deane.

When will you be in Cambridge  
during the next two weeks?

Very cordially  
Thomas Murray

Ashland, Mass. July 4, 1888  
My dear friend

Herewith I return list of  
Harper's books. I have <sup>marked</sup>  
about 50 of them, any of  
which will do for sea  
reading, especially those of  
Russell, Collins, Read and  
Ellis Hay. I think that  
I have read none of those  
marked. Don't feel obliged  
to get any of them, or any  
more of them than you  
choose. I mean this - &  
shall be perfectly satisfied if you  
give me none at all.

I have received the letter  
from Prof. Goodale, & that

is all right. Am sorry  
to have troubled him so  
much.

I have dropped a line to Prof.  
Macoun, of Ottawa, to send me  
his catalogue when out, and  
also a copy to you. Told him  
that we would both of us be  
willing to pay for it if we  
knew the cost. Probably it will  
come along after awhile.

Do you see Prof. Coulter at  
the Garden? Had from him  
the other day a return letter  
from Mr. Hanna, U. S. Minister  
at the Court of the Arg. Republic,  
in which he speaks of my coming,  
and cordially invites me to the  
Legation, + promises all the  
help he can give. That is very

pleasant. I have every pros-  
pect of good fortune + success  
out there.

If the vessel ever gets off! -  
I want much to be under-  
weigh, as I am getting  
tired of hanging around here  
in a state of suspense.

Dr Britton starts today,  
I suppose. It is a grand  
day for going down N. York  
harbor, a fine augury of  
a pleasant voyage.

I presume that you are  
fairly welling in your freedom  
from the grind of the school.  
Have you been out after plants  
yet? I can't even think

of you if & tells Beane if you  
can make it convenient to be  
there

say, will to see Prof. Butler,

"Rose" is a new name to me.  
Have you seen Tolson's "Gerard  
miscellaneous"? It is got up quite  
handsomely by the Nat. Hist. Soc.

Had a letter from Britton <sup>after</sup>  
he had gone on board the Gallic,  
He said that there was a great  
crowd around the pier, but a  
mist clearning day (as it was) for  
going out to sea. He'd be in  
England before I start. Mrs B.  
will have a "splendid time" in  
roaming our Scotland.

Hope you are greatly enjoying the  
"green fields of Peterboro." With kind  
wishes to Mrs B.

Farewell - most cordially  
T. M.

Ashtland, Mass. July 10. 88

My dear Mr Beane

Your cards are several  
parcels of Harpers' publica-  
tions have come to hand.  
I am greatly obliged for  
the means of driving off  
errands upon my ocean  
trip. I suppose there'll  
be plenty of that in spite  
of all precautions. I have  
left myself various kinds of  
literary work to do as well  
as that of reading. But  
I have no doubt that time  
will often hang heavy during  
the 60 or 70 days which will  
elapse before I see the shores

of the Argentine.

I was at the ship yesterday to see what progress in loading she is making. The mate told me that the lower hold was not yet full, and that it would take at least 12 or 15 days more to get in her cargo. She will carry me to July 21-24 before the vessel leaves.

I shall therefore have time in which to see you after your return on the 16<sup>th</sup>. In fact, I am hoping to visit the Garden several times that week. I was plan for Tuesday 17<sup>th</sup> or Wed. 18<sup>th</sup>, maybe be a few other days.

I am all ready myself, & only await the moment of

the ship.

We are trying, now to make arrangements so that a party of my friends can accompany me down the harbor when the vessel is hauled out into the stream. She will be towed down by a steam tug at high water, and the party will return in the tug. I have been down that way & know that it is quite an easy thing to do, and that it is very pleasant for all the parties concerned.

If we sail anywhere from the 21<sup>st</sup> to the 25<sup>th</sup> of July the tide will run just right, or carrying in the middle of the day. It certainly would afford me great pleasure to have the company

As usual. May 18, 18

The <sup>4</sup> our letter from Palermo on Monday  
lost. Shall not be able to visit the Gardens.  
I've a cor. <sup>to</sup> be looking to see, & will probably  
sail on Friday or Saturday morning. Will hand  
out of the dock at high tide if <sup>Friday</sup> at 4 o'clock  
of Saturday at 10 o'clock. Will telegraph  
you, if possible just when I shall visit  
Kew - <sup>perhaps</sup> till the day before, when the  
Capt. will be here. Am all busy  
with morning

Very cordially -  
P. M.



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Mr Walter Beane  
5 Bruster Place  
Cambridge, Mass.

Boston, July 20, 1854

My dear Mr Deane

The line of May will  
leave Mystic wharf on Mon-  
day next about 11 o'clock A.M.

— So come over about 10  
if you can, & see us off.

I am sorry that I could  
not come out to Cambridge,  
as I had hoped to do, but  
I had too much to do in  
the way of packing up trunks.  
The vessel has been long de-  
layed by various hindrances,  
but I trust that we shall  
make up for it in a speedy  
voyage after getting out to  
sea.

It is not a very clean place,  
that Mystic wharf, for ladies,  
but I think some of my  
lady friends from Ashland  
will try to get on board,  
& of course, I must be

delighted to see Mrs Beane  
if convenient & please an-  
swer her to come. None of  
the ladies will probably venture  
to go out into the stream, be-  
cause it is a little difficult  
to get down into the tug, but  
gentlemen can do it easily  
enough, & probably all  
who come will like to  
see me fairly on the blue  
water.

With kind regards to Mrs  
A., I am  
Very truly yours  
Thomas Moray



our famed country, the people don't know what hurry means. It is all "mañana" (tomorrow) with them. They rise at 8 o'c. - take "café", a slight lunch, + then breakfast at 10 or 11 o'c. - + dinner at 6 or 7 P.M. - so that by ev'ng so hard there is so little of the day for business, that you cannot see but one man per day. As I have at least 4 or 5 new persons to see before I can get off - also to get my goods all ready, - it will be yet quite a while before I can get off.

I will write to you again when I get away. In the mean time do write to me as often as you can conveniently, as letters here to one so far from home are golden. Ad- dress care of Hon. B. W. Hanna United States Minister. He will forward them if necessary. With regards for Mrs. M. I am most cordially yours  
Thomas Morong

Buenos Ayres, Argentine Republic,  
S. America, Oct. 10, 1888

My dear Mr Deane,

The letter just like your- self, + pleasantly reminding me of old times, which you wrote Aug. 25 has just reached me on my arrival here. He had a long passage (long one, but not called long by ship masters) of 70 days. He left Boston July 30 on Monday, + arrived here on Monday just 10 weeks afterwards. The voyage was most delightful. We did not experience a single gale of wind, + only once, for the space of two days, had what might be called a serious blow + heavy seas. The weather for most of the passage was superb, clear days + nights, balmy air + soft breezes. But after reaching 30° S. latitude it became raw cloudy + chilly, for all the wind

like our N. England East wind weather  
of spring, always exceedingly dis-  
agreeable to me. It is so here, &  
what is worse the people have  
no fire in their houses; in fact,  
have no stoves in which to build  
fires, having no idea seemingly that  
a fire is ever needed. And yet the  
mercury of the falls as low as  $50^{\circ}$ ,  
& sometimes below  $40^{\circ}$ . I am  
sitting now with my winter over-  
coat on as I write this letter, in  
a house which has not a single stone  
in it except the kitchen stove, &  
no means of heating it.

I mean to get away from Bayam,  
as soon as I can make arrange-  
ments to do so, & go up the river  
into a warmer climate. I am  
obliged, however, to get my traps  
thru' the custom house, & all  
things arranged for my Expe-  
dition; & also to see the scien-

tific men here & get their coop-  
eration. This I hope to do in time,  
so far I have not been able to  
get outside of the city limits so as  
to discover what their reputation is  
on the outside. I find palms and  
other tropical plants growing in the  
public gardens in the city, and  
some acacias in full blossom -  
the walrus & tree cactuses also,  
the willows in flower.

It is a grand, quaint city of  
350,000 people - all Spanish in  
look, in speech & customs.  
I learned some Spanish in the books  
which you kindly <sup>on my way here</sup> gave me, but  
the rapid "jabber" of the people  
in talking it quite throws it all  
out of my mind. I shall get  
it in time, however, I hope.

My plans are as yet unsettled  
as to future movements. I can't  
hurry here; I find, as we can in

Many of them, however, are so succulent that I despair of any getting dry specimens. Some I have had in press for 6 weeks, and they are not dry yet. Indeed, a good many disarticulate in a day or two, and it is impossible to get them except in fragments. That is one of the strange things about this flora. However, the greater part behaves very well, and I shall send home a fine collection. My hope is that no disaster will befall them. If I live and have equal success to that which has already attended my efforts, I shall soon get 500 species. Many of them, I presume, will prove to be new.

I wrote an article for the Bulletin before leaving B. Aires, which, if received, ought to have been published long since. If published, you will have read it, & that will give you some idea of the vegetation in that region. I am now writing an Art. for the Bot. Gazette, which will give you a small idea of

Asuncion, Paraguay, Dec. 28, 1888  
My dear friend

I have received both the letters which you have written me, the last, of date Sept. 28, only within a few days. Be assured that I heartily appreciate the kindness which prompted you to write. A letter to me here is indeed of the deepest interest, as I am a stranger among a strange people, and care very little about their concerns, I speak the language with difficulty, and, of course, have little or no social intercourse with them. — I hope you received the letter I wrote you from Buenos Ayres in answer to yours which was awaiting me when I arrived there. I am afraid that no dependence whatever is to be put upon the safety of any letter going from or coming to this country, and most certainly if they are transmitted at all, one has to wait almost forever

before receiving his mail  
I told you in that letter what a delight-  
ful passage we had from Boston to B. Aires -  
not a storm the whole way. I found  
that in order to accomplish my work, it  
would be best for me to come to Asuncion,  
and so I came about the middle of  
Oct. or first of November, and have  
been ever since most diligently col-  
lecting the rich and varied flora of  
this tropical country. I have already  
collected some 350 species of plants,  
the most of which are entirely new  
to me, and many of them belong to  
Orders of which we see none in the  
States. I have only Hooker's Glass  
Book and the work of Maout & Se-  
caisne with me, and therefore little means  
of determining the plants. I expect that  
Dr Britton will identify what is  
known and name what is new for me.  
I am nearly ready to send a box  
to him; in fact, I have enough to fill  
a large box, say some 2500 specimens,

& shall dispatch it as soon as I can  
fit it in order. Of course, I met in  
the wonderfully rich flora which I find  
here. On every side are rare & strange  
plants. When I go out on a tramp, I  
often get as many as 25 species which  
I never saw before - palms, acacias,  
yuccas, begonias, ferns, Melastomaceae,  
Asclepiadaceae, Compositae (some of  
them of the most curious structure, such  
as I never dreamt of) &c. &c. Magnifi-  
cent climbers on the trees, and strange  
things in the <sup>low grounds</sup> waters. The water vegeta-  
tion disappoints me, not a Potamogeton  
or Naiad or Chara to be found.

But I have seen & collected the Vic-  
toria Regia, and that makes up in a  
measure for my disappointment. A Prot-  
ocedria & a Sagittaria (S. Montevideoensis)  
A Salvinia, & a few Uliaceous things  
unknown to me, are all I have obtained  
from the water. The land vegetation is  
"just splendid" as the school girls say.

some one of the innumerable pit-falls,  
or holes which abound, or off the edge of  
the sidewalks which are often three feet  
high & so narrow that only one man <sup>at a time</sup> can  
walk along them, or else over a pile of  
bricks left all over the way with no  
lantern at night to show you where they  
are. When it rains here, it does rain, &  
I can't tell you - such a down-pour as we  
 seldom see, and a regular river runs  
through the street. Nobody goes out, schools  
close, stores shut up, when it rains, and  
all stay at home. In fact they are sensi-  
ble. So far, I have seen dry weather most  
of the time. It rains about as often as it  
does in England in the summer time,  
but they do have occasionally a heavy-  
dew thunder storm, & such a down-pour  
as I have spoken of.

I had a letter from Bailey the other day,  
he was at Oxford Eng. when he wrote, & was  
just on the wing for Norway when he wrote -  
said he should return home in Dec., as I  
suppose he is at home now. Have heard from Dr  
Kirtland of once. He was in England when he  
wrote, & I know, not if he has returned to the  
U.S., but suppose he has. If taking from 40  
to 50 days for a letter to reach me from home  
so it is not strange that I have not heard. Don't  
fail to write me. A letter from home here is pre-  
cious indeed. It will be of no use (I mean news-  
papers, as I have got none) but probably they would  
not reach me if sent. My kind regards to Mrs.  
Wahm & Miss Inwale - with very best commen-  
dations to Mr. Deane -  
Yours most affectionately - Thomas Murray.

2  
the Paraguayan flora. if it ever gets into  
print. The climate is pretty warm here at  
this season of the year, the mercury standing  
at 84° to 90° in the shade, but you  
know that I like hot weather, so that  
does not trouble me. In fact, I enjoy it,  
and take it as kindly as do the natives.  
I take good care, however, not to get  
caught in the hot sun out of doors  
between 11 o.c. and 3 o.c. if I can  
help it, for the sun at 115° is a  
little too much for flesh & blood. I  
do get caught occasionally when I  
am on a botanical tramp, and I  
assume you that I come home as wet  
with perspiration as if I had fallen  
into the river. The people here all take  
their siesta in those hours and do no  
work at all. Business hours are from  
5 am. to 11, and from 2 to 5. They  
are wise in that matter, & I have a-  
dopted their wisdom, and make my

Botanical tours at 5 am. The nights  
+ mornings, are always cool, so that  
no matter how hot the day has been,  
you can sleep well at night. My  
health has been firstrate ever since I  
stepped on South American soil, + I  
have not had to take a drop of medicine  
once. I hope to be as vigorous all through  
as I am now. The people here + the  
modes of living, I don't like, and again  
+ again I sigh for a room without ants,  
flies + mosquitoes, and a good piece of  
beef steak + a full cup of properly made  
coffee - and some genuine American  
bread, - it's all sour here. Oh, if I could  
only get a slice of Boston brown bread +  
a plate of baked beans, I would willingly  
give a dollar for them. Milk is scarce, +  
butter is an algebraic x. I have to do  
without both. Paraguay produces the best  
coffee in the world, but they boil it till  
it is black and strong enough almost for  
a spoon to stand up in, and then serve it  
out in cups that hold about two table  
spoons full, putting almost as much sugar  
in as coffee. If ever I reach Boston  
alive, the first thing I shall call for  
is a slice of butter bread, then a  
glass of milk with ice in it, then a

jolly piece of beef steak with fried potatoes,  
+ to round off, a plate of baked beans -  
yes, indeed, I shall. Here at a hotel or  
restaurant, I get only Macaroni soup, which  
I detest, steamed brains, salted tongue, "gallina"  
which ought to mean "spring chicken", but  
which in the eating proves to be "old wattle",  
and half a dozen dishes the names of which  
I don't know, - all pretty well cooked  
but insipid to my taste - with a bottle  
of sour wine, which is worse than all  
the rest, and, to finish with, such a  
cup of coffee as I have described. So I  
do not get much satisfaction out of Par-  
aguayan cooking, tho' the climate and  
the flora are charming. Asuncion is  
a queer old place. I wish Boston people  
could only walk once over its sidewalks,  
they would never complain again of their  
street superintendent. Such a "ranchock-  
le", dilapidated state of things they never  
even imagined. I expect my day to  
get my neck broken by falling into

My present address is  
" Dr Thomas Morong  
at cuidado del Sr. C. R. Saquier,  
Vice Consul de los Estados Unidos.  
Asuncion, Paraguay  
South America "

I am "Dr" in virtue of my degree of Ph.D.  
& prefer that title while in South  
America

Here I have pulled out my little  
pocket pen knife to scratch that word,  
and as I look at it, it reminds me  
of our parting at Myrtle wharf, for it  
is the one you gave me then, - and a  
"handy" little thing it proves to be,

**USHER & FEATHERSTON**  
AGENTS TO THE  
**PARAGUAY LAND COMPANY**  
ASUNCION  
P. O. BOX 63.

Asuncion

November 1.<sup>st</sup> 1888

M.

*We have the honor to inform you that we have established in this city, a commercial house which will conduct business under the social firm of.*

**USHER & FEATHERSTON**

*and will follow business as COMMISSION AGENTS & CONSIGNMENTS IN GENERAL, especially in the sale and purchase of Lands, in which we can afford great facilities.*

*Having the necessary capital and the practice acquired in the discharge of various posts in commercial pursuits for many years in this country, we hope to be able to effect any orders with which you may honour us.*

*Begging you to take note of the signatures expressed below, we offer ourselves*

*Your most obedient servants*

*Usher & Featherston*  
Mr. George R. Usher Signs *Usher & Featherston*

Mr. C. T. M. Featherston Signs *Usher & Featherston*





complete & undisputed possession of their trade of this whole  
region. Why, nothing whatever is made here except the most  
menial household furniture. The ten thousand objects for per-  
sonal & domestic use which are made & sold so low in our  
country are all imported, & most of them are very inferior  
articles at that. Such a pair of shoes, for instance, as I obtained  
at a shoe factory in Ashland & bought with me, which I bought  
for \$2.00 <sup>of Howard</sup> an American cobbler here, & he said that a pair of  
such of that cut was not to be found in all Paraguay, and that  
what was worn here was invariably inferior to them, and cost  
\$8.00 at that - that is about \$6.00 of our money. It is so with  
almost anything else. I wish it were possible to make our

home manufacturers understand what splendid chances for a  
profitable trade in this country they are absolutely throwing  
away. Perhaps you can do nothing to advance such

a project, but you must know some one who has influence  
in this direction, & can tell him what I say.

Is it possible that all of my letters to you but one  
have miscarried? I don't judge so from what you write.  
Well, I am glad that you have not grown discouraged and  
ceased writing. I came up here about the first of Nov.

last, & have been busily at work collecting plants and prepar-  
ing them to send home. I have just now put up my fourth

box, and expect all four to leave here on the 15<sup>th</sup> of this  
month for Buenos Aires. The agent of the Smithsonian there  
will at once ship them for the U.S., and if all goes well,

Dr Britton should receive them by the first of June. They  
foot up, as I reckon it, some 575 good species and over  
5000 specimens. There are 25 species of ferns, about 40 of  
the Cyperaceae, & about 60 of the Gramineae. They are  
all first-rate specimens now, & these will remain so till  
they reach the hands of Dr Britton. You can see from this

Please tell Prof. Bailey when you write  
him that I received his letter written at  
Oxford England, & that I have found an  
edible Physalis here, the seeds of which  
I sent to him by this mail. I have  
found only one case in Paraguay, I am  
sorry to say. I thought I had two, but  
one may prove to be a Scleria. The genus  
is very poorly represented in Paraguay. I  
shall kindly request to send him the case,  
which seems to be of the *C. rosea* kind, or  
perhaps *C. stellulata* type. I may find  
more hereafter in other parts of the country.

that I have not been idle. It<sup>2</sup> is an immense piece of work to gather  
and dry 5000 plants, as you very well know. I have tramped about  
a good deal in order to collect. I have recently been on a trip  
of 150 miles into the interior of the country, & bagged some 150  
entirely new (to me) things. Among them was quite a number  
of epiphytes, some of them very beautiful. The trees in the "man-  
ti" (washed hills) were literally covered with these growths. If  
I had had more time & especially more <sup>of</sup> sun, & less rain, I  
could probably have obtained twice as many of these curious  
plants. As it was, I brought back about a dozen <sup>specimens</sup> of them.

It is very difficult, however, to travel here, & still more diffi-  
cult to transport the necessary paper & have hands for collecting.

50 miles of the way was over the only railroad of which Per-  
aguay can boast - & such a road! - for the train goes  
8 miles an hour, & is in constant danger of running off  
the track at that - one train a day only. The rest of the  
way to my place of destination I walked, hiring a man to  
carry my packages on his back. Of course, I collected right  
& left, till my pockets could hold no more; & then we had  
to stop at all sorts of out-of-the-way places, such as "boliches"  
little drinking houses, fondas, "Paraguayan palaces" as one  
of my companions called them - that is sheds open on both  
sides & thatched with straw, one room & bare ground for a  
floor. The difficulty of transferring the plants to old pieces  
of newspaper (for I could carry nothing else), in the wind,  
& sometimes in the rain, & then in changing the place  
& drying the drier, you can thoroughly realize. Fortunately  
on our way out it was nearly all dry weather, & we succeeded

but one or two showers. When we reached Villa Rica, our farthest point, the weather changed, & we had thunder storms after thunder storms: & a thunder storm here is particularly awful. Claps of thunder that seem to shake the very earth, bolts of lightning that split into a thousand ramifications, and torrents of rain that flood the earth in a few moments. I hired a "carriete" to return us to the R.R. station, that is a two-wheeled covered cart, drawn by 6 oxen. We travelled in style. I can assure you, going about 6 miles a day - over such roads as never entered into my imagination until I went over them. In this wagon we were safe against the pelting rain, & all my traps were kept quite dry. I could walk when I pleased & collect whatever grew on the road side. Our plan was to start at 5 o'clock. Amm. travel till 11 o'clock. (That is, when it did not rain, no carriers will carry you in the rain) - take the regular Paraguayan siesta till 3 o'clock. Amm. - then two hours more of travel, when we camped for the night. A hammock strung across the cart, with a big hide pad behind & another in front of the wagon made a very comfortable means of sleeping. The roads - ah! they are utterly insupportable! Nothing but a Paraguayan carriete, with wheels nearly 10 feet in diameter, & drawn by 6 or 8 oxen, made as strong as lignum vitae can make them, could ever survive such a journey. We had to ford a number of rivers, go thro' sloughs, grind over big rocks & hillsides that made the cart rock to & fro like a ship in a storm at sea. But I enjoyed it amazingly notwithstanding fatigue and danger, & arrived at Amm. in 6 or 7 days in good health & spirits, the greater part of my specimens in fair condition. The rain, of course, spoiled some, but on the whole it paid well. - I must say Good bye. My kind regards to Mrs. S., your father & mother, & all others that I know in Cambridge. Very cordially yours, Thomas Moberg.



cover. I am hard at work on my plant collection, and have collected some 6 or 700 species of plants, + about 6000 specimens. On the 15 of March I sent 4 boxes of plants, through the Smithsonian, to Dr Britton, containing some 575 species + over 5000 specimens. I have received word since from Buenos Aires that the agent of the Smithsonian has received them in good order, and will reship them to the U.S. as soon as possible. I hope that Dr Britton will be looking them over by the first of June.

I have travelled considerably over the country here. Among other expeditions have gone, half way on foot, about 150 miles into the interior of the country, and brought home a very interesting collection of epiphytes. The air plants, or tree plants, are very abundant here, and some of them very beautiful. Indeed, they exceed anything I ever imagined, for abundance + curious structure. The trees are also loaded down with leaves, or climbing plants, some of them with magnificent

flowers, and so luxuriant that they literally choke the life out of the trees. The flora here is so wonderfully equipt that, although I have tramped all around ammonia for months, I never go two miles in the evening now without getting at least a half a dozen new sp. of plants, and my portfolios are now full of specimens.

Apr. 12. I was obliged to suspend writing for several days, as a friend invited me to go on an excursion with him some 50 miles from here. + invitations of that sort I never neglect if I can help it. We walked from the R.R. station bearing the name of "Pirayes" to a country town ("pueblo") named "Yaguaron" partly through a dense forest + partly over the "campes" (low plain), the latter very wet with pools caused by the recent rains. A distance of 13 or 14 miles. Oh! nobody knows what it is to walk that distance in a broiling Paraguay sun, even tho' shaded a large part of the way by trees. There was not a thread in my clothes dry when I reached Yaguaron, + I could wring the water out of my shirt + stockings as though I had tramped into the river. And yet it was thoroughly delightful to see the densely luxuriant

where by Miss Owen's collection of Nantuckeet plants? Has it not been published yet? and Collins' Massachusetts flora 1831 1832 1833 1834 1835 1836 1837 1838 1839 1840 1841 1842 1843 1844 1845 1846 1847 1848 1849 1850 1851 1852 1853 1854 1855 1856 1857 1858 1859 1860 1861 1862 1863 1864 1865 1866 1867 1868 1869 1870 1871 1872 1873 1874 1875 1876 1877 1878 1879 1880 1881 1882 1883 1884 1885 1886 1887 1888 1889 1890 1891 1892 1893 1894 1895 1896 1897 1898 1899 1900 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1917 1918 1919 1920 1921 1922 1923 1924 1925 1926 1927 1928 1929 1930 1931 1932 1933 1934 1935 1936 1937 1938 1939 1940 1941 1942 1943 1944 1945 1946 1947 1948 1949 1950 1951 1952 1953 1954 1955 1956 1957 1958 1959 1960 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 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polite in their manners, so that I am  
now treated nicely. Even the bare-footed  
beavers - and they always, even the women,  
go barefoot - ~~and~~ give you a salutation  
in the most courteous manner, and  
receive you at his neat-built, straw-  
thatched cabin with the utmost hospi-  
tality. Their moral character, in some  
respects, is of the lowest grade, but their  
manners are most delightful. Out  
in the country, miles away from Assu-  
sima, you will meet with this country.  
Of course, this is all outside, but it is  
a charming outside which I wish were  
as common in the States as it is here.

I told you, I believe, in my last that I  
intended to winter here, and so on collecting  
next winter and summer. The winter flora  
is almost as prolific, & certainly as inter-  
esting as that of the summer. Many of  
the trees and lianas blossom early in that  
season, and the forests are gay with bloom  
in May & June (winter). I have now  
collected about 700 species, which, with a  
single pair of hands only, is pretty good

Assuima, April 20, 1889

My dear friend,

Your welcome letter of Mar. 3  
reached me today. I need not say that  
this, as all your letters, was read with  
the deepest interest. You give me details  
of botanical news which I get from  
no other source, & combine the social  
with the scientific in such a way as  
to be particularly agreeable to me, re-  
peated as I am.

I wrote you, I believe, some  
two weeks since in answer to your  
letter of the previous month, in which  
letter I expressed a great deal of sur-  
prise that you had failed to get the  
various notes which I had sent you.  
I am glad to know that you have  
at least got two of them. My wife  
tells me that you have called upon her,  
& Miss Wiggins, in a recent letter, &  
so tells me about your cards & her, &  
both speak of your failing to get my  
letters. I wonder that there is any



go astray while others which I write seem to have gone all right. But this is a strange land & a strange people, & the Paraguayan P.O. & its ways are equally strange. They are the most dilatory people on the face of the earth, & like nothing so much as pure idlers. A man promises to meet you at a certain hour, or you make a contract for a piece of work. You are lucky if you see the man or get the work done in a week's time. My Yankee promptness and energy are a constant wonder to them all. So my botanical work is a marvel to this do-nothing race. Why one should collect weeds, or "juejos" as they call them, & why he should wander up & down the country with a big book in his hands, picking up "las plantas", & then spread them out on sheets with so much care, beats all their comprehension. The hours here <sup>are</sup> all built directly in the street, generally with a

big, iron-barr'd window close to the sidewalk, through which every passer-by can look. My room is so placed, & as my working table stands close to the window, I am famous any day when at home with an admiring crowd of people who stand & stare at me for hours, & express all sorts of curiosity at my pursuits. I believe that I am becoming notorious in Asuncion as the "crazy foreigner". I used to be annoyed by it, but now I am getting used to this inspection, & rather enjoy the notoriety. Nobody ever walks here, or ever carries the smallest package in the street, except the peons, & to see one of the latter class do both is a spectacle ~~which~~ <sup>to</sup> the Paraguayan is totally incomprehensible. I am glad to show these folks that an independent citizen of the U.S. can work, walk & dress just as he pleases. They are good-natured however, & always

work for 6 months, but I am far from being satisfied with that. You asked me about the temperature, weather & climate of Paraguay. Well, from Sept. 1 to the middle of April is summer, and the mercury (Fahrenheit) ranges from  $76^{\circ}$  to  $96^{\circ}$  in doors, generally standing night & day at  $80^{\circ}$  to  $84^{\circ}$ .

It rains on the average during that time about twice a week, the rains consisting generally of severe thunder storms, not lasting over from 3 to 5 hours. Sometimes there is a "seco" or dry spell in Jan & Feb.. This year there was one of 3 weeks. Last year I am told, there was one of 2 months, but that is rare. Usually the climate must be called in summer hot & humid. About the middle of April, a rainy spell & chilly & cool wet weather set in, lasting till the middle of July or first of August. We have now had a spell of 4 days continuous rain, fog and chilly weather, the mercury falling to  $60^{\circ}$  &  $64^{\circ}$  in my room. The temperature is for all the world like the New England July days when an East wind blows up a sea fog

+ rain, + you know very well what that is.  
But when the sun comes out at other seasons,  
we have weather very much like our September,  
but + mid-October days, most delightfully  
cool + invigorating. The summer pleases me  
best, hot as it is. I am a born salamander  
& can stand any amount of heat; + what  
is best, I know nothing of my old New York  
swamp, + heat, in this climate. Haven't  
had a touch of it since I set foot on Par-  
aguayian soil.

But now I am looking forward to an  
expedition up the Pilcomayo river, the boundary  
line between Paraguay + the Argentine Rep.  
Two expeditions are on foot, one under charge  
of a great English Bank company, + one under-  
taken by the Argentine Government. I hope to  
fit on one or the other of them. If I do, the  
probability is that I shall be some months  
on the trip, + shall see the borders of Bolivia  
before returning. No doubt the flora will be  
of absorbing interest. — Am glad to know that  
my Buenos Aires Art. was published in the Bulletin.  
It will soon give my botanical friends notice  
of my being alive, if nothing else. All the plants  
mentioned in that Art. (or nearly all) have been sent  
to Dr Britton. I have an Art., partly prepared, for  
the Bot. Gazette. — Glad to know that the health of  
Mrs D. is improving. Give her my best regards.  
Very cordially yours,  
Thomas Moring.



informs me that they had no good opportunity of forwarding the boxes until May 15, when they were shipped for New York by the Bark "W.B. Flint." I am afraid that they will hardly reach Dr. B. before the 1<sup>st</sup> of Aug. I have heard 2 more boxes full which I hope to dispatch soon. Dr. B. writes that he is overwhelmed with botanical work, - with applications from all quarters for the determination of plants. I am sincerely glad that he is becoming so noted, for he deserves it. I only wish I were there to help him. Some are I think that he cannot be very anxious to get a 1000 more unknown sp. from So. Am. just at present.

It would not be very difficult for me to work up my collections if I were at the Herbarium in N. York, as I have in nearly every instance taken very full, & some technical descriptions of my plants in the field. In most instances I have little doubt as to what order my specimens belong. I have gone to work quite deliberately about the matter, having time & good headquarters for that purpose; - & that will probably save us an immense amount of work hereafter if my specimens & note books & myself are fortunate enough to reach home in safety. Of course, I speak in general, as there are many plants here of which I do not even recognize the Order. I trust to get at least a thousand species, if not more, before leaving Paraguay - & perhaps as many more in the Andes mts., Chili & Peru.

That is all expectation, however, & may never be realized. But I have had wonderful success in this, with the limited means at my command. If I had plenty of money, I should employ two or three hands, & send out excursions in all directions. But every thing is so expensive here, that I have been forced to keep a strict watch over my finances, lest I use up, all and never get more. This requires longer time, but on the whole it has its advantages - among other things, giving me the personal acquaintance of everything collected, & a precise knowledge of localities and methods of growth. I have learned that many plants when dried & in the room put on quite a difference from their aspect in the field, & are liable to be mistaken by the cabinet botanist. Now everyone of my specimens is known to me ab initio.

I am expecting by the middle or last of June to accompany a steamboat expedition up the Pilcomayo river, the boundary line between Peru & the Argentine. A large & wealthy English agency & the Argentine Steamship Co. are building a steamer expressly to explore that river, & I have been invited to accompany it as naturalist. We are now only awaiting the arrival of the steamer from Britain.

It will not be my fault if I do not bring home a rich collection & a crowded note book. Should my friends miss letters for several months, they will understand the reason. I have been on several country expeditions already, & that may account for the irregularity of my letters. The region spoken of above is terra incognita scientifically - known as the "Gran Chaco." I wish, however,

*Araucarias* (*Asclepiadaceae*), are of the moth-capturing species, - so I returned with a portfolio full, as indeed, I always do whenever I go out. It is a perpetual round of botanical novelties.

By the way, speaking of expeditions, how many miles do you suppose I have gone a piece since reaching Paraguay? I reckon it up the other day, & it foots up (excuse a bad pun) over 200 miles! and walking here, over immense campos or plains, in this excessively humid region, is by no means what it is in our rocky, hilly & dry land. 10 to 1 but you will have to pull off shoes & stockings and wade thro' wide cañons & swollen arroyos in the course of 5 or 10 miles.

Will you be kind enough in your next communication to Prof. Coulter or Prof. Barnes to say that I have for some time been at work on an article for the Gazette? I have by no means forgotten the great courtesy which Prof. B. showed me in writing in my behalf to the U.S. Minister at B. Aires, nor my promise to contribute an occasional art. to the Gazette. My busy life gives me time only to get at the art. now & then, but it will be finished in time, I suppose.

Another favor I have to ask is this - that you will on some leisure day during your vacation go up to Ashland, & see how my herbarium is

faring. I left my cases with my furniture in the house of Mrs Farbach. Miss Ware, her sister, lives on the premises, & takes care of the rooms. Miss Wiggins will show you where the place is - not far from the R.R. station. If she is not there, Mr Frank Euslin, of the hardware firm of Perry & Euslin, has a charge of the cases, & he will show you the way. The cases are all by themselves, tied round with cords which are easily unfastened, ~~which are easily unfastened~~. My plants are not all poisoned, & insects may be doing harm to the specimens. They may need to be sprinkled with camphor. I will gladly repay any expense which you may find necessary. I should hate dreadfully to have them eaten up by the time I get home.

The enclosed article was written at the request of the Manager of the "Herald Co." spoken of above - & fully explains itself. The title was not mine, but the editor's. - Nor was the epitaphical comparison of myself with Dr Gray in the N. Am. newspaper which I sent you any concoction of mine. It was solely of the editor, much to my disgust. After reading this newspaper art, please show it to my wife (whom I am glad to know you visit occasionally) and then send it on to Dr Britton to use as he sees fit.

I trust that this letter will not go astray, as so many others have done. - I am glad that my letter to you has furnished so much matter of interest & entertainment to so many of my friends; you have far overrated its worth. It gives me very great pleasure to hear of Mrs Dr's continued progress toward good health. My kindest regards to her - & my assurance that I will partake of her "baked beans," & "brown bread" just as soon as possible. Keep on writing once a month, & the blessings of an exile will be yours.

Very cordially yours - Thomas Moring.

to *Leimantemum*) are, I believe, all that I have hitherto discovered in the waters. But, of course, I am far from done with the waters of So. Am. yet, & things may improve very much as I go on.

I have collected perhaps some 20 species of epiphytes, but have sent home only the dried plants. It takes too long to get anything to the States from here for roots to survive the voyage. I am afraid. However, if I knew anyone who wanted them, I might try the experiment.

Please remember me especially to Dr Kennedy when you see him. I have been intending to write him for ever so long, but am so occupied that my good resolutions are often like those with which ~~an~~ certain nameless place is said to be heard. I shall never forget how much I am indebted to him. Also give my best regards to Dr Watson & Prof. Goodale. Would that I could drop in, as of yore, on Dr W. and batter him with turning over the Herbarium collections & with calls for library books! His picture, as he sits writing for dear life at the table, & that of our dear old friend, Dr Gray, are as fresh in my memory as though I looked upon them only yesterday.

I suppose that this letter will reach Cambridge night in the midst of your vacation absence. I enclose Ford's list your sojourn in Jaffrey will ~~thor-~~oughly restore Mr F's health. With kind regards to Mr & much love to yourself. I am, most truly yrs, Thomas Moring.

Asuncion, Paraguay, July 1, 1889  
Mr Walter Beane

My dear friend, I have just received a letter from you, of date May 5, and, although I have recently written you, shall answer this at once, as I may go on a voyage up the Pilcomayo river by the middle of this month, & will have an opportunity to write you again for a long while. My last contributor's slips of ~~my~~ article on Paraguayan grasses published by the Paraguayan Land Co. in the Standard, an English newspaper of Buenos Aires. If you get the slips, you will, of course, get also my wishes in regard to the disposition of them. I have just sent another art. to the same paper under the title "A Paraguayan Farm," which I hope will be published in due time. I also told you that I had written two letters (and very recently a third) to Prof. B. S. Bailey, one of them containing seeds of an edible *Physalis*



& the other seeds of a *Capsicum*, red  
pepper, both of which grow wild in the  
vicinity of Arumain. I have had from him  
no answer to either letter, and I greatly  
fear that they have gone the way of so  
many of my letters to the States. They were  
all sent to Cornell University. You tell  
me that he is building a dwelling house in  
Ithaca - Happy man of science who is not  
only enabled to pursue so advantageously his  
scientific studies, but ~~also~~ also has the means  
of constructing a cosy habitation for himself  
and of adding a *Caricatum* thrusts!  
How the rest of us, impetuous scientific  
mortal, envy him! Well, well, he is a  
capital fellow, & is bound to make his mark  
in the world, and I for one am glad of his  
success. You tell me of his new *Cary*  
*Revisin*, of *Bebb's* willows, of *Mr. Watson's*  
new ed. of the *Manual*, of *Ward's Century*  
*Dictionary* etc. - You fairly make my  
mouth water, for here I am quite shut  
from the *Publisher*, the *Gazette*, from *Green's*  
*Sharp* articles, *Goudal's* lectures, & all  
the choice things of which you speak. I

hope some one is going to keep copies of all  
these sweet morsels for me. What an  
amount of reading I shall have to get through  
when I return in order to catch up. Shall  
I? Then besides, with all the aid which  
I expect to receive from Dr & Mrs Britton,  
what an immense amount of So. American  
botanical & other literature will fall to  
my lot in the days to come! Why, I  
have <sup>already</sup> four note books, of 200 pages each,  
now nearly full of notes botanical, accounts  
of expeditions & national, social & educational  
life in this strange country! What will I  
ever do with it all!

You ask if I mean to say that I  
have found here no aquatic flora at all.  
By no means. I meant to say that the a-  
quatic flora of this country has disappointed  
me very much. - no *Potamogetons*, no  
*Characeae*, no *Isaetes*. - a few *Salvinia*,  
*Najas*, water grass, the *Victoria regia*,  
& two species of the *Pilicaceae*, one of them  
a large, bright purple-flowered plant known  
here as the "*Camelota*", the most common  
of all the aquatic vegetation in this region,  
a *Pistia* & an *Eichornia* (quite similar

Just think of it, & envy me, if you  
you dare, the Fahr. thermometer in my room  
(without a fire, you understand, & doors &  
windows wide open) is standing at 72°!  
and the month corresponds to Jan. in  
N.Y. The most delicious weather imagi-  
nable, dreamy, hazy & much like our  
mid-September weather. Occasionally the  
mercury gets down to 40°, & rarely there  
is a frost, but not enough to injure the  
orange trees. This now holds more than  
two or three days <sup>at</sup> the utmost; & then  
only when the wind veers around to the  
south & the sun is obscured by clouds.  
I am delighted with this climate, which I  
think, the finest in the world. Green  
grass is seen the year round, garden flowers  
in full bloom in winter, and <sup>blossoms of</sup> many wild  
plants & trees grace the plains & forests in  
July & August. No rheumatism - inval-  
uable blessing - no consumption, no neural-  
gia, no dyspepsia, no fevers, no kid-  
ney or liver complaints, no cholera or  
yellow fever or small pox or hydrophobia.  
As all the physicians here assert, a  
happily healthy country, they say - happy

land, is it not? The people say that when a man here ~~is~~ wishes to die of disease he is obliged to move out of Paraguay, & I am half inclined to believe them. Seriously, the country is remarkably healthy & free from prevalent diseases. Don't understand me to say that men may not get the malaria or fall ill from impurities or exposure. Of course they can - & Adam & Eve could have done that in Paradise. And when the occasional cold weather comes of which I have spoken, it is downright cold, although perhaps, only  $50^{\circ}$  Fahr. The contrast with the usual temperature is so great, & the fire-less habitations are so loosely constructed, that one actually suffers as much as though he were in Boston with a zero wind blowing in his face. But with a Boston overcoat upon him, thick flannel, next to his skin, and vigorous walks in the open air, he is equal to the 48 or 60 hours during which this kind of weather continues - and with a good bed & plenty of blankets, my! how he can sleep!

Please show these rambling sketches my wife, 755 Tremont St, Boston  
Dr Rusby tells me that he met you in Boston.

Paraguayan collection, w<sup>h</sup>o p<sup>r</sup>o. amount about  
1000 species, probably over 10,000 specimens.

My life here is about the same as it has been for the  
last two or three months. The putting up of my  
boxes has occupied me very closely some time lately,  
and about all the business I get is in going to the  
market for my daily stock of provisions. That  
market, by the way, is a new and big source of  
amusement to me. It is an immense brick  
building, square, 1½ stories high, nearly in the  
center of the city. It has an open square in  
the middle, like most of the buildings here. On  
the upper ½ story, on the 4 sides, are rooms,  
which seem to be rented & occupied by people.  
How in the world they can ever hire them in the  
summer, I cannot understand, but they evidently  
do. The ground floor ~~is~~ <sup>contains</sup> benches  
of marble, & floor of brick & stone, on which  
all sorts of commodities are placed  
for sale. All the vendors are women, who  
sit at the benches or squat on the floor, with  
their merchandise in little heaps before them.  
Here is one woman with little piles of shelled  
peas or beans or potatoes (potatoes 3 or 4 in a  
pile) or eggs before her; here another with  
half a dozen bottles of milk, usually about  
20 cents a quart in price. Still another with  
piles of bread, rolls of wheat flour, Chupa (that  
is, Manioc bread) or maize (meal) bread  
sorted out on the floor or on a bench. Still  
another with tallow candles, or balls of what  
they call cheese, that is, curdled milk; another

July 26, 1889. -  
Asuncion, Paraguay

Walter Deane. -

My dear friend, Yours of May 24,  
reached me July 24, just two months after  
date. It may interest you to know how it  
speeded in its travels. Postmarked Boston  
May 25, it is received in Dublin June 7,  
at Owens Quay July 12, & in Asuncion  
July 24. It probably lay in Dublin 5 or 6  
days waiting for a So. Am. steamer. I have  
heard of letters coming to Asuncion from the States  
in 45 days, but have never yet seen one which  
reached me under from 52 to 60 days, & sometimes 70.

I have answered all your four last letters  
very soon after receiving them, & if you have  
not seen the answers, they must have gone astray.  
I now feel sure when I write whether the  
letter will ever reach home or not. I hope,  
at least, that you received the one which  
contained the slips of my newspaper article,  
which was in the letter before the last. I now  
send you slips of another art. on a "Paraguay =  
an Farm" in the same paper. Please to the  
same with it that I requested you to do  
with my other art., viz. first show it to  
my wife & son, if convenient, & then send  
it on to Dr Britton, to do with as he pleases.  
It may be of no use to him, & perhaps he would  
return it to you or my wife, if desired. This of

no particular value to anybody except myself, and I have retained copies. Since writing that, I have finished a long Art. on "Paraguay & its Flora" for the Bot. Gaz. which I have sent on to Coulter, & another shorter one for the Bull. of the Bot. Club in "Mandevilla". I hope both of them will appear in due time. It is so awfully long, however, for anything to reach home, that before I ever see <sup>an article in print</sup> ~~the article~~ I have almost forgotten what I wrote. My "First Shimpas re" was written in B. Aires about the middle of Oct., was not printed till Jan., I think, & I never saw it until April, 6 months after it was written!

I told you in my last that I was daily expecting to go off on an expedition up the Pilcomayo river, but the boat has not yet arrived, & I know not when she will come. Mr. Storm, the Commandant, is pressing his preparations as fast as possible. I suppose, but all things move awfully slow here. I note what you say about ill health, & am sorry to know that both you & Mrs. S. are so afflicted. At this time, I presume, you are in the midst of your summer vacation, & enjoying the invigorating air of the white mts. I think that it will infuse new life into your veins. If you enjoy sampling over the white mts. & collecting their rare & interesting flora as much as I have done on several occasions in former years, you will grow well & strong at once. I have walked over Mt. Washington four different times, over Mt. Adams once, over Mt. Rainier several times, over

Mt. Clinton &c. to the Crawford House several times - & believe I have about all the peculiar plants growing there - at least, if the worms have not devoured them all by this time.

I know it will be a rare treat to you if you have never been over those grounds before.

I am also very sorry to learn of your father's ill health. Old age is a difficult thing to cure, I am afraid, though some stand out longer than others. What a pity, it is, is it not? that we must grow old, & just about the time when we know the most about life, & could do the most, we are obliged to give up all & depart! If Dr. Gray or Prof. Agassiz could only have lived 100 years longer, how much the world would have gained from their ripe experience! Please give my kind regards to your father, & tell him that I sincerely hope that his health will mend yet.

I am hard at work just now preparing another lot of specimens for the States. I find on reckoning that they foot up some 2500 specimens, & including miscellaneous plants, lichens, fungi, mosses & ferns add about 200 other species to those already sent home. My last note book number is "784". Of course, however, some will prove duplicates, & others drop out, so that I cannot safely calculate upon having collected more than 750 species. If my Pilcomayo expedition is a success, it should add enough to make my

as the wind comes to the north, the sun  
comes out & the mercury rises to 70° or 75°  
& that sort of weather 'will last 'round'  
to 8 days at a time. So far as rain is  
concerned, it falls at intervals all the  
year round. Thunder storms are common  
both in summer & winter, more common,  
of course, in the extreme hot weather of  
Dec., Jan. & Feb. It is a very wet  
climate indeed, & it is reckoned that  
the <sup>average</sup> annual rainfall here is from 70 to  
80 inches. Droughts are I believe, entirely  
unknown in Paraguay. You know the  
reason of this, of course, - the nearness of  
Paraguay to the great chain of mts, the  
Andes, which catch & send back in rain  
all the cloudy vapors of the Atlantic.  
No Atlantic moisture ever gets across to visit  
my brother in the desert of atacama.

- Speaking of "half crazy" botanists, please  
tell Mrs Beane that it is my firm conviction  
that it is not botanists who are crazy, but  
the rest of the world. Real scientific men are  
the only sensible ones going. The world is full  
of enjoyment for them, & enjoyment of the pre-  
sent kind. I trust White Mt. air has done wonders  
for you both. With kind regards to all  
I am as ever most cordially yours  
Thomas Moring

Asuncion, Paraguay.  
20 August 1. 1859.

Mr W. Drane.

My dear friend, I answer  
yours of May 24 only a few days since.  
I must say a few words in reply to yours  
of June 8. just received. The former came  
by way of England, & this apparently has tra-  
velled the usual U.S. route from N.Y. to  
Monte Video, & thence to this place. It was  
in N.Y. according to the Postmark, June  
10, & in Mont. Video July 10, making only  
51 days of transmission, which is a much  
shorter period than usual. It must have  
hit the connecting lines immediately this time.

I have sent you slips of two dif-  
ferent articles written for the Standard, an  
English newspaper printed in B. Aires. The  
first one, if it has turned up at all, must  
have reached you before this. I also long  
ago notified you that I had sent several  
letters to Prof. B. H. Bailey, containing seeds  
of plants which he desired. As I have  
not heard from him at all. I am afraid  
that the letters have miscarried. Has he a  
particular address at Cornell University

which it is needful to follow, or would the  
simple address of "Cornell University, Ithaca,  
N.Y." reach him? I note what you say  
about his Cuvex work. I am very glad that  
the U.S. has such a proficients exponent of  
that difficult Order. I hope the family  
will stay for many years where he has built  
it. I believe I told you that I had found  
but one Cuvex in all my So. Am. Collections,  
& specimens of that I have asked Dr Britton  
to send on to Bailey. My first set of plants,  
if they have had good luck, must have reached  
N.Y. by this time. I now have three more  
boxes full, which will leave here by the steamer  
of Saturday, Aug. 4, or the following wed.,  
for Buenos Aires. This is a far better set  
than the first, tho' not containing so many  
specis. There are about 183 sp. not sent  
before, & some 2800 specimens. I expect  
that my Pilcomayo trip, if we ever get  
to it, will start me in some 200 more  
sp. I am already to start as soon as  
the book comes. We all of us here ex-  
pected that she would be here before this, &  
she would have been if So. American work-  
men were anything like North Americans,

but they beat the British, & they, as an  
old uncle of mine used to say, beat everything.  
When any piece of work begun here will be  
finished, it would puzzle even a Philadelphian  
lawyer to predict.

I also told you in my last that I had  
at length finished & transmitted my long-  
language Art. for the Bot. Gaz. You will  
see some things in that, if it is ever  
printed, about the climate, weather, tem-  
perature &c. of Paraguay, as well as about  
the difficulties of preserving botanical specimens  
in this quarter of the world. There are  
but two seasons here, summer & winter,  
the former commencing about the middle  
of Sept., & continuing till the middle of  
April, & the latter for the rest of the  
year. There is no very copious rain  
here, in the strict sense of the term.

In fact, winter is only occasional. We  
may have three or four days at a time  
when the thermo-meter (Fahr.) runs down  
to 64° or 60°, rarely to 50° & 40°, with  
a slight frost, when the wind blows from  
from the south, but this far in my  
experience such weather continuing not  
over four days at the longest. As soon

spot, is occupied by women squatted on the brick floor, with piles of vegetables & other things around them. Here are great heaps of luscious yellow oranges, 24 of them for a real (10 cents), or <sup>stacks</sup> ~~of~~ <sup>of</sup> oranges 5 feet long, the joints of which Paraguayan women love to suck, or infinitesimal heaps of rice, beans, peas, peppers, manioc roots, & ~~knowing~~ <sup>knows</sup> what else besides. The women are so thick that you can hardly get through the crowd, and, in fact, to move about at all, you have to pick your way through these heaps of commodities; & what with women vendors & women purchasers (for the female serenity in households do all the family marketing), boys & girls, dogs, chickens & the like, it is a matter of great difficulty to make your way around in market hours (from 5 to 11 o'clock a.m.) The hubbub is indescribable; langlets, shrieks and Guarani guttural salute you on every side. The vendors use their bosoms as their purses, & when you take the miserable, dirty, fractional currency which is all the Paraguayan Govt. can manufacture (no gold or silver whatever) from such purses, you certainly expect to get the cholera, or some other infectious disease. - Outside, on the square, stand the patas & donkeys, with a pair of panniers across their backs, which have brought all their commodities to the market in the morning before you are up. Some of these poor women have walked with loads on their heads, or ridden on donkeys for 10 miles from the country to sell their produce! And perhaps they earn 50 cents <sup>a day</sup> by their sales, & pay from 10 to 20 cents <sup>each day</sup> out of that for the privilege of squatting 6 hours on the market floor! What do you think of that!

With much love. Yrs. cordially, Thomas Morong.



with parrots, paroquets<sup>2</sup> ("loritos": they call them)  
macaws, monkeys, or even a fawn; & by her  
side, a woman with turkeys or chickens, half a  
dozen tied together by the legs, & protesting loudly  
against their confinement. In this quarter, you  
may get earthen water jugs, tin ware, glass,  
ware, cheap jewellery or the wonderfully beautiful  
laces which are made by hand by the women of  
this country (the only thing, here, which a person  
of taste really covets). Down here the floor or  
the benches are covered with fresh vegetables, corn,  
lettuce, egg plants, squashes, lemons, citrons,  
peas, beans &c., which ~~are~~ ~~not~~ get fresh all  
the year round. And here are divers women  
squatting on the floor with braziers of burning  
charcoal on which they are frying mutton,  
pan cakes, & all the curious compounds of  
cheese, rice, maize, &c. of which the  
Paraguayans are fond, & divers boys & women  
around them buying & eating the same.  
Around the four sides are rooms in which  
are sold <sup>fresh</sup> meat (all by women, you understand)  
which is packed up in joints without the  
slightest regard to joints, steaks, saddles, & vasting  
pieces or anything else that we are particular  
about. Some of the outer rooms are groceries,  
or, perhaps I had better say <sup>wine shops</sup> liquor saloons,  
for liquor is the principal & the most profit-  
table article sold in them. Dry goods stores  
&c. &c. all around the building runs a wide,  
covered veranda, & this too, in every available

Known here as "El Beste grande," is sometimes found in the swamps of the country. I have never seen one, but hunters tell me about them, & the great difficulty of approaching & killing them. Pumas (so called "lions") and "tigers," that is, jaguars, are numerous in the Chaco territory & in the monte & cordilleras of Eastern Paraguay, but they seldom come near the inhabited towns. I have seen their tracks on the river side, opposite Asunción. They kill many cattle, but never attack a man unless assailed. I am told, many tiger skins, however, are for sale in the stores, and they are regularly hunted by "tiger hunting" for their pelts, which often bring from \$50 to \$75 a-piece. I saw one skin which measured 18 feet from the snout to the tip of the tail. So, you see, it is rather a formidable animal to deal with, especially as it can climb a tree, & the hunter cannot escape from it as he can from the Indian tiger.

I cannot learn that the sloth is ever found in Paraguay, nor the bear or wolf. There are no rabbits or squirrels whatever. Snakes are very common, most of them (& all that I have hitherto seen) harmless. The rattlesnake, & several other poisonous species are

Asunción, Paraguay, Oct. 5, 1889

Dear friend

Yours of July 13, dated in E. Jaffrey, N.H. reached me about a week since, and it was acceptable enough. I can tell you, as I was pining for letters from home that had been long delayed by the low water of the river communication with Buenos Aires. At the same time came letters from Prof. Bailey, Dr & Mrs Milton and my wife. So, you see, I had a big stock of happiness all at once.

I am very glad to hear that the pure air of the hills is doing Mrs S. so much good, & trust that by this time you are both at home in the enjoyment of mountain strength.

To answer your questions before I speak particularly of myself & work — Yes, I have done considerable work with my camera, but am sorry to say that the negatives have turned out poor. I am afraid that the celluloid films which I bought from Boston, instead of the ordinary glass plates, have lost their sensitiveness. I am still experimenting,

however, + may get good pictures from them yet. The camera is first rate, + all its parts work admirably. I would give a good deal, however, if I had a Kodack camera and ~~two~~ two rolls of the new films prepared by Eastman + Co. If all that the papers say of this is true, it is the best thing out for travelers. My camera has to be set up on a tripod + adjusted nicely in order to take views with it, all of which requires time + causes more or less inconvenience, good as the camera is. Please tell Mr Sampson what I say. I am sorry to hear of his ill health. - There are several good photographers in Asuncion, + they are taking views of the country + the people: so I can buy views, if I cannot take them, only they are dreadfully expensive. They charge \$2.00 a piece for unmounted views, + \$3-5 for card mounted views + photographs 6 x 8 inches size.

You ask about the fauna of this region. Well, it is rather peculiar, + scanty at that. The principal primus headbonts is a huge alli-

gator, which abounds in the river Paraguay. This creature makes it rather dangerous to bathe in the river, but still we all do it constantly. I have done so many times, and have enjoyed the swim immensely. The "alligator" is apparently a species of crocodile, thin-skinned, often 15 or 20 feet long. Another animal, here called the "Carpincho", a sort of water hog, is common in the river. Its flesh is esteemed by the Paraguayan people, but I had as lief eat a woodchuck. The Armadillo is quite common, but it is a small species. The Agouti, looking a good deal like one of our coons, occurs in the forests, + is often caught + tamed. Monkeys, of several species, are common in the woods, + the people are very fond of keeping them as pets. The most common is a small, long-tailed species, with a most comical face, + a loud squeaking cry. Another is the howling monkey, whose loud, hoarse howl can be heard for a mile. The ant-eater is another animal, the skin of which I sometimes see in the market. The Tapir,

Thirt & Co., to be sent on by train to the Smithsonian in Washington. Please tell Mr Milton this. If you have occasion to write him. I have now sent home, as many as I can estimate, many 800 species or 10,000 specimens of plants. all of which I hope, may add our stock of S. Am. flora. and yet I do not feel as though I had done anything. Had I only a command of funds sufficient, I could have accomplished twice as much, but everything is so expensive here that I am crippled beyond measure. I am obliged to provide for my wife, and dare not call upon my N. York friends for a greater outlay, than they have already made to fit me out & provide for us all.

We are having a wonderfully dry spell of weather for Paraguay just now. The people tell me that the "seco" is very unusual at this time of the year. But year it was all flood, now just the contrary. We have had but little rain for the last 3 weeks, and the river is lower than the oldest inhabitant has seen it for years. - Have just written an Art. on the Hortic. culture of Paraguay, at request of Prof. Bailey, & sent it on to him, for his forthcoming annual. Please tell him so when you write him. Am glad that he has acceding sails. Much respect for Mrs B. & all others.  
Yours truly - Thomas Murray.

2

numerous in the forests of the Chaco region. Civil Engineers tell me that in their expeditions through the forests of the Chaco their oxen are often bitten & killed by poisonous ~~at~~ snakes. I make it a rule to kill all I see, and examine them for the fangs, but I have never yet run across a poisonous species. If I ever do so on that Pilcomayo expedition (which now looks doubtful, thanks to those abominable Paraguayian delays) I shall certainly encounter pumas, tigers, and venomous serpents, but that terrible fellow of which Dr Gould spoke has never yet put in <sup>an</sup> appearance. I don't believe that stambard paraguays ever saw him. The box-crustator does not occur in Paraguay, I believe. The largest I have seen, a dead specimen, by the way, which I found in the woods, was, perhaps, 8 feet long & 4 inches in circumference at the largest part.

Birds are not very numerous here. Parrots (the "loro") & the little green Parakeet ("lorito") & the large parrot species called "Pezageys", a fellow with a huge bill & red & green plumage, are

found in flocks, & very noisy they are. Some of the crows can be trained to talk very well. The "Horned" (described in my Art. in the Bulletin) is common. A variety of water birds, some of them cranes or herons, some snipes, ("beckhuans") the plover; <sup>also</sup> a large, handsome bird with blue plumage, & a curious long & cross-tailed bird, & a small white & black meadow bird, the names of which I do not know - are about all I have seen. I was shown the other day by a man who had shot them two very rare & strange looking aquatic birds. The one with a sharp vertical bill, the lower mandible much longer than the upper, & with a pair of narrow wings like a gull, each of which was a foot long, the plumage red, scarlet, green & blue, very handsome, and the other, a smaller bird, with reddish plumage, & two curious horns, one at each of the arm joints. I know not what they are, but they would make distinguished specimens in one of our ornithological museums. Two species of humming bird, only, have I seen in the gardens. Butterflies are very numerous, & some of

them exceedingly handsome. If I had time for entomological collecting, I could find a rare lot of beetles, flies, moths & butterflies to collect from. Ants are in legions & utterly detestable, fleas & cockroaches ditto, earth worms & other worms ditto. An active & experienced entomologist ought to be in raptures with Paraguay.

So much for the fauna, of which I could write a good deal more, if I had time & room.

My commander in the Pilcomayo Expedition keeps writing me that he is on the point of coming, & as often to say that he is unavoidably detained in B. Aires. I don't know when the thing will take place, if ever.

However, I shall, as I have already intimated you, leave here by the 1<sup>st</sup> or early in Jan<sup>y</sup>. next, & hope to cross the mountains into Chili soon after. After the middle of Nov.

(two months near for a letter Opt here) my address will be care of Sr. Don Juan C. Illang, Calder, Chili.

The Smithsonian agent in B. Aires (S. B. Hale & Co. Calle Reconquista, 50) write me that my last 3 boxes of specimens were shipped at that port Sept. 14, on the American bark "Eric Reed", for N. York to be delivered to their agent in N. York. Messrs.

shall try & send him some more of the seeds,  
I saw it only the day before yesterday in  
good flower - fruit not quite ripe. It is  
very common in waste grounds here.

I shall adopt your suggestion & write  
to Dr Kennedy. Meant to do so before  
this, but one thing and another keeps  
me so occupied that my resolutions are  
sometimes forgotten.

No. I have not got off on my Pilcomayo  
Expedition. The steamer which is to carry  
us has been lying at the mouth of the  
Pilcomayo this month waiting for its  
commander to come up from B. Aires.  
What detains him I can't imagine. He  
has written to me several times, setting  
dates for his departure. In his last  
he implored me not to leave him before  
he came, as ~~she~~ wants me to go with  
him very much - at least, so he says.

As to the two newspaper articles which  
I have sent you, I should be glad to  
give you copies, if I could. I could  
only get two of each, one of which, of  
course, I retain for myself. I think  
it likely that Dr Milton only wants them

Asuncion, Paraguay, Nov. 1, 1889

My dear Walter dear  
Dear friend. Yours of Sept. 15 has  
just arrived, much to my delight, as  
it has now been a whole month since  
I have had a single letter from home.  
Two from my wife, one from my son, &  
one from Prof. F. Baumh. Scribn., of Knoxville, Tenn., came at the same time.

The river has been very low for the past  
two months owing to an unprecedented  
"drought" (drought) which has prevailed  
here, & consequently the boats, and  
with them the mails, have become  
very irregular. Still your letter came  
in 45 days, which is, after all,  
expeditions for this part of the world.

It grieves me much to hear of  
your father's poor health. Yes, I dined  
with him once in your company, and  
well remember how bright & sociable  
he was at the time. I thought him  
a well-preserved old gentleman, and  
good for many years of life yet. Well,

This letter is all about the  
question that I am obliged to  
see in looking it over, but you ask me so many  
of it. I want to make a personal matter of it. I want to see the agitation.

we cannot always keep our friends with us, much as we may desire to do so. I hope his end, if it must come soon, will be peaceful & free from pain.

To answer your questions. I was obliged to destroy some of my letters, they grew into such a large pile, keeping only the most important, so that I cannot refer back to yours of last Nov. & Oct., but before doing it I counted the number which I had received from you, and I know that the one which has just come is the 13<sup>th</sup> that I have received from you, so that one of yours must have gone astray, & probably it was one of the dates to which you refer. I presume that some of mine to you must have done the same.

Two letters from Zappay came from you, but so near together that I answered only one of them, which answer you have probably received on this.

No. I am a poor correspondent, I know, but I have written more letters since coming to Paraguay than I ever wrote

before in all my life. I do believe. My wife, when I was absent from home in vacations had to give me an epistolary curtain lecture on the subject about once a fortnight, but I am afraid that I never laid it much to heart. Since coming here, I have written to her regularly every month, & that I consider a great feat - I judge, however, from her letters that quite a number of mine have miscarried. I deal with you, as you do with me. You are such a faithful correspondent, that I should consider it a great shame if I did not acknowledge the kindness. I am very glad that my letters have entertained you. Of course, one could not pass a year among such new & strange scenes as Paraguayan life affords without seeing more or less that was amusing & interesting.

Yes. I have had two very cordial letters from Prof. W. H. Bailey, and I knew that he had succeeded in getting one of my *Physalis* seeds to grow. I

P.S. I have just recovered an old & valuable friend, about which I must tell you. You remember the little penknife which you gave me on the day when I left Noytic Wharf? Well, it disappeared about 4 or 5 months since. I hunted everywhere for it in vain, & gave it up for lost. The other day in using some of my stick drawers which I had not taken out of the pile for a long while, I felt something hard clear inside of one of the drawers, which I thought must be a piece of wood which had got there accidentally, but lo, it turned out to be the long-lost & much lamented penknife. Now it lies open on my table as I write, none the worse for its long disappearance, & as I look at it I think of the friendly hand which put it into mine in Boston, & which I hope to grasp before another twelve months has passed.



Will you do me the favor of writing to Washington & getting for me No 104 (1889) of the U.S. Consular Reports! It contains consul Hill's report upon Paraguay. I have read it, & it is quite interesting. You may like to read it yourself. I do not wish you to send it here, but keep it against my coming home, as I may want it for future reference. I was well acquainted with Hill who is now in the U.S. looking after his political interests. Ward would probably obtain a copy for you.

I also much want to see a report on the culture of Cassava in Florida, which Dr Vasey (of the Agricultural Depart. in Washington) informs Dr Rusby was once made to the Depart., with a chemical analysis of the plant. As I am writing on the Mandioca (Cassava) I wish to compare the statements in this report with my own observations. Not here, but when I come home. Ward will probably also get you this if it is to be obtained at all.

The Consular Report is easily to be had, since it is so recent, but the other may be unobtainable.

Goodbye again.

for the time being, to get hints out of them for the determination of some of the plants which I have sent to him. I dare say that he would return them to you in time, if you make a request to that effect. However, that will be as he chooses, as I meant when I sent them home that they should ultimately go to him for disposal.

I hope that my Art. for Coulter has reached him in safety. I should be very sorry to lose it, for I spent a great deal of time & pains upon it, and besides shall want it for future reference.

Say the same thing about my paper for B.H.B.'s Horticultural Annual, - about which, I think, I have told you.

I am now engaged on an exhaustive paper on the *Manduca* for Rurby, tho' I fear somewhat that I shall hardly get time to finish it. Certainly shall not if I soon leave for the Pil-comings. I have written a short article upon the subject already, which I sent to Dr Britton long ago, & which should have appeared before this in the Bulletin.

Yes, some of my specimens have already reached N. York, as I was informed by Dr Britton. He was to open them about Sept. 20. I am quite curious to learn

whether they got home in good condition or not. It is so very damp here generally that I am anxious about them, for fear lest they have moulded in the way. I hope not most sincerely, for never have I treated his sweetheart with more devotion than I have given to my plants, & had it been in our own country, I know they would have proved capital specimens.

I am at work daily in collecting the beautiful spring flora which occurs here. I see from my note books that since Oct. 1. I have collected <sup>39</sup> 25 species which I had not seen before. Indeed, I never go out on a botanical tramp that I do not bag from 2 to 7 things new to me. The last number in my note books is 827. This implies on the average some 15 specimens to a species. The time required to preserve all these specimens is so great

that I cannot go out as often as I wish. What do you think I ran against the other day? No less than our old Xanthium strumarium!

However & repulsive as it is, it really did me good to see its rough bars, it did look so natural among the unfamiliar things by which I am surrounded. Two or three others of our home weeds are here, & I always pat them lovingly on the head, & put specimens into my portfolios to look at when I reach my room. With kind regards to Mrs Deane I am, as ever, cordially yours, Thomas Moring.

the others. The tree which bears this is very large, some 50 or more feet in height. You may see great piles of the fruit on the floor of the market, & buy 20 or more of them for a media (5 cents). The third differs from the others, being the fruit of one of the *Styracaceae* (*Styrax reticulata*, I believe). This is rather smaller than either of the preceding, oval or pear-shaped, greenish-yellow, with a sweet rather firm flesh, in which are mixed 1-4 shaggy, olive-colored, lenticular seeds. I like this better than the others. If possible, I shall send the seeds of all these fruits to Dr. Milton with the request that he will forward some of them to Prof. B. H. Bailey, to try his hand in raising them. Perhaps, also, I shall send one or two by letter to Prof. B. - but they are rather large to send by mail. It is barely possible that one or all of them might be acclimated in the States. They certainly would add considerably to our stock of fruits, if it could be done. - Besides

Asuncion, Paraguay, Nov. 19, 1889

My dear friend,

Just now I am idle, & should like nothing better than a chat with you. My idleness arises from an enforced waiting for that - please excuse the word - enfolded *Pillowayo* expedition, which has brought me almost to death, but which is a good illustration of the material profanity of So. Am. people. Only three or four days ago I received another letter from Mr. Storm, commander of the expedition, saying that the steamer was waiting for him at the mouth of the *Pillowayo*, & that he expected himself to start from B. Aires Nov. 16, & begging me to wait for him. I am almost afraid to trust his word, since I have been taken in so many times, but as he is a bone, & not a native So. American, I keep hoping that he may fulfill his promise. If he does come, as promised, I shall urge him to start as soon as possible. I ought

to be a most profitable voyage for me, & if there is water enough to enable us to ascend the river to its source, its doubters will. I hope to get there at least 200 species of rare plants, in addition to those collected east of the Paraguay river, but, of course, all is uncertain.

You will, I think, be interested to know something about the fruits of Paraguay, especially those sold in the Buenos market, of which I keep a close watch. Of the oranges & lemons, I believe I have told you already. The lemons & citrons are almost equally abundant. Pineapples in plenty, & of good flavor. The guava, in its season (same thing as the guava of the West Indies, which we get in preserves) is very common. I like the taste of this almost as well as the wild animals & birds do. It is about as large as an apple, yellowish on the outside when ripe & filled with a sweet, red, luscious pulp. It is ripe in January. The "mamona", fruit

of the *Carica Papaya*, is as large as an orange. somewhat mawkish, however, to my taste, but much relished by the natives of Paraguay. This, as well as the Guava, is used in making preserves.

Lately I have seen for sale in the market three kinds of what may be called native plums, & have taken pains to investigate them. One of them, about the size of our blue plum, of a dark purple color, is the fruit of the *Cugenia cauliflora*, one of the *Myrtaceae*. It has rather an astringent pulp, the flesh white, & adhering closely to several small seeds - not much to my taste, I must say, but the natives like the fruit. The tree has the peculiarity of bearing its flowers & fruit along the main trunk, in the most curious fashion, & I have been asked more than once by foreigners what that strange tree can be. Another, of nearly equal size, is yellow, the fruit of another species of *Cugenia* - the flesh yellow, attached closely to several seeds, but much more agreeable to my taste than

but I do not expect that we shall encounter any insurmountable dangers or hardships. I am to be provided with every thing I need for collecting plants, bugs, snakes, birds & beasts, and shall hope to make a very rare gathering of all these things. The Captain & the Band Company which lays the expenses of the expedition are very liberal, & not even a Government expedition is better equipped. So, you see, I am in clover, & cannot afford to lose the chance, even if it should take six months of my time.

The company concerned is the English and Paraguayan Band Co., a very wealthy and active English corporation which owns thousands of leagues of land in the Paraguayan Chaco, through which we are to travel. They wish to find, if possible, a practicable river route through their lands for the purposes of colonization, and they are anxious for my services to learn the nature of the soil, the productions & the possible chances of successful farming in this terra incognita.

I shall make them pay handsomely for my services, you may be sure, & they are abundantly capable to do it & willing. If

Asuncion, Paraguay, Nov. 29, 1889

My dear friend,

Although I have recently written you, I venture to ~~say~~ <sup>trust</sup> your kind disposition with another mission for fear that I may not have another opportunity to communicate with my friends for a long time. Mr Stone, commander of our proposed expedition up the Pilcomayo river, has at last reached Asuncion, & given me some definite idea of his plans. He proposes to start from here on the voyage in a week or two, & get as far up the river with his steamer as he can. That cannot be very far at present certainly, at least not more than 75 or 100 miles, as the water in the river is very low, & snags & bars are very numerous. How long we shall be gone is entirely uncertain. It may be three or four months, and as there are no post offices or mails up there & no wild beasts & wilder Indians, it is a chance if I can get any word home before

my return. If therefore you do not hear from me for several months, you must not be surprised. When I get back to B. Aires, I shall write. I shall have word here with a friend, George Usher, Esq., to notify my friends if anything occurs over.

Of course, my plan to cross the Andes in Jan<sup>y</sup> is completely upset, as I should not think of trying that after the middle of Feb<sup>y</sup>. It would be too dangerous, & I am well warned of that by the sad fate of an American who attempted to cross last April, & was frozen to death. I shall probably go round by steamer to Valparaiso through the straits of Magellan, & hope to meet my brother in March or April. We must think I ought will be not hearing for such a long period from my friends, but I shall expect to receive a big pile of letters when I get to Caldera. From you I am sure of having the regular monthly letter.

I would not alter my plans & go on this expedition at all if it were not a very rare chance, - one that might not occur to a naturalist once in a hundred years.

The vessel which we are to traverse is altogether unknown scientifically, & I shall go with all the facilities for making a complete collection of the flora & fauna. The steamer in which we are to make our voyage is one of the finest looking craft imaginable, but well adapted for the object in view. In fact, she was built in Scotland, on the Clyde, for this <sup>express</sup> expedition. She is about 60 feet in length, flat bottomed, drawing only 8 inches water forward & 11 inches at the stern, covered over with a wooden roof, has a small Dumbey engine in the bows & a stern wheel behind, capable of making 4 or 5 knots an hour against a current. She is to drag a small chata, or flat boat, behind, in which will be placed a part of our stores. We shall have a guard of 15 Argentine soldiers for protection, & the crew, besides the captain & myself, will number six persons. We are to be provisioned for a six month's voyage, & to be well armed with carbines and Winchester rifles. Of course, the voyage will be attended with many difficulties,

2  
there, I noticed the other day a pile of  
blackish fruit, nearly as large as a marble,  
& proceeding to investigate, as usual, found  
that they were the interior kernels of the  
fruit of the "Coco" (the palm, *Cocos*  
*australis*) I was quite amazed at this,  
for you must know that this tree bears  
a small cocoa-nut, which is as large  
as - well, 3 centimeters in diameter, or  
exact. It has an outside olive-colored husk,  
inside of which is a yellow pulpy husk,  
much relished by Guaraní women & cows,  
& inside of that a hard bony nut, in  
fact, a small cocoa-nut, which con-  
tains the kernel that tastes just like  
the meat of the genuine cocoa-nut, tho'  
it is solid, & has no milk like the true  
article. This kernel the Guaraní mar-  
ket women had extracted, after a world  
of pains, & many hard blows of ham-  
mer & knife, & these they were exposed  
for sale in heaps. I don't think that  
anybody but Indian women would have  
patience enough to do that; & the thing  
is not worth the trouble after it is done.



The only other small fruit which I have seen for sale is the Physalis which I have sent to Prof. B. There is no such thing as blue berries, huckle-berries, raspberries, ~~or~~ blackberries, or strawberries. The two last of these have been raised with much pains in gardens, but none are native.

Melons are common - nice, large, yellow muskmelons & a very poor watermelon. Grapes are sometimes sold, also peaches, but both miserably poor, & neither native of the country. Apples, cherries, the True plum, I have never seen, & only the poorest apologies for pears (not a native of the land) -

As you are much interested in Paraguayan meteorology, let me tell you in closing how the thermometer has stood in my room for the last 6 or 7 days. At 6 o.c. a.m. from  $76^{\circ}$  to  $78^{\circ}$ , at noon from  $82^{\circ}$  to  $88^{\circ}$ . One rainy day only in all that time, but a very heavy thunder storm on that day. Wind north most of the time, but occasionally south, & then quite cool to the feelings. Oct. 26, we had a tremendous thunder storm of which I have given my son an account, which he will read to you if you care to know what Paraguay can do sometimes in the way of storms. It was really terrific.

I have written you so recently that I have scarcely nothing to say of personal matters. I am extremely glad to learn of the good which Laffrey has done to my son - & with respects for her & much cordial love yourself I am as ever yours truly. Thomas Morang.

the project comes off as successfully as we expect + hope it will, I shall regard myself as unusually fortunate. At all events, I am in for no end of adventures + interesting experiences, + shall probably add considerably to my stock of Paraguayan notes.

In the mean time, I have thoroughly scoured Cruncione + vicinity for a radius of 50 miles, + I imagine that there is scarcely a plant + which grows within that distance at any season of the year with which I have not made acquaintance. My last note book number of species is 847, + I think my number of specimens cannot be less than 10 or 2000. I have now about one box and a half of specimens ready to start for Washington, + then I hope to forward to the Smithsonian before I leave for the Pilcomayo.

I have not yet heard from Dr Britton in what condition my plants reached N. York. In his last letter he merely says that the first lot of boxes are in the Herb. unopened, + that he is too busy to attend to them.

I hope that they will prove good. I know that I have taken much pain with them. Some of the plants here are extremely hard to preserve. They will fall all to pieces. Some of these, however, I have been dosing with boiling hot water when fresh, & with good sugar. Three species of *Rutulaca*, for one thing. The water kills the plant, of course, & takes all the color out of the flowers. But you get whole plants, at any rate. One plant, apparently Papaveraceous, which I worked over for weeks last year, absolutely went all to dust after being dried. The hot water cured it completely, & I now have whole plants. The Begonias, of which there are many species in the country can't be dried under 6 months in the ordinary manner. - Do you know whether my art. in the Bot. Gaz. has been published yet? The one in the Bulletin in Mendocino I have received copies of.

Have you ever been able to go to Ashland & look into my Herb. cases? If not, I trust you will, for the plants may need some attention, & only a botanist can give it in the proper way. Perhaps a little fresh camphor should be put in the cases, as many of the specimens are not poisoned. I trust that your father is still alive & better. With kind regards to Mrs D. I am, as ever, yours cordially  
Thomas Morong.

make out a monograph of them yet. As you know, I have many microscopic drawings of all the species which have never yet been published. & some of the species are represented only in my Herb. I was sorry when I left home to think that I could not complete my work on the Order, & that somebody else would probably give an imperfect account of them while I was away.

It may be, however, that Mr Watson would not have asked me to have any hand in the <sup>next</sup> Manual even had I been at home, as he is a very peculiar & hard set man. I never felt satisfied as to my standing with him as a botanist. I got along much better with Greene, a man much more liberal & comprehensive botanically, in my opinion, than the Harvard Herb. man. (This is sub voce, you understand, I speak to you confidentially)

I am quite surprised & chagrined to think that I have never given you my Chilean address. I thought that I had done so several times. It is to care of Sr Don Juan C. Moray, at Caldera, Chili, S.A. I hope when I reach my brother's home to

Asuncion, Paraguay Dec. 21. 1889

My dear friend

Again am I gladdened by the sight of your familiar handwriting. Yours of Oct. 19 reached me in just two minutes time after date. I had almost begun to despair of getting anything more from home when the mail came in with 7 letters for me from the States. I believe that I have written you two letters since hearing from you, but as I am abominably unsystematic about correspondence & write when I am in the mood for it, keeping no account of my letters, I cannot tell. You will know. I am glad to learn from my son that my art. on Paraguayan flora has been published in the Gazette. Of the *Neandisca* art. I have received copies from Dr Britton. Two pleasant letters came from Bailey. I mean to make him up a box of seeds of all kinds, & hope that Paraguay will contribute a little to the market fruit of U.S. Have sent him more of the *Physalis* seeds, but he tells me that he has succeeded in

getting cutting growths from the one plant which he obtained for seeds sent already, so that he may not need the fresh lot. Had pleasant letters from Dr & Mrs Britton, in which they tell me that they are keeping the curatorship of the Columbia Coll. Herb. open for me, & have lots of literary & botanical work for me to do. Well, such information makes me home sick, & I long to get back again, but the necessity of doing something worthy of my S. Am. tour is upon me, and I must accomplish more than I have. If

I can ever get off upon this long-delayed & long-promised Pilcomayo expedition, I shall round up my Paraguayan work very satisfactorily. But it will cost me my trip across the Andes, & necessitate going to Chili by way of the Strait of Magellan, & also cut short my visit to Chili by several months. The little steamer, the "Discoverer", in which we are to go, is up here in Asuncion, & the commander, Mr Storm, keeps assuring me that he will get off in a few weeks, but as he has been doing the same thing for the last six months, I am not

much inclined to trust his word. However, the Chief manager of the Steam Company has now returned from England, & will be in Asuncion in a few days, & as he is the originator of the expedition & a man of great force & energy, I am in hopes that he will put the thing through. At all events, I cannot wait much longer. It makes a nervous N. American boil with impatience to be subjected to the delays of these people.

I have had many good things from Patten, of whom you speak. He never sends anything that is poor; & he prints very fine botanical labels. Prof. Porter, of whom you also speak, is also a capital botanist & correspondent. I met him several times in N.Y. For a botanist of the former generation, he is a wide-awake & lively man. I am glad to hear of him.

I fully reciprocate the feelings of Coulter about doing up the Potamogetons for the Museum in my absence. The Naiadaceae are my peculiar sphere, & I am pretty sure that I shall have to

Princeton Jan 46. 18~~89~~<sup>90</sup>.

Dear friend, I am extremely  
glad to get your letter from you  
before leaving New York. Yours of Nov. 17  
informed me that nothing for me was  
packing up my things for on my way  
lay<sup>d</sup> half up the hill now, & I wish  
that you would come to see me to  
be <sup>several months</sup> for I should not see you  
again to write you again for that  
time. So with a well-wish  
ing of 20 more, I follow William  
Loomis & family. Hope to have you  
see us. Please when you are for me  
in vicinity of Walling, & there lay  
down to O'Connell.

Please communicate to Prof. Dr. H.  
thinking that for that I have a good  
a great box of books & papers in  
my last box & specimens of them of the  
of Dr. Weston which will have been  
Jan. 10<sup>th</sup> & should make the  
state in 3 or 4 months.

Also tell her the time, the date as it is  
Jan 20, 3, but not the number of  
lines and so on. Write number of  
lines and so on in it. The number  
one and so on in it. The number  
one and so on in it.

Please believe that I would like to  
know in any way, the date as  
you are in it. I will be a very patient  
and I will be a very patient  
and I will be a very patient.  
Please see with my eyes and  
what I want to keep of my mind  
and I will be a very patient  
and I will be a very patient.  
I shall have them sent in some  
time of the year of return  
but I find that my eyes  
are not so good, but the  
same thing in my manipulation,  
in fact in the envelope. The  
good photographs have a  
He says that this particular  
negative will work just  
fine in printing, he thinks.  
Excuse my writing, as I am in a hurry.  
Yours truly,  
Wm. H. Hall

find a pile of letters from you & others. Of course, I shall get no more here, & it will be a long, dreary time before I know anything about home affairs.

I am quite anxious to get away from Paraguay, as we are threatened with a revolution here, & you know what a bloody thing a revolution is in So. America. All foreigners would go to the wall at once, as the people dislike & suspect them. The opposition to the present Government is very strong, & inflammatory appeals in the opposition newspapers of Asuncion are quite numerous & violent. The only idea which the people have of a change in the Gov. is by force - & elements of dissatisfaction & discord are rapidly accumulating here. So I urge my commander of the Pilcomayo exped. to get away as soon as possible. I have closed up my <sup>Crystal</sup> Paraguayan work, & got off all my collections to the States, except one box. They are safe, therefore, whatever comes to pass. In the Argentine Republic, they are also in a great flurry financially & many mercantile failures are reported there. Gold had, at the last accounts, gone up to \$2.81, worse than it was in the worst days of our civil war. I am told that



in consequence many of the poor people are  
suffering badly, as the cost of provisions has  
gone up enormously. This state of things has  
come about, apparently, by the enormous over-  
issue of paper money by the Government banks,  
& the drainage of gold from the country to pay  
foreign creditors. I want much, therefore,  
to escape from Paraguay & the Arg. Rep. into  
Chile where things are more stationary and  
substantial. Still, we hope that the crisis  
political in Paraguay & the crisis financial  
in Argentina will pass by without revolutions  
& popular disturbances. The foreigners here,  
however, are much alarmed, & await the  
issue with much anxiety. Paraguay has been at  
peace internally & externally since the Lopez war which  
ended in 1869, & has been slowly recovering from her  
terrible losses in that war. If her people are foolish en-  
ough now to plunge into a revolution, it will put back  
her progress for 10 years at least. I sincerely hope that  
the next Presidential election, which occurs a year from  
next March, will pass over peacefully, but present ap-  
pearances indicate a revolution of more or less magni-  
tude. I know that the present Govt. is arming it-  
self & taking other precautions, but the great question  
is which way will the soldiers go? & they are as  
likely to go against the Govt. as with it. There can  
be? — Don't have any fears for me, however,  
as I am likely to be away from here in a few weeks  
at farthest. Glad to hear of Mrs. B's continued im-  
provement in health. With kind regards to her  
I am very cordially yours  
Thomas Thoray.

Career.

Many kind regards to Mrs L.  
& other inquiring friends at Cambridge  
& elsewhere.

Hope to see you in due time -  
Meanwhile God bless you, keep you  
well, cheerful & happy.

Yours as ever with undiminished love.

Thomas Mooney.

Pilcomayo River, 83 leagues from  
Asuncion, March 2, 1890.

Dear Isaac.

Chance has afforded me an opportunity to drop you a line from this great wilderness. We have been detained at this point for nearly a month waiting for rain & high water, unable to go ahead or to return with the steamer. It proves to be an exceptionally dry season, and the water in the Pilcomayo is not over a foot in depth on the average, & besides the bed is choked up with old logs & snags, so that we need at least two feet of water on the average before we can proceed. How long we may have to wait here, & how much longer the voyage will prove to be it is impossible to say. In the mean time our provisions are running short, & we are obliged to send a canoe back to Asuncion for a new supply. That will take a month to go down & return, at least. By it I send this note, as well as letters to my wife & Bittern, to be posted in Asuncion, which I hope

will get through safely in due time.

I cannot give you many details of the voyage, at present, as I write in a great hurry, & to-morrow at the same time by magnitos, large & small, great & small - but then the head of a pin but with a sting as sharp as a needle, & biting flies of various kinds, all of which swarm here by the myriad, & under life intolerable. In other respects the voyage is really delightful. My health is capital, my appetite voracious, my ability to work unimpaired. I estimate that I have collected some 90 species of plant since entering the river, & some 1000 specimens, the most of which are rare & valuable, so far as I can judge. One Naiad, at least, I have got here, a *Rubbia* which abounds, in the bed of this salt river. It seems much like *R. martinica*, tho' not exactly the same. One *Palma* (*Palma nigra*) is very common on the banks, & multitudes of other shrubs & trees which form a dense growth on both

shores of the river. *Hulacous* plants are not numerous, but vines & shrubs are infinite in number.

But I shall have to tell you about these things some other time.

Mean time, all I can say is that I am in good health & spirits, ready to encounter any perils that may await us. As soon as I return to Asuncion, which I think will not be longer than two or three months hence, I shall pack up and start for Chili, going round from B. Aires to Valparaiso by steamer - then after a short visit to my brother, away for dear old Boston. You might venture to send a letter for me to care of our U.S. Consul, Baker in B. Aires. Very likely there will be time for it to reach there before I do. Don't send to the U.S. ministers as before. Baker is better. At all events, you will have sent your monthly wishes to Chili.

I must say goodbye abruptly, as I have no more time, & can stand the swarming mosquitoes & gnats no

voyage upwards but to send them & there,  
& we had not got more than half the supposed  
land distance between Asuncion & Bolivia.

So we started back again - down the rapids,  
around the falls & through the mags, but  
thanks to high water did in one month's  
time what we had been over 4 months in  
before accomplishing while ascending the  
river. Our Indian & hunting adventures

I shall have to tell you about another  
time. Botanically, I have ~~had~~ made  
a rich haul. I think - some 2000 or 2500  
specimens & 200 new species, in a land  
never botanized over before, & where no  
live Yankee had ever been before me. I  
only wait in Asuncion now to arrange  
the specimens, box them up, & ship them for  
the States, when I shall start for Chile  
via B. Aires & the Straits of Magellan -  
& then ho! for home. Have been well all  
the time, with a ravenous appetite, my  
skin toughened by sun, & bites of mosquitoes,  
gnats & 4 kinds of vicious flies.

With many kind regards to Mrs. L. & thanks for  
all your literary favors, I am  
Yours most cordially, Thomas Murray.

Asuncion, Paraguay June 18, 1850

My dear Deane

Got to Asuncion last night about 7  
P.M. in a pelting rain & strong South wind  
(here the winter greater for winds) which  
drove the waves over the low sides of our  
steamer as we came up <sup>the Paraguay river</sup> from the mouth  
of the Pilcomayo, some 3 leagues or so.

It was a cool & wet reception for tired  
voyagers, but we were heartily glad to get  
back again.

I have before me your  
last (I suppose) three letters, two of them  
sent to Chile, of dates Feb. 2 & Apr. 23,  
which have been forwarded one by my brother,  
& one of date Mar. 2, in which you  
acknowledge receipt of the one which I  
wrote you in the head of the Chaco vil-  
lages. When the canoe which we had  
sent back to Asuncion for provisions re-  
turned, which was not under 2 months from  
the time she left us, she brought me a  
great batch of letters, two of which, I think,  
were from you. Your birthday card was  
none the less acceptable that it did not ~~at~~

nach me until nearly 2 months after my birthday. I am afraid that the good wish inscribed upon it, "Many happy returns of the day" can hardly be fulfilled in my case, as I am getting along into the mire of life.

We have had quite an adventurous voyage. I can assure you, that we did not get up into Bolivia, as we hoped & expected to do when we started. As it turned out, the Pilcomayo river was very low, & stayed low till near the very end of our voyage. The low water exposed every old Inca's tree that had ever fallen into the river, & we had to cut, saw & dig our way thro' innumerable snags, sawyers & fallen logs, sometimes having to spend half a day in going a quarter of a mile. Again we had hard clay & sand bars over which we had literally to drag the steamer with rope & tackle. Then the water became so shallow that we had to wait a week or more, & once about 3 months (the time I wrote you) for the water to rise again. After getting our stock of provisions renewed, we pushed on, & several leagues further

up the river encountered 6 or 8 fierce rapids, up which it required all our steam & rope power to go, & several leagues beyond there we came upon a cataract of which nobody had ever heard, with a fall of 5 or 6 feet of water, & steep banks 15 or 20 feet high each side of it. At first we thought this a "thumper" but finally we dug away an ascending plane on one side, & actually pulled the steamer, weighing 5 or 6 tons, up the falls by land. Then in several leagues farther, we came upon still worse rapids, & finally found ourselves lost in an immense lagoon, some 20 or 30 leagues long & a league ~~wide~~ wide, into which the river spread. This was all overgrown with such a thick mat of reeds, grasses & other vegetation that it was impossible to force the steamer through it, & we had to stop our steaming there & there. The commander, with one half of our party pushed on several leagues farther in the canoes, when they, too, had to stop, the obstructions were so bad. Our

to see a revolution break out at any time.  
Although that would only make matters ten-  
fold worse. To add to the trouble several  
army officers have just been arrested & thrown  
into prison, charged with making a conspiracy  
against the Government. I don't know how  
it is all going out. Paraguay & even  
Montevideo also look threatening, owing to  
misgovernment & financial distress.

We hear, too, that the labor troubles are very  
bad at Valparaiso. Only day before yester-  
day some riots occurred in that city,  
many shops & houses were pillaged by  
the mob, many of the rioters were shot  
down by the shopkeepers in defence of their  
property, & the Government were obliged  
to call in troops to quell the riot. Nearly  
a thousand persons have been arrested, the  
papers say. Truly, these South American  
states all seem to be in a tempestuous state.

I shall be truly glad when I get under the  
folds of the stars & stripes once more.  
You shall hear from me again when I reach Val-  
paraiso. With kind regards to Mrs. Dean  
I am yours as ever  
Thomas Morgan.

Buenos Aires July 25, 1890  
Dear friend

As I have reached this city  
on my way home, you may like to have a  
note from me respecting progress. I wrote  
to you from Asuncion immediately after  
my return from the Pilcomayo Expedition,  
& told you of the results of the voyage.  
I got your letter in answer to mine from  
the heart of the Chaco wilderness. I had  
to spend about a month in Asuncion  
in order to sort and box the Pilcomayo  
collections which filled 5 boxes, all  
of which I have brought to Paris, and  
delivered to Messrs. Hale & Co., forwarding  
agents of the Smithsonian. They will  
probably reach New York about the time  
I do myself, and I hope that I shall  
have the pleasure of opening them myself  
in that city at the Columbia College  
Herbarium. I think that they will  
prove a very rich collection, although  
they only number some 225 species, the  
grasses & the lichens especially are ex-

dryly good, none of which have I ever seen before. Of course, some of them will prove to be the same or nearly the same as plants gathered in other parts of Paraguay, all of which I could not remember, and doubtless some of them are already described in botanical works, but at least one half should be entirely new.

I am now anxious to set out for Chili as soon as possible, but I am obliged to go through the Straits of Magellan by steam-er, & there is no steamer leaving before the 6<sup>th</sup> or 12<sup>th</sup> of August, so that I am compelled to wait here against my will. I shall get off to Valparaiso just as soon as I can. I have nothing to do in Buenos Aires but loaf about, & have no love for the place or the climate, as it is at the present time, cold, wet & dreary. In the winter time B. Aires has the most disagreeable kind of weather, rainy, windy & chilly. This winter they have even had several inches of ice on the lagoons & mud puddles. As the people

(all except a few foreign residents) never think of having fires in their houses, you can imagine how uncomfortable it is.

I have to keep on my overcoat out of doors & in doors all the time, & am not warm at that. Indeed, I have not been warm since I arrived here, except when wrapped up in blankets in bed.

In addition to this they are seriously threatened with a revolution in this country. Gold is selling for \$3.10 on the paper dollar, & is soon expected to go up to 4.00. Business is terribly disturbed. Hundreds of men are out of employment. The Government is terribly mismanaged, & every body is down upon it. The President is obliged to keep a hundred armed policemen about his home for fear of being assassinated; & all the officials of the Government are accused of being plunderers and jobbers. There is no doubt that there is a widespread dissatisfaction with the state of things here, & I should not be surprised

Bairns Aug. 9. 1890.

Mr Walter Deane

Dear friend

Fearing that my second letter to you from this place may not have been supposed to clear in the midst of the revolution which has been going on here. I write again. We have had a regular time of it, & the city has been under martial law, or "siege" as they term it here, for the last 10 days. Terrible fighting for four or five days occurred in the streets between the insurrectionists & the Government forces, & it is supposed that nearly 1000 persons have been killed & as many wounded. The rebel gunboats in the harbor shelled the city for two days, a scene which I witnessed from my window which looks out upon the harbor. Every explosion of the heavy guns shook the house in which I am staying. Fortunately they were not burned



in my direction, & nobody has been hurt  
in this part of the city.

The Govt succeeded in suppressing the  
revolution in five or six days, but  
not in satisfying the people, with whom  
Francisco Salmeron, the President of the  
Republic is very unpopular, & on whose  
head all the mismanagement of public  
affairs & the high price of gold (\$3.08 on  
the paper dollar) are laid. Everybody,  
even his own friends, turned against him  
after the insurrection was over, & he  
has been compelled to resign. Consequently  
the whole city has been wild with joy,  
& yesterday & the day before the most  
enthusiastic popular rejoicings occurred  
all over B. Aires.

Now that the embargo on the  
mails has been taken off, & the  
"siege" raised, I may hope that  
this letter will go forward.

I am expecting to leave here for Montevideo  
Friday Aug. 14, & to start the next  
day for Valparaiso by the German

steamer of the Kosmos line, I hope to  
reach Valparaiso in <sup>steamer Neko.</sup> 15 days afterwards,  
& after a brief visit to my brother to  
start for home by way of Panama.  
Provided, permitting, I hope to shake  
hands with you on or before the first  
of Nov. next. Let there be any  
rate by Thanksgiving.

Please inform Mr Kennedy that  
I have written to him from this city.  
His letter, however, may have been em-  
bargoed, though I hope not.

With kind regards to Mrs Beane  
I am very cordially yours  
Thomas Mann.

P.S. One more letter from you &  
Caldera would probably make me be-  
fore I leave for home.

has so few ships in these waters, w. for that matter, in any foreign seas, than two such fine vessels as this one (the "St. Mary") & the Magellan, one of Hemmway's ships, took down here in the same month. Our flag is the richest of all flags seen in a So. American port. I have not seen it from a most head in these waters but twice in all my travels, & that was once upon the vessel ~~from~~ which I came from Boston, & the other upon one of our naval vessels at Buenos Aires. I heard of one or two American ships at Rosario, on the Parana river, one at Buenos Aires, & one at Montevideo when I was in those parts, but did not see them, while thousands of craft from all other countries in Europe are there. How has Duquesne fallen from his high place!

From the Falkland Islands ~~was~~ went to the straits of Magellan, through which we passed on our way to Valparaiso, having a rough & dangerous passage across against a gale of wind, not making four miles an hour the whole distance, sometimes not over one, & were being driven back one or two

Valparaiso Sept. 8. 1890

My dear Drane

We reached this place yesterday afternoon, after a tedious & rough passage from Montevideo. We have had very bad weather, heavy ~~to~~ seas & strong gales of head winds all the way, so that I was sick enough of the ocean to be quite willing to get ashore. The Pacific ocean has proved to be anything but pacific in our case, at least. However we had a good staunch steamer, very courteous & obliging officers, good rooms & the best of table fare, so that the voyage was on the whole very pleasant indeed. The vessel, if we except the tremendous pitching & rolling & occasional breakers over the decks to which we were subjected. I had the opportunity, which I should not have had by any other line, of a visit to the Falkland Islands, to which the Rosmos line of steamers carries the mails from England on her way from Hamburg to the west Pacific coast. This group of

islands, way down in the Southern Atlantic, is exceedingly interesting not only to the common traveller, but also to a scientist, on many accounts. Not a tree is to be seen upon them, while the inhabitants attribute to the strong winds which prevail over them at all seasons of the year. They are made up of volcanic rocks which stand up in sharp pinnacles, & columns & jagged peaks, with beds of peat and grass flats in the hollows between them, upon which many flocks of sheep manage to pick up a living. The inhabitants are mostly English farmers, who make a fine, profitable business out of sheep raising, & produce & export a good deal of wool. It being winter time, there was little to collect botanically, but I managed to collect a number of mosses & lichens, both of which are quite abundant, as well as ~~the~~ a small creeping plant, something of the *Arctostaphylos* order, which bears a small red berry, but now not in bloom. Large patches of this are seen everywhere on the islands. If you have never read Darwin's voyage in

the *Beagle*, get it & look it over, & you will be interested in his description of these remote islands. On our way out of Port Stanley, the principal port, we put round the island in the hope of procuring an American bark which had gone ashore on the rocks a week before we arrived. The crew were all saved, but the Captain had died of worry & excitement just after his vessel struck the rocks. The poor thing looked melancholy enough as she lay on her beam ends, with every surf wave splashing over her. She was built in Bath, Me., and launched only last May, this being her first & last voyage. Her cargo, intended for San Francisco, was very valuable, & the vessel estimated, even after the wreck, to be worth \$250,000. It was impossible for us to drag her off, however, as she was completely bilged, & jammed down solid upon the rocks. Probably she will soon go to pieces & her cargo will cover the shore for miles along the coast, a good thing for the wreckers, perhaps, but an unfortunate thing for the owners & underwriters. It does seem hard for our country, which

miles at the mouth of the straits, & that for a heavy iron screw steamer is carrying a good deal. We landed at the only port in the straits, called Punta Arenas, in a thick fog, in which we came near going aground. This place belongs to Chili, & has a small Chilean garrison stationed in it. I did not go on shore, as the ground was covered with snow though I longed to investigate the masses & lakes, which are celebrated in these straits. Here we took a French ship in tow which had been driven in from the Pacific by stress of weather, & which could not get back again. How she crept the shoals & rocks of these crooked straits, our Captain could not imagine, but she had done so almost miraculously. It cost her Capt. £450 to get back into the Pacific again, & by that good chance for him but mischance for me, I lost the opportunity of going through Smyth's channel, which we should otherwise have done, & upon which I had reckoned greatly. This channel is a narrow passage

among innumerable small islands, where we should  
have been compelled to anchor every night, & where I  
should doubtless have had many opportunities of botan-  
icizing on shore, as well as of seeing some fine scenery  
Still the passage through the ~~passage~~ <sup>narrow</sup> channel,  
the peculiar cliffs & crags which line the coast  
on both sides was very unique & interesting.

We then went up the coast stopping at Corral,  
the sea port of Valdivia, Dofra (near Curruco)  
and Talcahuano, all of which places exhibit  
the fine scenery of the coast cordilleras. The  
clouds were too thick to see the lofty mountains  
of the more distant Andes, but from Valpa-  
raiso, I have caught occasional glimpses of  
El Reencagua, through rifts in the clouds.  
I am hoping to spend a day or two in Santiago  
when I shall make a closer acquaintance with  
this grand mountain, the highest peak of the Andes.

I had telegraphed to my brother en route, & he  
came off to the steamer as soon as we anchored,  
much to my joy. 40 years of separation has  
made a great change in both of us, but we knew  
each other at once. He is in admirable health -  
much stouter than I, with scarcely any gray  
hairs on his head, tho' only 2 years younger than  
myself. He brought me a great pile of letters,  
among others 3 from you of dates Mar. 25,  
May 30 & June 29, all of which I have  
read with great interest. I shall be obliged  
to spend a month with my brother, I suppose, after  
which I hope to start for home by way of Panama,  
hoping to meet you by Thanksgiving time. - with many  
kind regards to Mrs. Mason. I am as ever yours  
Thomas Moray.

Caldera, Chili. Sept. 30. 1890

Mr Walter Brown

Dear friend,

By a nice way, that

I am expecting to see you for Brown on  
Oct. 11, by steamer Imperial, Capt.  
Wheat, an American - One at Valparaiso  
Oct. 28. Shall come by way of New  
Orleans, where I expect to be by Nov. 6<sup>th</sup>  
If you get this letter in season, I have  
time to write so as to reach that city  
by that date. I will probably answer  
your letter, as I shall be in at the  
office. But I shall not stop at  
New Orleans. Shall convey me to New  
York as fast as possible.

Am having a fine time here in tramp-  
ing over the desert of Atacama in search of  
plants, many species of which are peculiar  
to that region. I am also collecting  
insects - and among the rocks

9. I had this I might call some  
200 or more of. Think it is the best  
I could do. Strange, but it is  
a doubt should find many possessing it.

Have had experience of another  
kind of, viz. the cutaneous - and other  
sorts of eruptions - which the humidity  
& heat in all better abates with the heat.  
It was had only at Coahuila, 50 miles from  
here, to the westward of some hills, & it is  
all the people a bad shaking up.

Am going up to Coahuila today & will  
remain & his family - shall stay there several  
days & to lounge all I can.

Since reaching my brother here had your  
last two letters, written at Jaffrey, come to  
hand.

Your letters have all been a great  
comfort to me. & I thank you much for  
your kind, genial & constant correspondence.  
We still kindly receive any letter from B. Piers.  
I got out of that country just in time to escape  
a great commotion than the city revolution, as  
which seems to be spreading all over the Kingdom.  
With kind regards to Mrs. Brown  
I am, sincerely yours  
Thomas Stirling.

Washington, D.C. Oct. 10, 1885

I received your letter saying that I have stood my place until the end of autumn. I shall not leave here until Oct. 25, the week later than I had expected which will bring me to N.O. leaves at corresponding date. I have visited Cuba & looked after the mine & the fields & upon the fine gardens which are made by irrigation in the valley of the Cidra. I have collected many strange & new land plants.

Write or instruct to form & article Magazine. I am a strong supporter of the scientific work. My friends here would like to keep me in the country & I should like to do so. I consider to make a public collection of this interesting country, sand, shells & birds, which will be all disappeared in a winter more. I have called for my return.

A letter which you might send to N.O. leaves by Nov. 18<sup>th</sup> would probably just hit me. I send you a clipping



from a letter. Said, John, published at Gettysburg  
called "El Altavoz", which if you  
will, you will see some things in a  
rather fair state of order.

Yours as ever

Thomas Moore

Your last letter, of date Aug. 26, has just  
come to hand. In return, it can be said  
since

cipios de tolerancia.

El doctor **Thomas Morong**—Ha llegado a esta ciudad el doctor señor Thomas Morong, deudo inmediato del señor Juan T. Morong, comerciante de esta plaza.

El doctor Morong es ya anciano, i pertenece al Instituto Smithsonian, institucion que lo ha comisionado para hacer estudios botánicos en los paises sud-americanos.

Ha permanecido, entre otros pueblos, en Paraguay, recorriendo hasta los límites de Bolivia.

Con otros compañeros, navegando en el rio Pilcomayo, pudo llegar hasta territorios inexplorados, en donde puso término a su viaje, ya porque los indios que poblaban esas rejiones se lo impidieron, ya porque los elementos que llevaba consigo no le permitian luchar con obstáculos verdaderamente insuperables.

No obstante, hizo allí algunos estudios relativos a un ferrocarril, el cual, partiendo de Sucre se internaría al territorio paraguayo.

De ese modo los bolivianos tendrian una salida mas para sus productos nacionales.

El señor Morong, hasta hoi, ha enviado al Instituto mas de 20 mil muestras de plantas.

Al arribar a Chile se encontró con el señor Philippi, caballero que ha reconocido la importancia de sus estudios.

En Caldera ha permanecido el señor Morong cerca de dos meses, habiendo recorrido los llanos que se estienden mas allá de Monte Amargo, en donde ha encontrado plantas que han llamado mucho su atencion.

Estas, como todos los naturales de Copiapó sabemos, nacen solo a influyo de las lluvias, conservándose en buen estado los semillas, en épocas de sequedad, hasta cinco i mas años.

En Copiapó estará el señor Morong solo unas dos semanas, i en seguida se trasladará al norte.

Damos la bienvenida, al señor Morong, deseándole a la vez toda clase de facilidades en sus estudios, estudios que realiza no solo por cuenta de la institucion a que pertenece, sino tambien por amor a la ciencia.

Limón, Hai

Caldera Oct. 17. 1890

Mr Walter Deane

Dear friend. I wrote you  
last week that I should have been for  
home on the 25<sup>th</sup> a week from tomorrow  
& should come by way of N. Orleans. I am  
writing to say that I may, after all, be  
obliged to come from the Isthmus direct  
to N York by steamer. We cannot learn  
definitely till we reach Panama.

So if by the time you receive this you  
have not dispatched a letter to N Orleans,  
you had better not do so, unless you enclose  
the Postmaster in the envelope to return  
it if not called for in a specified time.

Leave Caldera in steamer Massachusetts,  
Oct. 25. Hope to be in Boston at Thank-  
sgiving. Kind regards to Mrs &  
Yours in haste.

Thomas Henry

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TBC: E. KERT, General Manager.

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*332*

NUMBER

SENT BY

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CHECK

*105* *TR* *60* *13* *2d*

Received at

*New York 25* *Nov 25* *189*

Dated

To

*Walter Dean*

*9 Brewster Place*

*shall be in Boston on*  
*Thursday next for a week*

*Call on White*

*Thomas Morgan*  
*Morgan*

Stewart &

For many years preceding 1888, Dr. Thomas  
Ingraham was a familiar figure to the botanists  
of eastern Massachusetts. He was an enthusiastic  
collector of our flowering plants and the higher  
cryptogams, <sup>and his floristic ~~work~~ <sup>was his specialty</sup></sup> and his pet family upon which  
he lavished his greatest attention was the  
Utriculariaceae; (Sketch of his life of 1888)

~~Statement~~ of his proposed journey.

Letters - (Sent articles to Tom Bull (1888 & 1889)  
& Bot. Soc. (1888)).

Return - Curatorship of Columbia Herb.

Publications (Utriculariaceae of North America)  
(Enumeration of Paraguay Plants)  
(Tom Bull & Bot. Soc.)

Illness & death.

---

April 3, 1888

Get letters 15  
for a  
rather splendid  
chick

Letters of Thomas

- 1888 October 10 All (General with 30)
- .. December 28 pp. 3, 4, 5, 6, 7, 1/2 8. (1/2 8)
- 1889 March 8 3, 4 (150 m. Trip)
- .. May 26 4, 1/2 5 (~~Collection~~  
Tribute analysis  
Acquisition of material)
- .. July 26 4, 5, 6 (M. T.)
- 1890 March 2 1, 2 (Pilemays River)
- .. June 18 2, 3, 1/2 4. (R. V.)
- .. August 9. 1, 2 (B. Area)
- .. September 8 (all of possible) (V. Area)
- .. October 10 1. (Calder)

In Summary of Plants of Pilemays  
83 new sp. + var. 11 named for T. Mayr.  
854 sp. + var. in the work.

If you would like  
to send a letter  
to the  
be drawing and

parts of letters

May 20 1889 1/4 + 1/2

July 26 1889 1/4 + 5/6

Rec. Thos. Moran's Letter to W. Deane.  
received at Cambridge

Oct. 10-1888- received Nov. 19, ack'd'y mine dated, Aug 25-1888.

Dec. 28. " " Feb. 11, " " " Sept. 28-1888

Mar. 8-1889 " Apr. 26. " " Dec. 23. '88  
says that he has 4 from me, so either my letter  
of Oct. 21 or Nov. 23, never reached him.  
Probably one of his letters between Dec. 28 & Mar 8 miscarried.

Apr. 5 & 12 (one letter) received May 27, ack'd'y mine dated Feb. 1-1889.

Apr. 20- " " June 8- " " " Mar. 3-1889.

May 26. " " July 10 at Jaffrey N.H. " " Sept. 3-1889  
It reached Camb. Mass. July 9. " " "

July 1 " " Aug. 19 at Jaffrey N.H. " " May 5-1889.  
It reached Camb. Mass. Aug. 18 -

July 26 " " Aug. 31 at Jaffrey N.H. " " May 24-1889.  
It reached Camb. Mass. Aug 31. " " "

Aug. 1 " " Sept. 14 " " June 9-1889

Oct. 5 " " Nov. 15 " " July 13-1889  
In the Nov 15 letter he says that  
when he wrote Oct 5 he had got  
his letter from Jaffrey so that  
acknowledges my letter Aug 22.

Nov. 1 " " Dec. 12 " " Sept. 15-1889.







July 27-1890 acknowledging a letter from him dated June 18-1890.

Aug. 26 "

Nov. 14 - (to Mrs. Adams) - " - " - July 25 - Aug. 9 - Sept. 8-30, Oct. 10.

Dr. Thos. Mann left  
Boston in N. America  
in July 1888, under  
the auspices of the  
Trinity Botanical Club.  
He wrote me constantly.  
All his letters are  
filed here -

He reached Boston  
on the morning of  
Nov. 27<sup>th</sup> 1890 and  
went directly to  
his son's house at  
755 Tremont St.

I called on him this  
at noon and we  
had a delightful  
talk. He is well  
and in good spirits.  
He has accepted  
the position of  
Curator of the Co-  
lumbia College  
Herbarium.

Nov. 27-1890

Walter Douse.

COLUMBIA COLLEGE HERBARIUM.

NEW YORK, Dec. 22 1890

Mr Walter Deane

Dear friend

Yours of Dec. 18 came  
to hand in due course of mail, & found  
me well, established & at work in my  
new position.

I find that in addition to my care  
as curator of the Herbarium, I shall  
have to teach one or two botanical classes  
in Barnard College, the "pistillate" and  
my of Columbia. Also shall have  
full as much writing to attend to as I  
can find time ~~to attend to~~ - Among others  
Prof. Bailey wishes me constantly to  
write for the American Garden, & I have  
agreed to it.

Just now, I have been staying all my

resources, mental + physical, in the effort  
to resist a prodigious cold which has at-  
tacked me in regular blizzard fashion, in  
throat, nose, vocal organs, upper part of the  
head & all through my limbs. Our delight-  
ful climate seems bound to make up for  
my escape from its attentions for the last  
two years.

I am coming to Boston next Wednes-  
day & shall stay with my friends at  
755 Newark St. till the next Monday  
noon. Shall I see you in the interval?  
Be happy to do so if I can.

On Monday am to go up to Chelsea &  
to talk to the people in the evening about  
my trip to our Southern Continent.

I hope that Mrs Dean is as well as u-  
sual. Please give her my kind regards.

Very cordially yours

Thomas Morong.

COLUMBIA COLLEGE HERBARIUM.

NEW YORK, Jan 30 1894

Mr Walter Dean  
Dear friend

I believe it is about an usual time for correspondence, is it not? My time is so well, or, rather, thoroughly occupied now that I am forced to forego many of my old occupations, and among other things I find myself neglecting correspondence with old friends. I have had it on my mind repeatedly to tell you why the box of letters of which I spoke to you was not sent from Ashland as I promised. The fact is that it was so bitterly cold at the time I visited Ashland and superintended the removal of my Herbarium that I could not



hunt among my things for the box of  
letters. I had 34 cans to get down out of  
a cold room and to nail up the doors, put  
boards on them all, & get them carted to  
the railway station, while the thermometer  
marked three degrees below zero. But no  
matter, I shall get at it in warm weather  
and redeem my promise.

Have been hard at work at various things.  
Have written two long articles for Bailey,  
one for the 'Bulletin', and another on  
Chrysanthemum for an Ence. - besides  
teaching two classes at Barnard college  
weekly - with about 2000 So. American  
species to identify, sort out and prepare  
for distribution. We have about finished  
the Atacama plants, and got the Central  
Paraguay plants sorted into Orders. The Pileo-  
mazo plants have only been taken out of  
the boxes so far. So you see my hands are  
pretty full, & I shall not die of idleness,  
if any body ever dies of that disease.

Kindest regards to Mrs Deane  
Very cordially yours  
Thomas Morong.

New York, March 5 1891

My dear friend

I hope you will not omit the customary letter which I have been receiving from you monthly for the last 2½ years, under the idea that now I am at home & will not value your correspondence so much. Indeed, I feel as though I knew as little about Cambridge and botany there now as I did when in S. America. So you perceive that your notes would be about as fresh as though I were still abroad.

We are going along here about as ever. My So. Am. collections are gradually getting into shape. We have distributed the Atacaman things, the completest set being some 165 species & only

one or two of them being new, but  
all of them (or nearly all) very rare.  
Many of the Paraguay plants will have  
to be sent for identification to Kew,  
whether Dr Britton will go in a couple  
of months.

I have recently had a letter from  
a correspondent in England, a botanist -  
Potamogetonist - who has been reading  
"Walden" by Thoreau, and wants to know if  
I can get him a specimen of Potamogeton  
from Walden pond, in memory of Thoreau.  
I believe that Thoreau makes mention of  
a Potamogeton found in Walden pond. Can  
you not, through Mr Hoar, if not of  
yourself, contrive to gratify this lover  
of Thoreau & Potamogetons? If you  
can, please do so. - Mrs Britton has  
informed Mr Beane about the submerged leaves  
of Juncus militaris, I believe, so that I need  
not again speak of them. I have often gathered  
them. With kind regards to Mrs Beane,  
I am very cordially yours  
Thomas Moore.

By the way, I am working a  
special study of Haloragaceae - Have  
you any curious forms of *Callitriche*,  
*Myriophyllum*, *Rosularia* or *Hippuris*  
that need attention, or will be likely  
to aid my work? If so, please  
loan me the specimens for exam-  
ination. Have you ever made  
a careful examination of *C. verna*, &  
*C. heterophylla*, their differences, &  
their terrestrial forms; & can  
you tell me anything of their  
range in Mass.? I used  
to find both of them in Ashland,  
if I am not mistaken, but I am  
inclined to think that *C. verna*  
is more common northward, & *C.*  
*heterophylla* more common southward.

New York, March 18 1891

My dear Mr Deane

Accept my thanks for your pleasant little story of the N. England orchids in the Am. Garden. Much of it reminds me of my own rambles in their haunts during past years, and makes me long to go over the same grounds again.

I wonder how you managed to get your article into the Garden. Two of mine have been waiting in vain for admission, one of them since Dec. last. Bailey was here a few days since, & he

told me that he had a year's stock  
of material on hand, & some of it  
he should probably never print.

The Magazine seems to improve in  
character. The first number of it which  
I had, seemed to be made up of foo-  
lish stuff written by half & half garden-  
ers & farmers, & sentimental dairymen  
& the like, but since that there has  
been a marked improvement. Probably  
Bailey has to accept a good deal of rubbishy  
material written by subscribers & which  
he cannot reject without giving offence.

Received your last two letters in due  
course of mail.

Please give kind regards to your wife  
and believe me as ever

Yours most cordially

Thomas Morong.

New York, . . . April 29 . . . 1891

Dear Deane

I am expecting to come  
on to Boston next Saturday night.  
I shall be at the Herbarium in  
Cambridge all day on Monday,  
May 4. If not inconvenient,  
come round in the afternoon  
when you are at leisure.

Very cordially yours

Thomas Morong.

New York, May 7 1891

Dear friend

Your notes have both  
reached me, the first sent to 755  
Broadway St. late Tuesday afternoon,  
and the other this morning at the  
Herbarium when I arrived here, having  
been sent on by Mr. Watson.

I left Boston Wednesday morning  
as early as 7 o'clock A.M., as I had  
much to do in Ashland, so I have  
had no time to write you hitherto.

I was very sorry not to see you,  
but I had no doubt that you had  
good reason for not putting in an  
appearance at the Herbarium in



Cambridge. I staid there till nearly  
6 o'c. P.M., had at work in Halora-  
pae. I should then have run around  
to your house for a moment, but  
I supposed by not seeing or hearing  
from you that you would be absent,  
or that some member of your family  
might be sick. However, better luck  
next time.

At Akeley yesterday I found the  
box of botanical letters of which I spoke,  
& which you said you would like,  
Had it marked with your address,  
and ordered to be sent to Cambridge by  
express. Probably you will have  
to destroy the greater part of the letters,  
which please do after selecting what  
you want. They are of no use to me.

Very cordially yours

Thomas Morang,

New York, May 11 1891

My dear Mr Beane

Mrs Britton is so anxious to have a copy of that photograph which I sent you from Arcum = cine of my noble self, that I feel obliged to gratify her wish. I found on my recent visit to Boston that all the copies which you gave me had disappeared, either consumed by fire or given away. At all events they were not to be recovered; and the only way in which I can get one for Mrs B. is to have a new negative taken from you

picture, and a new ~~copy~~ print  
struck off. Can you accomplish  
this for me? If you can, I  
shall be ever so much obliged.

Let me know the cost of doing it,  
and I will send you the neces-  
sary sum. Of course, in case  
it can be done (as I suppose  
without doubt it can be) you  
will please send the picture to  
me & say nothing to Mrs B. - as  
I will surprise her with its ap-  
pearance. Or to Mrs B. leave for  
Europe about the middle of June,  
and I should like the photograph  
as soon as it can be made.

With kind regards to Mrs Beane,

I am very truly yours,

Thomas Moray

When do you go for an outing this season?

New York, May 15 1891

Dear friend

Yours of May 13<sup>th</sup> reached me yesterday. Many thanks for your response to my application for the portrait. I think now that it will be better for you to send it on to me & let me have the copy taken here, if you have no objection to lending it. I will return it to you as soon as it has been copied.

I don't suppose the work will be done any cheaper here than in Boston, but I should like to visit a photographer for another purpose,

and can manage the payment  
more easily than by sending small  
checks to trouble you.

Glad you got the box of letters.  
Hope you have found in it something  
of interest.

With kind regards to Mrs S.  
I am very truly yours,

Thomas Morang

Herbarium, Columbia College, June 19, 1891,

My dear Mr Deane

Have you any specimens left of the Sagittaria named S. tenuis by Mr Watson in the new Manual? I wish to get some which show the "rare narrow blade", of which he speaks, and also to see the fruit, which our specimens do not exhibit. I see he quotes you as authority for its having been found at Hyannis, Mass., & so suppose you may have some spare specimens. If you can do us more than send me a few specimens of the seeds, please do that much.

We have had information from the Steamship Co, Anchor Line, that the Furberia in which the Brittons sailed a week ago last Saturday arrived at Glasgow on the 17<sup>th</sup>. As they were 11 days in going, they must have encountered bad weather. I am quitey about my usual work at the Herbarium, but find it somewhat lonely since my companions have left.

I suppose you have finished with your school, & planning yourself for a flight northwards. Or whither do you look, North, East or West? No doubt you

will depart most joyously from the carpet walls  
of the school room.

Should be glad to hear from you, out of the article,  
think myself of a trip into Canada about Aug. 20, to be  
back in 10 days or so.

With kind regards to Mrs Seane

I am very cordially yours.

Thomas Morang

New York, Sept. 8 1891

Mr Walter Dean  
Dear friend

I am just returned from a rambling trip of nearly three weeks through the French part of Canada. This will explain my lack of attention to your letters of Aug. 20 + 26, which came here during my absence.

I am glad to know that you are having such an enjoyable outing at Gaffney. I hope it has done Mrs Dean as much good as yourself. Folks here all been away from here this summer. Britton + his wife have been at New + travelling on the continent all summer. They will probably return by Sept. 12 or 15.



B. has been, among other things, work-  
ing up my Paraguay plants, many of  
which could not be determined without  
a visit to Kew. I imagine that he  
has had a pretty industrious time of  
it, & will be glad to get home again.

I had a pleasant trip through Cana-  
da by way of the Thousand Islands,  
the St Lawrence river, the rapids, Que-  
bec, & thence to Lake Permisconata  
where I stopped a week, & down the  
St John river, to St. John, N. B. &  
by steamer to Boston. However, I should  
never have taken the cross cut from Lake  
P. to St. John had I known what  
sort of one-horse railroads & vexatious  
delays I should encounter. It has  
taken me a whole week, travelling (&  
stopping over night) all the while.  
I could have gone from N. York to San  
Francisco in the time which it has re-

quired to go over this short distance. The  
COLUMBIA COLLEGE HERBARIUM

people up there are as far behind the  
age as they are in Paraguay. I don't  
wonder that the more enterprising inhabi-  
tants of the Maritime Provinces, are in  
favor of annexation to Uncle Sam's do-  
main. I feel as much worn up as I  
did in coming home from Chili.  
However, I have had a most instructive  
journey, and much of it thoroughly  
delightful. The St Lawrence riv. in  
particular, is a charming stream, the  
scenery very pleasing & the rapids most  
exciting, while Quebec, very interesting  
in itself & historically, presents a mag-  
nificent view of the river & country  
from its esplanade & citadel.

There is nothing in particular going  
on here. Probably you have all the  
latest botanical publications, & know  
as much about them as I do. What

has turned up at the late meeting of  
the A.A.S. in Washington I don't know  
yet. I presume you have before this  
had a copy of my revision of Halera=  
jean. Some changes in it have provoked  
a little criticism, but I think the most  
of it will stand fire. Anyhow, it  
was the result of careful deliberation, &  
I shall swear by it, if nobody else  
does.

Your photograph is all safe, & I shall  
return it after a while.

I wish you would tell me if you ever  
received any pay for that article of yours  
in the Am. Garden or N. Am. orchids.  
I find it is hard to get pay for my ar-  
ticles in that Magazine as it is to have  
a tooth extracted.

Hoping to hear from you after your  
return to Cambridge - & with kind regards  
to Mrs. S.

I am very cordially yours  
Thomas Morang.

New York, Oct. 3 . . . 1897

Mr Walter Deane

Dear friend,

I had two letters from you during the summer, and judge from them that you had a most pleasant vacation. I trust that you return to Cambridge full of new health and vigor and well equipped for that winter's work which is upon you.

Will you do me a little favor? The Ashland people are expecting me to lecture for them in a popular course this winter, and I shall probably give them an illustrated lecture on "Paraguay - the Land and the People," for which I have had prepared about 75 lantern slides, largely taken from my own photographs. I should like to know

what it will cost one of the Boston  
photographers, or lecture bureaus, to  
send an operator, lantern & screen to  
Ashland at the time I lecture. Black,  
the photographer, used to send out such  
a person to accommodate lecturers when  
I was in that region, and there was an-  
other large house on Brownfield St. who  
did the same thing. \$10.00 & expenses,  
I believe, was the price. It would need  
2 cylinders of gas, of course, but if  
I am not mistaken, a regular company  
furnishes these at the price of \$5 and 6.  
I should expect the operator to furnish  
all necessary illumination. With a  
little inquiry in Boston, I think you can  
find out who does such jobs and the  
cost. In case you find such a person,  
please give me his address, so that I can  
write to him if necessary. If I come, I  
hope to do so not far from Thanksgiving  
time. - With kind regards to Mrs Beane,  
I am yours as ever most cordially  
Thomas Morang.

## COLUMBIA COLLEGE HERBARIUM

ps. You were informed in letters you saw around the  
 bot of herbarium letters that I want you to get from  
 Ashland, the letter I am writing anything or not.

New York, Oct. 13 1891

My dear Mr Deane

Your last giving me all the  
 information concerning lecture illumination  
 of which I was in quest has been  
 received. Many thanks for the pains  
 which you have taken.

I have no doubt that you could  
 easily attend the lecture which I ex-  
 pect to deliver in Ashland should you  
 desire to do so, and return to Cambridge  
 the same night. There is, or used to  
 be, a train leaving Framingham at  
 10 P.M. It is an hour's ride from  
 A. to F., and returns in my day  
 and often to get through in season to  
 catch that train. Or you might stay  
 at A. over night & reach Boston  
 by 8½ o'clock the next morning, should

of Suffolk, of course, that you would know about fact the contents.

That course be deemed preferable. Anyhow,  
if the lecture is ever delivered (as I pre-  
sume it will be), I give you a cer-  
dial invitation & attend.

You are probably hard at work in your  
school, rushing every morning & evening to  
catch the horse cars, and regretting your  
free & easy rambles among the New Hampshire  
hills, with the joy of sleeping at Libitum  
in the morning & going to bed with the lark  
or the owl as you chose.

We are going along here about as usual  
in term time. The Sophomores & Freshmen  
have had their canoe rush, & Football,  
Boating, Base ball, Glee clubs &c. are  
all the go among the College athletes &  
musicians. While the more studious are  
walking about with marked brows & compound  
lips as though they meant to capture the  
literary world. We in the Herbarium, somewhat  
old fogies now, are going through the regular  
trud dull. but with the satisfaction of knowing  
that we are turning out substantial work.

With kind regards to Mrs. Bean

I am yours as ever most cordially

Thomas Moray.

New York, Oct. 19 1891

My dear Mr. Crane,

Yours of the 17<sup>th</sup> inst. received this morning.

The specimen enclosed is Callitriche. In the absence of fruit, I take it to be *C. heterophylla*, Durk. Both this sp. & *C. verna* L. have this submerged linear-leaf form such as you send, & need fruit for distinction. As *C. heteroph.* is the most common about here and also in eastern Mass., the presumption is *C. heteroph.* till otherwise proved.

I can highly commend the specimens of Small. We have received a set here, & all seem to be prepared with great care, & correctly named. They



are worth having. None rare or new,  
however, but a good representation of the  
district from which they come.

Mr Br & Mrs Britton are home.  
They returned in good health & spirits.

I will see that a niche for receiving  
stray specimens is reserved for you a-  
mong our shelves.

Hope to see you before long -  
Kind regards to Mrs. Deane.

Cordially yours

Thomas Morong.

New York Nov 30 1891

Mr Walter Beane

Dear friend

Yours of 29<sup>th</sup> inst. just received. - The Arkland people felt too poor to pay the expense of a lecture, as they say business is all down there, so of course it fell through. As my engagements for lectures of various kinds here are increasing, and my special botanical work is exacting, they are not likely to get such an offer again. The small country towns in N. England are very fond of getting lectures and preaching for little or nothing. I have done my share of gratuitous work in both directions, and don't propose to do any more of it, or, at least, for those who wish to use me as a cat's paw to pull their chestnuts out of the fire.

Oh yes, I finally got my bay from the  
Am. Garden folks, but only by asking Bailey  
to bring them up to it. I do not now write  
for the publication, as I do not like  
pulling teeth.

I have a very good boarding place  
near my lodgings.

I wish you would look at your specimens  
of *Sagittaria teres*, Watson, & let me know  
if you discover in any of the Phylloids the  
"narrow blades" of which Watson speaks in  
Manual, Ed. 6. Our specimens show no blades.  
Possibly they may appear in some of the Herba-  
rium specimens at Cambridge. These, too,  
are they always more or less nodose?

No, my So. Amer. adventures are not  
fading into a dream by any means, as I am  
hard at work writing them up, & they are very  
vividly remembered. How I wish in this  
dreary old weather I was in Paraguay  
again? Oh, the delicious sunshine and balmy  
air! I am in Arctic <sup>weather</sup> here, made by  
Providence only for polar bears and walrus.  
I am sincerely glad to hear that Mrs S's health  
is improving so much. Give her my kind regards,  
Yrs. as ever - Thomas Morang.

New York... Jan 4 6 189<sup>2</sup>X

My dear Deane

Yours of the 4<sup>th</sup> has just reached me, and it gives great pleasure to hear of your welfare and that of Mrs B. It is not too late to wish you both many happy new years. We are all glad to know that Mr Watson is mending.

Did you forget to tell me about the subfossil blade or leaf of Sag. tenuis? Mrs Britton has looked over the Hubertian specimens at Cambridge for me, so that all I need to know is about your own.

Now I want another favor if you can render it. Please tell me what system of Latin pronunciation is used at your school, the Latin school in

Boston and at Cambridge. Is there not  
some handbook or concise grammar  
showing in what that pronunciation con-  
sists, used at these schools? I am  
told that is the "Roman", & I should  
much like to find out what the "Roman"  
pronunciation is. If there be any small  
handbook or anything else which explains  
it, I should be glad to know what it is,  
as I wish to get a copy.

Yes, the necessity of priority in  
the names of plants has sent *E. septentrionalis*  
before *adriana*, but *E. articulata*  
is really much more appropriate, as  
the scapes seldom have exactly 7 angles,  
while the roots are articulated.

With kind regards to Mrs G. I.

Am very truly yours

Thomas Morong.

Columbia College in the City of New York

DEPARTMENT OF BOTANY.

June 17 1892

My dear Dean

I do not know where you are pitching your tent this summer, but suppose that this letter will be forwarded to your address.

Just now I am deep in the study of Orchid structure, and am anxious to get fresh flowers of many of the species which it is exceedingly difficult to examine in the Herb. specimens. May I beg you to help me in this? If you run across either of the sp. of Habenaria pin in the 6<sup>th</sup> E. of Ex. Man., or of Orchis rotundifolia or Calypso borealis or Cypripedium arietinum

C. candidum, C. pulscens or C. spectabile.

will you not be kind enough to  
put me up some of the flowers while  
fresh, and forward them to me here?

I only want the flowers, and they  
can be put in a small paper box  
and sent by mail. with a few pieces  
of paper or bog was slightly mois-  
tured. No matter if they are crushed  
a little - that will not hurt them for  
my purposes. Only the flowers, no collect.

Hope you and Mrs S. are having  
a good time wherever you are. We here  
are suffering under  $98^{\circ}$  F. of heat,  
and the poor horses in the street are  
falling by the score. - Bitten & his wife  
are in Virginia, and I am alone. Hope  
to go to see my folks about the 1<sup>st</sup> of July,  
with kind regards to Mrs S.

I am very cordially yours  
Thomas Morang.

flowers for the purpose apparently, & I  
am trying them. I cut off the flowers  
from the spike, & place them with the parts  
spread out between the leaves of a book, with  
only a light pressure on them. Suppose you  
try your hand at the matter. I know that  
you are very nice in such work. I need  
some 50 flowers of each kind. I don't  
know but the flowers of *H. orbiculata*  
would give good results, but have not  
tried them. I presume that the little  
flowers of such species as *H. hyperborea*,  
*lactata*, *obtusata*, could not be used to  
any advantage.

I was at Cambridge last week for  
a day. Saw Mr Robinson & did some  
work at the Herbarium. It was uncom-  
parably hot in Boston & Cambridge, hotter,  
in fact, than in New York.

Hope you are having a grand time away  
the Nets, and that both you and Mrs  
Dean are in good health & spirits.

Very truly yours  
Thomas Morang.



New York,

July 20 1892

My dear Dean

The two boxes with *H. orbiculata* + *H. fimbriata* have both come to hand. Many thanks for your kindness. It is just what I wanted, tho' I should have liked 3 or 4 spikes of the fimbriata, as I am making an effort to press out the flowers of the larger flowered orchids so as to show the parts of the flower in the dried specimen - a most difficult thing to do. I wish, if possible, to get specimens so pressed that they can be tacked to a card board and shown to a class. In ordinary specimens the parts are so pressed together that no untangled eye can make them out. I have succeeded pretty well with *Rozonia ophioglossoides* and *Calopogon pulchellus*. *H. fimbriata* + *H. psycodes* + *H. leucophaea* have good

Columbia College in the City of New York

DEPARTMENT OF BOTANY.

Aug. 7 1892

My dear Mr. Bean

Just received the specimens  
of *Goodyera repens* - which I suppose  
were from you (horribly wet, as there  
is no means of judging) -

Many thanks for your kindness.

I have some specimens of *Halimolobos*  
*ciliaris* for you. Mr. Britton tells  
me that you are in want of it.  
Had I known so before, I could have  
got you a plenty of nice specimens,  
as there is one spot in N. Jersey  
not far from here where it grows  
abundantly. However, I can send you  
two or three fairly good ones.  
Went last week on a trip to  
Swatowood Lake, N. J. for *Nelumbus*:

*Prunella luteum*, the only spot around  
here where this fine flower grows.  
Found it in fine blossom. It makes  
a splendid show on the water.

I tried to save some of the flowers  
for you, but after bringing them  
home in my case, they all dropped  
to pieces, & I could not obtain a  
specimen. They should be put  
in press immediately on gathering,  
a fact which I did not know  
at the time.

Hope you are greatly enjoying  
your outing.

Please give my regards to Mrs  
Dean.

Very truly yours

Thomas Morang.

Columbia College in the City of New York

DEPARTMENT OF BOTANY.

Aug. 9 1892

My dear Mr Deane

Your card of the 8th inst. reached me this evening. I wrote you this morning in regard to *Goodenia* species. I have received all you have sent I have no doubt. Perhaps I do not remember all, but I recall *Habenaria fimbriata*, *H. albicaulata* & *Spianthes gracilis*. As they were not in a condition (all except *Goodenia*) for pressing, I have not preserved the specimens, and therefore may not remember all the species, but I have been very glad to get them, and have examined everyone very carefully as they came. The *H. tridentata*, of which you speak,

has not yet come to hand, but it will probably come along tomorrow.

I trust that you are not ac-  
counting such sweltering weather  
as we are now experiencing in  
New York. The streets fairly reek  
36 in the middle of the day, &  
all New York rushes for the Bay  
Island Steamboats - that is, all  
the New York which has not made  
off for the seashore and the moun-  
tains. Our Herbarium is the  
only cool place that I find, and  
that is filled with coal dust and  
fearful noise from the neighboring  
railway.

Once more my best regards to Mrs  
Beane.

Very truly yours

Thomas Moring.

Columbia College in the City of New York

DEPARTMENT OF BOTANY.

August 23 1892

My dear Mr. Drane

I have been absent about a week in attendance upon the meeting of A.A.A.S. at Rochester. Upon return I find letter & card from you.

Dr & Mrs B. have not returned yet. & will not for a week or two, I suppose.

I have informed you of the receipt of specimens from you & extend my hearty thanks for the same. A few questions from you need a reply. The photograph which you refer is all right, & will be returned in good time.

Yes, I propose to put my duplicate  
Naiadum in sets, as soon as I  
can get my monograph about the Order  
finished. The MS. was done long  
ago, but we are bottlenecked next to  
death to get the drawings of the species  
and fruit enlargements done. I have  
waited now about 3 months for them,  
and don't know how much longer we  
shall be compelled to delay. These  
artists are an uncertain and tardy set.  
I regret as much as ever Dr Gray did  
that I cannot draw myself.

For these sets I shall charge enough  
to cover expenses - not much, however,  
for a set. But I shall include  
besides the Potamogetons some of the  
species of Naias, if with other genera; and  
also many European species of Potamogeton  
for comparison with our N.A. forms.

Very cordially yours

Thomas Mearns.

Columbia College in the City of New York

DEPARTMENT OF BOTANY.

Sept. 28 1892

My dear friend

I believe that I have neglected to thank you for the beautifully prepared specimens of *H. fimbriata* flowers that you sent to me a while since. Also for the *Spiranthes cernua* previously received. Please understand that I consider myself greatly indebted to you for all the plants sent during the summer. They will all prove of use as specimens, as well as having served for special study.

I trust that both you and Mrs. Bean have been greatly benefitted



by your summer's outing, and  
that you return to your school  
work with renewed strength &  
interest. I do not know just  
when I shall distribute my big col-  
lection of Naivadanu (mostly Pot-  
amogotous), as it will not be  
done till our drawings for the  
memoir are finished, and  
that work goes on slowly. Our  
artists seem to be sick or oth-  
erwise employed for more than  
half the time - but whenever  
the distribution is made, some  
advertisement of the sets will be  
put in the Bulletin, and the  
distribution and memoirs  
will go together.

Very cordially yours,

Thomas Morgan.

755 Tremont St. Boston, Mass.

My dear Mr Deane

I am in Boston for  
a few days - till next Sunday  
afternoon - and will, if a =  
quabble with you, call upon you  
next Saturday afternoon. I be =  
lieve that you are always at  
liberty on that day. Will if  
it suits you call at your house  
in Cambridge Bay on Saturday  
afternoon about 4 or 5 P.M.  
Hope Mrs D. is well. Mean =  
while my regards to her.

Very cordially yours  
Thomas Moray.

Oct 14 - 1872

Columbia College in the City of New York

DEPARTMENT OF BOTANY.

Nov. 22 1892

Dear Mr. Dean

Yours of the 20<sup>th</sup> received,  
Of the specimens enclosed, nos. 1 + 3  
are, as you suppose, *Clodia Canadensis*,  
But no. 2 is *Geratophyllum densum*.  
This last turns up all over the world I  
believe, for I have seen it from all  
parts of the globe.

My poor wife about whom you inquire  
is no better, but rather grows worse. I  
am afraid that her mind has gone  
irretrievably. We are not at all sure  
that she recognizes any of us, not at  
least from anything she says. She seems  
to be in a state of utter darkness,  
and is incapable of taking care of herself.  
How great an affliction it is, you may  
well imagine.

We are all as well as usual and as

busy as usual here. Indeed, work ac-  
cumulates upon us more rapidly than  
we can dispose of it. Specimens pour  
in by the hundred both from abroad  
and from home, and our Herbarium  
is literally all cluttered up with  
piles of papers, boxes and miscella-  
neous articles. Everybody seems to crowd  
into the room at times - as many as  
18 have been here at ~~at~~ times, and  
we fairly run over each other. If Robert  
bin does not provide us with larger quar-  
ters soon we shall hardly be able to  
move around.

Please give my kind regards to Mrs. Dean.  
I thought I had never seen her looking  
better than when I was last at your  
house.

Very cordially yours  
Thomas Moring.

## Columbia College in the City of New York

DEPARTMENT OF BOTANY

Jan. 12 1893

Dear Mr Beane

I send you by mail a small parcel of *Potamogetons* - the rarer ones which you may not have - among them *P. mysticus*. Being so rare, there cannot be much else in the specimens but scraps, but there is enough in each one to illustrate the species.

I received your note and Christmas card in the season and ~~wrote~~ you for the kind remembrance.

My wife appears about the same as when I last wrote you. Occasionally there are slight glimpses of merriment, but for the most part an entire inability to know anything or person. Her bodily health seems to be good, only she needs the constant care of a nurse.

We are about the same as usual

Milton and I are hard at work on the publication of my Paraguay plants, and have managed to get somewhat more than half of it into the printers hands. It will probably make a pamphlet of 250 pages. Paripassu my monograph of the Naiadaceae is on the stocks. The photograver is just now finishing the last half of the plates, and as soon as that is done, we shall rush into print. I shall feel as if a big load was lifted when I get that published, and yet the collection of materials and preparation for the work has been a labor of love for the last 15 years. I hope it may be of use to the world.

Please give my kind regards to Mrs W.  
and believe me

Yours most cordially

Thomas Moring.

## Columbia College in the City of New York

DEPARTMENT OF BOTANY

Jan<sup>y</sup> 4. 17. 1893

My dear Mr Deane,

No fruit has ever been found on *P. mysticus*. The immature fruit referred to in the Man. was hardly set, and only a guess made at the probable form should it have matured. Yours is as good as any I have.

*P. het. var. longipedunculatus* is only <sup>under</sup> the specific name, a distinct form from any mentioned in the Man. I had named it var. elongata until I discovered that Nerval had already named it longipedunc. as a sp.

*P.utilus* is new to the Man. region, and indeed to the whole continent. It was discovered a few years since in Canada by Macoun, and sent to me by him as *pusillus*. Since that it was found in Vermillion lake, Minn. by Bailey, as a specimen sent you states.

I wish I had more N.A. specimens, but so far the localities are too limited to expect much of it. I have plenty of it from England and Northern Europe.

*P. Faxonii* is new, will appear first in my monograph. No fruit has ever been found. My English friends and Potamogetonists, Bennett & Fryer, think it a hybrid, but I never meant to hybridity to get rid of a difficulty. Besides, I see no proof as yet that it is a hybrid, though certainly it shows intermediate characters between *P. lanceolatus* and *P. rufescens*.

In putting up parcels of my big Potamogeton collection for distribution, I often have Mrs Owen recalled to memory, as label after label marked Nantucket turns up. The best specimens of *P. Oaksi-*anus & *P. pulcher* that I have <sup>in fruit</sup> were gathered when I dredged the banks for her. You may have noticed one label of *P. Mopteris* marked Nantucket, but you may not remember that you & I were together that day when it was gathered. I recollect it perfectly - the time & place - when we took our lunch under the shade of a small house on the board side.

Cordially yours - Thomas Mowbray.



## Columbia College in the City of New York

DEPARTMENT OF BOTANY

Jan. 26. 1892

My dear Dean

I see that I must look sharply after my dates when I am collecting with you. I presume that I collected the plants at different dates, and that the numbers became mixed. The time you refer to, however, was the date of collecting your specimen, and you had better correct it on the label.

You want fruit of *P. gemmiferus*. It has never been found but once, and that scanty. I have the only spike of fruit known, collected by Jesup at Amhurst, Mass. somewhere about 1875. If I ever get any more, I will remember your lack.

*Ruscus, v. polyphyllus* is scarce. Never occurs in fruit - only with propagating buds. My stock is nearly run out.

You had better engage one of the

sets of Naiadaceae which I am now preparing for distribution, and which will be advertised in the next no. of the Bulletin. First sets will be the fullest, and first come first served. Only one set has been engaged already, and that because my intention happened to be privately known to one of our botanists in the vicinity of New York. I presume that there will be considerable demand for them when the advertisement appears. The list will, of course, not be complete, as I have none to spare of such rare things as *P. Curtissii*, *P. latifolia* (California) &c. but nearly all the N. A. plants and a lot of European ones will be there, with some Naias and other Naiadaceae.

The price is only nominal - \$5. for the fullest, probably comprising from 60 to 70 species and varieties. I know that you do not care for plants outside of the Manual range, or for European ones. Still, you can give or throw away what you do not desire, and still do better than trust to my uncertain picking out of plants from the mass.

Regards Mrs. D. Cordially Thomas Shreve.

Columbia College Jan. 24, 1893.

Application for Potamogaster, all right.

Send set is yours.

Cordially, T. M.



Mr Walter Deane.  
9 Brewster Place.  
Cambridge.  
Mass.

## Columbia College in the City of New York

DEPARTMENT OF BOTANY

Jan<sup>y</sup> 28. 1893

Dear Mr Deane

Your packet of the 26<sup>th</sup> at hand. I don't know what expression in my letter referring to sets of *Potamogeton* I may have used, but you have entirely misunderstood. I have but one set whole embryos all, and that will be sent to you as soon as ready. I am deep in the work now, trying to make the set as representative and complete as possible. Mr. W. Bailey and wife were here a week or two since, and I think that their child showed some symptoms of illness there. I am glad to know she is better. Kinglet is a hard bird to catch on his flying visits south. I have never yet met him, though he has almost been within sight of him several times.

Regards to Mrs Deane

Very cordially -

Thomas Morong

## Columbia College in the City of New York

DEPARTMENT OF BOTANY

Feb. 10 1893

My dear Mr Beane

I send by express today your set of *Naidaceae* - The second in order. These somewhat over 100 sheets, including European & N. Am. sp. and var. I have taken particular pains to cover your wants so far as these specimens go, what with these and the few sent you a while since of the var. forms, you have about all the N. A. *Potamogeton*s available, better than any other collection probably in the country except my own now in Columb. Coll. Herb. The species of this family, however, are so outrageously variable that even my own collection, extensive as it is, hardly gives a complete idea of the numerous forms. Even after a study of them for nearly 20 years, I am still sometimes puzzled to determine forms that turn up. But my sets are fairly representative, as much so as any could be.

I do not buy expressage, as you know that the \$5.00 charged is merely nominal

by no means paying for the labor, time and expense incurred. My idea in putting the sets so low was to get the plants distributed among the botanists of the country. My forthcoming monograph will give all the necessary details of description and reasons for change of names.

I feel now as if my work on Naiadae =  
ceae was complete, and that very little more can be added to the subject, by myself at least. — and it is very gratifying to think that the dearest wish of my old friend Robbins is at last carried out, and carried out far more completely than he had the means of doing in his lifetime. I nearly succeeded him in the work, and owe much of the means of finishing it to the labors of himself and Peckerman. We build on the foundations of others.

Mrs. A. remains about the same. My son writes that physically she is not so well as she used to be, but that he thinks her, if anything, slightly improved mentally. That does not mean much, however. We have <sup>idea</sup> ~~no~~ that she will now regain her reason.

Kind regards to Mrs. Deane.

Very cordially yours  
Thomas Moring

## Columbia College in the City of New York

DEPARTMENT OF BOTANY

My dear Beane

March 1 1893

I was considerably amused over your family group tracing my course along the Rio de la Plata. It's a good way, surely, to get geographical information.

It's a pity that my pictures could not have accompanied the description, as they illustrate nearly every point & incident described, and explain some things which appear obscure in the paper.

The waters of the Plata basin are full of muddy silt & barren of vegetation as I say. I did not mean to be understood that the whole river system was equally bare, small streams, rivulets, shores & all. Indeed, I say much, as you quote, to show otherwise. The clogging up of the western tributaries like the Pilcomayo, Comares &c. is in esteros, as they are called, great swamps, through which the rivers flow, & not in the free portions of the rivers. I did mean to be understood, however, that the botanist will be greatly disappointed who expects to make much of an aquatic



acquisition anywhere in the Plata system.  
I think I often wrote you how much I  
was disappointed. I did not find a *Potamogeton*  
or any other Naiad (except *Ruppia*) in all that  
region - nor a Chara, Proclis, & but two  
~~these~~ Nymphaeaceae. - You must cut off  
some of the angles of my statements yourself.  
I could not always stop to qualify.

As to going over the whole ground myself, no, of  
course. However, I went part way up the Parana  
after it separates from the Paraguay, and far  
a long distance above Asuncion on the Paraguay,  
tho' not so far as Guayba. I got my information  
very largely from those who had been over these  
points to which I did not go. My pictures of the  
great Falls of the Hundred Cataracts were made  
by an Asuncion Photographer who gave me a  
graphic description of them & his ascent of the  
river. So I met a dozen Americans & Englishmen  
who had been up the Paraguay repeatedly - to  
its head waters.

As to the specimen of "*P. fluitans*" &c, of which  
you speak. Those specimens of British fluitans all  
came from Alfred Fryer, of Chatteris, England,  
& were obtained in the Fens of Cambridgeshire.  
Bennett sent me some of them, & Fryer still  
others, but they were all from the same place  
& collected by the same person.

I am glad that you enjoyed the plants, &  
find them of value.

Cordially yours  
Thomas Morong

## Columbia College in the City of New York

DEPARTMENT OF BOTANY

May 19 - 1893

Dear Deane

Yours of May 17 at hand.  
 Thank you for all your kind expressions. I am glad that you enjoyed the Paraguay notes. It has been a very hard piece of work to write the book, but we think that it has been done pretty promptly and thoroughly considering what a job such foreign collection, collation, determination and publication costs. Dr Kennedy made us a visit this last winter, and when I showed him what venture had been made of his name, and acknowledgment of his assistance, he was much pleased. It was but a small return for his kindness, but all I could give.

You have got a more complete set of <sup>N.A.</sup> Retanoptosomy forms than anybody else in this country except the herbarium of

Columbia, i.e. my own, for we are not identical. Those wanting may turn up some day. No doubt an index of the manuscripts would have been helpful, but I have given in the artificial table of Botany on p. 12 a complete list of the numbers which, after a perusal, answers the purpose of an index. It would have been more useful in the Paraguay paper. & perhaps should have been added.

Your doubters know that my poor wife has passed away. She never seemed to suffer any pain, and never recanted her views, tho' I think she recognized me before she died. She was well prepared to go, and we cannot sorrow over her departure. She is now at rest, and I believe, fully rested & warm and enjoying the blessings for which she always longed. She sleeps by the side of her father & mother in the cemetery at Woburn.

I shall ask you before long to make some more collections for us this summer. With kind regards to Mrs. S.

I am very cordially yours  
Thomas Moray.

Columbia College in the City of New York  
DEPARTMENT OF BOTANY

Aug. 5 1893

Dear friend Deane

I saw your postal of yesterday, & am very glad to hear from you. I wrote you before you left Cambridge, sometime in June. Possibly you did not receive the letter. In that I asked if you would be so kind as to prepare me some flowers of Stal. psycodes in the same manner as you prepared St. fimbriata for me last year. Perhaps it is too late to do that now, but if not, I should be glad to have you do it if you obtain any of the flowers. I want the corolla spread out so as to show the parts, with the ovary & the bract at its base. I do not care for the stems, as we have plenty of dried specimens. My class were very much delighted the flowers of St. fimbriata & St. ciliaris which I had upon strips of cardboard, prepared in this manner. I meant to have got others this summer, such as St. lacera. - the Hogarias, Arctura &c, but have been so busy with other things that I have not been able to go out collecting the plants. Only St. blephariglotis, which I wanted to compare with St. ciliaris growing under the same conditions. I have found some differences between the two which I had not seen before - principally in the lvs. I have also found inter-

mediate forms which may be hybrids, & may account for the difficulty I have had in separating the species. As to color, the intermediate form is half way between, a lemon color, & the lip is also intermediate as to the fringe. They grow side by side on Staten Island, & the blepharigottis is about 3 days ahead. The extreme forms are unquestionably distinct as to size of flower, shape of lip & fringe, as well as color. In all other respects they seem to be the same.

I have not been away from New York yet, except a few days at the Biolog. Laboratory at Cold Spring Harbor, N. Y., where I gave a few lectures, but next week I expect to go with Dr Allen, of this city, on a camping out expedition to Lake St. Clair, Michigan, where we shall probably spend from 2 to 3 weeks. Dr A. says that the lake is full of aquatics, & so I shall have a grand time among the pond weeds & other water flora.

Possibly I may get to Chicago before returning, as an American must be regarded as very unpatriotic if he does not make shift to see the great show. However, I do not feel any mighty drawing that way. Having seen the Centennial at Phila., I presume that Chicago is much the same only on a grander scale.

Dr Britton sends kind regards, & encloses receipt for payment of Memoirs. I have your picture of my ugly plug still, & shall send it back when I get access of it which I have not yet done. Give my warm regards to Mrs G.  
Very cordially yours  
Thomas Mearns.



## NEW YORK ACADEMY OF SCIENCES

AT COLUMBIA COLLEGE,

49th Street and 4th Avenue,

NEW YORK CITY.

New York, Oct. 28 1893

Dear Mrs Owen

Your letter of the 24<sup>th</sup> inst., with enclosed specimens, reached me in due course of mail, but I have been too busy to examine the plants without. I think it is *Eleocharis acicularis* (L.) R. & S., as that plant behaves in the same manner as you describe this as doing. Both specimens are probably the same plant. We have it in our Herb. in the same fashion.

I have not visited Waukegan since I was there in 1887, but my recollections of that visit are so pleasant that I should be tempted to go again if I ever have the opportunity. I seldom get away from here even in vacation time, and my hands are full of work always, so that I stick closely to the Herbarium. It is not that I do not have a full experience of out-of-door life. My classes in botany require two field excursions a week from March to July, and our Torr. Bot. Club have excursions every week from May to November upon which I often go. So you see I am not likely to turn into a dry <sup>calist</sup> specimen of Humanity. I did not always

this summer for three whole weeks, camping on the  
borders of Lake St Clair, Michigan, and fishing  
for blue waddlers with my "all-combelling rakes", as  
you call it. That ramble ended with an excursion  
to Chicago and a sight of the wonderful Exposition.  
I had a most delightful time with a spice of ca-  
noe adventures.

As my health is always good and my time busily  
occupied, my 65 years sit lightly upon me, and  
I cannot say that I feel any older than I did  
25 years ago.

It gives me great pleasure to hear from you, and  
I hope you will continue to keep my name  
upon the list of your correspondents.

Trusting that you are in equally good health with  
myself

I am very truly yours  
Thomas Howeng.

Dear Mother -  
 I received your letter - at St. Luke's  
 Hospital - Rochester N.Y. It is  
 all so kind & kind - nothing to  
 make me feel loved my body am  
 tired but strong - but I am glad  
 it is better for when we pick up a  
 little we can get out and be travelling.  
 Mr. Mitten had found there who will look  
 after me - I gave your p.c. to Dr. W.  
 He had been under - with it. I am not  
 at all - I think he will come out of it all right.  
 Sincerely  
 Ed. Mitten

St. Luke's Hospital Jacksonville  
 Jan. 12, 1894

Dear Mitten I can just make  
 out to scrawl a few lines to tell  
 you how I came here. The day you  
 left I broke down with a combi-  
 nation of grip and cough, 20  
 boils in one and 5 in the other,  
 doing their best to rock my poor body  
 all to pieces. I staid at the hotel  
 trying to walk around, to sleep and  
 to keep myself up, but soon came to the  
 conclusion that I could not rest, eat,  
 walk, sleep nor find the slightest re-  
 lief from pain in any position up or down,  
 and that I was either a dead man or  
 the undertaker on a very sick one for the  
 doctor. Luckily I thought of Mr  
 Deyson & the note of introduction you gave  
 me. Mr D. was a trump - took me up



at once - treated me as kindly as if  
I had been his own brother. He first took  
me to see his own family physician, Dr  
Lowe, one of the best in town. After  
consulting together they concluded  
that I must not stay at the hotel  
and get a private boarding house for  
one, sending word for my traps, then  
on further thought they advised coming  
to the Sanitarium of this Hospital - a  
really nice place where I could be  
sick as I please and trouble nobody, and  
where I can get all the first class care  
& attention needed.

I think I am already better. Have  
none of the terribly severe pains from <sup>which</sup>  
I suffered at first - & the grip &  
cough both seem to be diminishing in  
evidence.

You won't expect much of astro-  
tanical report this time! But just  
wait till I get my strength back again

if I can so, & you will begin to  
see whether I have lost my interest  
in Florida Smiley & can I man-  
age it.

Do write to me or send my  
mail. Hearing must have been kept  
tongue away something in my favor. If  
so, please forward to care of Mrs. Tyson.  
He will see that I get it.

I am too sick to have much  
love for anybody just now, but  
will lay up a lot for all the  
staff at the Herb. Special regards  
for Mrs. B.

St Lukes Hospital  
Jacksonville  
Fla Jan 23-72

slowly getting better but  
it will be weeks before  
I am fully restored.

Yours Very Cordially

Thomas M. Mraz

Per A. E. Mraz

Dear Deane

Several letters  
from you have reached  
me expressing kindly  
sympathy for me in my  
illness. I came out  
with Dr. Britton and Small  
from Columbia on a little  
vacation trip at the Christmas  
holidays, expecting to be  
back in a month or so.  
I went to Stone Mountain  
with Small and there found  
it very raw and cold, an  
old attack of cough returned  
upon me, which the grip  
sieved and converted into  
a horrible torture. I managed  
to get out of Stone Mountain

to Jacksonville thinking  
it would be better for  
me in a warmer climate

I stayed around at the  
hotels here in that condition  
for several days, grew  
worse all the time, I had  
got to go either to the Dr.  
or the undertaker, so I thought  
I would try the Dr. first.

A good friend in the City  
aided me, they both said  
I must go to a home  
and be quiet and lay up  
for a regular siege of sickness  
that led to my coming here  
where I have been nearly  
three weeks, receiving the  
best medical care and  
attention. Dr. Miller in  
charge thinks that I am

St Luke's Hospital, Jacksonville

Jan. 27 1894

Dear ~~W~~earing, received your letter -  
much obliged. All perfectly satisfactory concerning rooms & storage of goods.

It seems hard to tell you just how I am. This much I may say - the doctors tell me ~~to~~ keep perfectly still & trust to time. Disease "acute bronchitis", aggravated by cold, exposure, wet & "old grip"; it that word really means any thing.

The disease is apparently growing better - suffering less, but the weakness is appalling. I can hardly take off my clothes or do the most trivial thing. It is very hard for me to write even these few words.

They are trying every way to stimulate me & make me stronger. & the Dr thinks he can do it.

Please hand the enclosed to Dr Britton.

Don't send me any N.Y. Daily papers  
as we have them here.

If I can't write, however, I can read,  
and letters from any of you will be very  
acceptable. Special regards to Mrs B.  
as well as to Dr B.

Mr T. F. Kearney.

Dr. T. Mearns.

Columbia College in the City of New York  
DEPARTMENT OF BOTANY

Jan. 27 1894.

My Dear Mr. Deane:

I enclose a letter from Mr. A. H. Curtiss, which indicates what I have feared would be the next news from Dr. Morong. Let us hope that it is not as bad as it seems, but I have the gravest apprehensions.

Now I presume that Dr. Morong has been in communication with his son, but of this I am not sure and, unfortunately, I have not the latter's address in Boston. May I ask you then to forward Mr. Curtiss' letter and this one of mine to him? If it were possible some of us from here would go to Jacksonville, but I do not see how it can now be done. It appears to me that his son should take cognizance of the Doctor's condition.

In spite of my intimacy with Dr. Morong during the time he has been with us here, I do not know that he has other relatives.

You will see naturally that this matter has depressed us all, very much. It is evident that he is in good hands, but it is most sad and unfortunate that no immediate friend or relative is at hand.

Yours Faithfully  
N. L. Britton.

Dear Sir - I called at the hospital  
yesterday & found Dr. M. appearing  
a little better, sitting out on the piazza  
in the hot sunshine with a blanket around  
him, & able to walk to his room without  
assistance, & not coughing much.

But he says he is very weak and he  
seems to see no cause for encouragement.  
I will call on him again Monday or Tuesday  
& will try to see the doctor - Will keep you advised  
as to his condition - Best truly  
A. D. Curtis

Genl. H. A. - Feb. 1 '94



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United States America



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H  
- 3-94  
5-1 P  
N.Y.

Prof. N. L. Britton  
Columbia College  
New York City

Boston, Jan. 31, '94

Dear Mr. Deane,

I rec'd your letter  
with its enclosed letters.

I was already aware of my  
father's illness & his confine-  
ment in a hospital, tho. I  
had not heard from him  
later than his letter of Jan.

19. Yesterday, I telegraphed  
to Dr. J. S. Miller, Jr. of  
Hospital, Jacksonville & rec'd  
the following answer; "Your  
presence not necessary, Dr.  
doing well"

So I think we may feel some-  
what relieved about him.

I rec'd a letter this morning  
from Prof. Britton in which he  
states that he has just heard  
from father by letter.

Father writes that he is

acute bronchitis, but is not  
important. The literature  
of course is still late and  
official.

If I hear anything further,  
I will let you know.

Thanking you for your  
kindness I am

Yours very truly,

A. B. Mording

F. J.

I returned Mr. Bartlett's  
letter to Prof. Cotton.

St Luke's Hospital, Jacksonville

Feb. 14, 1894.

Dear Deane, I know that you will be better pleased with <sup>a</sup> note from my own hand, than any dictated letter - so I write directly.

Yes, I am actually getting stronger little by little every day, but it is actually creeping back into life.

I sit + read (no decent books to read) + doze most of the time. Always get up in the morning + dress myself (thank God, I have always been able to do that) - on bright, sunny days, I have an orderly boy wheel me out in one of the wheeled chairs of the Hospital, + tundle me over the ~~wood~~ wooden side walks, for  $\frac{1}{2}$  a mile around the hospital - and again in the afternoon if weather allows. This helps me no little, & assure up.  
so I am picking up bit by

oil - beginning to get a relish for  
foo food. What I want is chicken  
& stewed meat, or something solid -  
2 weeks ago all food was loathsome  
to me, & I puked it away, now  
I really get hungry. You know what  
that means

You won't mind this blotch, I know.  
I keep missing words, have to think now-  
and-then before I can spell them sometimes.

(bulletins)  
Don't expect daily or weekly bulletins from  
Phillips. His head is crowded with the  
botanical work going on at the college,  
& he won't know anything else, unless  
it be a death, or something as bad.

Can't you or Mrs send me some Mag:  
azines or novels & mud? I am without  
literature - even a Verbena.  
Dearest thanks for all your sympathy & kind-  
ness. Much love to Mrs F.  
Very cordially yours, Thomas Manning.

755 Tremont St.  
Boston, Feb. 15, '94

Dear Mr. Dean

I have just recd.

a letter from father. He is  
some stronger, but complaining  
of an aching leg.

He writes up & down hill in a  
way which shows that he is  
feeble. He says he has no  
appetite. I have written to  
him suggesting some things.

I think he would be glad to  
hear from you as he is lonely.

Address St. Luke's Hospital,  
Jacksonville, Fla.

I judge he is gaining but he is not  
used to being sick & is somewhat  
impatient of confinement.

Yours in haste,

A. B. Mearns



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United States of America

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Mr Walter Beane  
5 Brewster Place  
Cambridge, Mass.

From Dr. T. M. Mowbray



St Luke's Hosp., Jacksonville, Fla. March 1st 894

Dear Beane

My days here pass, after getting up & breakfasting, in <sup>reading</sup> sitting, dozing, dreaming, trying to write some, & otherwise to kill time. It is the dreariest life imaginable. Dinner is served like breakfast & by 7 P.M. I have to be in bed. This is on days when I cannot go out of doors. The weather is persistently against me. been wet every day but one for the last 12 days. A swearing man would curse it up & down. On one day, last Monday, my boy hauled me out in the wheeled chair. I took 3 photographs, to improve so much that if I could get away day like that, or even 1/2, I should be walking by this time! As it is, I can't walk 100 yds alone.

Rec'd the 2 illustrated papers. Thanks.

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Mr Walter Deane

9 Brewster Place

Cambridge, Mass.

St. Luke's Hosp.

March 1, 1894

for 2 or 3 hours every morning, and drink  
in the delicious ~~sun~~ life-restoring  
air and sun-light! as I say, they  
ought to get well here, if it is possible  
to get outed anywhere.

Well, well. I have written you a  
long & tiresome invalid's letter, but  
your kindly, sympathetic mission has <sup>carried</sup>  
me beyond my bounds.

See how weak I am from my poor  
hand & miserable spelling.

If you choose, you may send this on to  
beane, to whom I owe many friendly, sym-  
pathetic letters.

Dear old Nantucket! Shall I ever  
see the pretty island again?  
You make me homesick when you begin to  
talk about it.

Shall be very glad to hear from you at  
any time.

Cordially yours  
Thomas Moring

St Luke's Hospital, March 18, 1894

Dear Mrs Coven

I have your very  
kind, cheery letter of the 10<sup>th</sup> inst.,  
and ~~thank~~ thank you for all your good  
wishes and predictions.

I am trying my best to get daily  
additions of strength, but the weakness  
is so great that every effort is a pain.  
Pain to dress - pain to get up or sit down,  
pain almost to breathe. Still I make  
every effort to walk and exert my body  
in some form every day. Get up in the  
morning and dress myself & wash my face,  
honor hand.

Go out of doors every day in a rolling  
chair, and walk all I can while out.  
But don't seem to make much headway.  
I sometimes fear that I am destined to  
remain a cripple the rest of my life.

But this, you would say, is all non-  
sense. Others have recovered. Why not you?

That is so surely, but I am 65  
years old, which adds a good many  
pounds to the weight to be dragged up.

However, I am writing in no dis-  
consolate mood, whatever my language.  
When I look back to my state of a  
month since, I can see that I have really  
made progress. The Grip was fairly awful  
for the 1st 3 or 4 weeks. I loathed food,  
and would not touch it: the cough racked me  
to pieces. Now I have a ravenous appetite, &  
can eat almost anything: the cough has nearly  
disappeared or become quite gentle.

I revel in the climate, the atmosphere  
and the surroundings. If one were could heal  
anywhere of any disease, he ought to live.  
Day after day brilliant sunshine - that  
kind of sunshine which seems to enter and  
invigorate every pore of the body, not the  
flashing, overpowering light wh. makes one  
doze like our July sun. In an euroceus-  
pid square near the hospital, quite a  
large piece of ground is a thin thicket where

a multitude of herbs & herbaceous flowers  
have sprung up. On this are about a dozen  
large winged oaks, draped from top to bottom  
with long Spanish moss. The beautiful  
new spring lvs, yellow tinted or compound wt,  
those wh. have hung on all winter, have nearly  
all displaced the last year's dress. In  
these trees the birds love to congregate &  
sing their morning songs, - especially the  
mocking-bird, who is now in <sup>his</sup> glory.  
This ~~is~~ bird is now pairing, and I can  
frequently see the sober-colored female about  
her nest-building, while her mate mounts  
the topmost twig of the highest limb he can  
find, and pours forth all the songs he knows  
for an hour at a time. Whether he is really  
imitating the other birds of the forest or not,  
I cannot tell, as I am not musician enough  
to tell, but he certainly ranges over a vast  
~~scale~~ scale in singing, and never seems to repeat  
himself.

Just imagine what a luxury it is  
to sit at ease in my chair under the  
shade of these oaks, "list<sup>n</sup> to the Mocking-bird"

St Luke's Hos, March 28, 1894

Dear Deane  
we shall be glad to have done with March  
if he acts as he did yesterday & day before. Fierce,  
freezing winds, that made us all hug the fire. For  
the 1<sup>st</sup> time in 6 years, there has been frost in the lower  
parts of Florida. Probably done great damage.

I had, of course, to stay in doors, much to my regret.  
But hope to be out to morrow again. Shall probably,  
from present appearances, have to stay in the hosp.  
this month of ~~may~~ April. I meant but as the  
mail creeps, not so fast. cordially. T. M.

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Mr Walter Beane

9 Brewster Place

Cambridge

Mass.

Tell me what novels you have sent, as I cannot remember them. You  
put no mark on them. I was written St Luke's Hospital Ap. 2. 1894  
sent a good many

Nothing to write except that I am glad we have got  
into April which brings me one month nearer home.

My plan at present is to leave the Hosp. for a boarding  
house the last week in this month, and take the car for  
my son's home in Boston. May 1. I can now get  
strong and well here, that is certain. Every pull of  
weather brings me down at once. That last snap of  
cold weather nearly used me up, and left me as weak  
as now. However, when the time comes, I shall be  
able to take the car if I am lifted on board. Better  
so by car than by ship, I am advised.

Cordially yours, Thomas Moxing (i.e. to the  
hospital  
Ap. 15,

You can direct date of letters by what I say. Send me nothing after Ap. 15,

11  
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(G. Hooker)

Mrs Walter Deane

9 Brewster Place

Cambridge, Mass.



755 Grenmont St, Boston, Mass.

Arrived here Saturday morning in  
a snow storm.

Glad to see you whenever you choose to come.

T. M.

Care of Dr A. B. ~~Brook~~

No 9 Bowmaker Place. Cambridge, Mass.  
to Mr Walter Deane - This.

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Embossed Stationery  
No. 9 Bowmaker Place  
Cambridge, Mass.

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