

West Chester, July 11. 1836.

①

Dear Sir, I duly received yours of the 10th of June, and have endeavored to engage some of our young Botanists, to collect the Graepes, &c. for you, which you designated. They will probably not obtain the whole list; but I am in hopes they will get the greater portion. I will at least take care that some of them shall be had, if I have to do it myself - & if I were not so much engaged with my Flora, I could & would procure the most of them. Perhaps, if we live another year, I may supply the omissions - if they should then be desired.

There is a work on Compositae which I am anxious to see; & I would thank you to inform me if it can be had in New York. It is by Lessing; & I think is intitled Synopsis Generum Compositarum, - or something like that. I have ordered it from Europe; but I fear I shall not receive it as soon as I shall want it. If Dr. Torrey, or any person of your acquaintance, has a copy of it, I wish you would try to procure the loan of it for me, until my own arrives. If you can get it, please direct to me, care of Mr. Judah Dobson, Philad^a. I will take good care of it, & return it as soon as I receive mine - which will probably be in about 3 months. I have done with Dr. Torrey's Benthams; & have left it with Dr. Pickering, as requested, to be returned. It is a capital work; & I have ordered a copy for myself. - Pray inform me if Dr. Torrey received a small parcel of Helonias latifolia, which I

I sent from New Jersey, on my way home from New York. I found an immense quantity of it in a Cedar Swamp, at Union Hall, about 8 miles from Pemberton. It was rather past flowering, & of an unusually large growth, often 4 feet high, or more. I think I could have collected a cart load of it. I mention this because Dr. Pickering told me Dr. Torrey had doubts of its being indigenous, & talked of expunging it from the American Flora. I collected it in the same place 26 years ago. — I have taken the liberty to trouble you with this letter, because I suppose Dr. Torrey may not be at home.

I trust you will excuse the freedom, & believe me very respectfully,

Yours, &c.

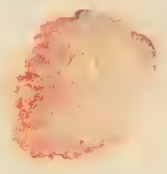
Wm. Darlington

P.S. I forgot to request that you would also order to be sent to me the last number of the Annals of the Lyceum — directed to Mr. Dobson; with whom I will settle for it. I believe it never comes to Philadelphia unless expressly ordered. — I purchased a copy of your elementary work on Botany, at Mr. Dobson, and am delighted with it. It is decidedly the best that has ever appeared in this country; & I have recommended ^{it} to my young friends, accordingly.

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PAID

Dr Asa Gray
City of New York



West-Chester, Penn. Aug. 13, 1836.

(2)

Dear Sir, Yours of yesterday's date is just received. I am much obliged by your kind attention in forwarding Seppin's work to Philadelphia for me - as also for the last No. of the Annals. I expect to be in Philadelphia next Wednesday, when I hope to receive the package. I shall return Seppin as soon as possible. I thank you for the suggestion of Nees von Esenbeck on the Actes. I wish you had included it in the package. If you can find a safe conveyance for it, & any other good modern work upon any of our Compositae, I shall be very happy to have the use of them for a short time, - as I shall need every help I can any how obtain. Do, pray, forward Nees by the first safe opportunity. I hope to be at work among our Compositae in a few weeks. I am now hard at the Leguminosae; and have just had a tough siege with our Desmodium's. Two or three of the species are in much confusion, I think; & I am not certain that I have been able to extricate them; but I have done the best I could. Next come the Lespedezas, which are nearly as bad. How I am to get through with the Actes, Solidagos, Eupatorium's, et id genus omnia, is more than I can tell. I sometimes get nearly out of heart, & wish I had not attempted it; then I rest awhile, and at it again!

I wish you could persuade Dr. Torrey to commence
the publication of his N. American Flora.
I have been thinking a good deal on the subject,
and have satisfied myself that it would be better
in every point of view, to publish such a work
in numbers, instead of waiting for materials
enough to make a volume. In the first place,
by publishing in numbers, (such as Benthams,
for instance, on the habits) - he can make the
sales pay for the work as he goes along - he
can obtain a better price for it, by issuing it
in numbers - and can be at once exciting and
gratifying the appetite of the Botanical public,
instead of keeping them so long in suspense.
The work published in this way would not seem
so heavy an undertaking; and, moreover, he would
have the benefit of all the suggestions of omitted
plants, or of whaton might occur to his numerous
American ^{readers,} as suitable addenda, or corrigenda,
to be inserted in the concluding number - which,
by the way, is a consideration of some importance
in a progressive Science, like Botany. I cannot un-
dertake to enumerate all the reasons which
occur to me, in favor of the plan here suggested,
but if you & the Doctor can only see the subject
in the same light that I do, I flatter myself
you will help urge it, & he will begin a com-
mencement, without much further delay. Time
is too precious to procrastinate such undertakings.

Dr. A. Gray, New York.

In haste, yours truly,

Wm. D. Coalington

CHESTER
AUG 4
1861

PAID 10/20

Doctor Ana Gray

City of New York

Philadelphia, Sept. 1. 1836. (3)

My dear Sir, I am quite distressed at not finding here, the copy of Leffing's work on the Composites, which you were so good as to inform me you intended to send for my use. I am now ready to commence that family; & my printer, as well as myself, must be idle until I can have the use of that work. I suppose you have been disappointed in an opportunity to forward it; But if you can cause ^{it} to be safely sent, soon, at any reasonable cost, I will gladly pay it, for the sake of getting to work again.

So, my dear Sir, drop me a line, informing me what I may calculate upon. If you can send it to Dr. Pickering, he will forward it to me immediately. If you can not find a conveyance soon, - I yet can leave it so that it can be certainly had, by sending for it, - I think I will send my son to New York for it, rather than remain idle. It would, however, greatly oblige me to have it forwarded; & pray do not forget to send Nees & Eschenbeck, on the Asters, along with it. Neither of those

works can be had in this City, - or I would
not trouble you; & I feel unwilling
to proceed without consulting them, and
profiting by them, as far as I can.

I hope you will have returned from
your proposed excursion, by the time
this reaches you - & that I may
have the pleasure of hearing from
you very soon. I am in haste,
your obliged & obed^t

W^m Darlington

Dr. Asa Gray,
New York,

West Chester, Penn. Octo. 10. 1836.

(4)

Dear Sir, I received yours of the 6th on Saturday evening - & also one at the same time from Dr. Torrey, on the subject of the South Sea Expedition. I am unable to speak, with any positiveness, respecting Mr. Nich's qualifications as a Botanist; as my acquaintance with him is but slight. A few years ago I received some specimens from him. I have some reason to think he is what may be called a respectable Botanist; but I confess I have some doubts of his attainments; being such as would be desirable in such an expedition. He is, I think, the brother of Mr. O. Nich, who formerly published a little work on the American Genera. He is, I believe, a gentleman of much respectability; & his standing at Washington has doubtless rendered him a prominent candidate in the eyes of the Secretary. From the intercourse heretofore subsisting between us, I should feel a delicacy in writing to the Secretary any thing which might be considered as thwarting his views (though I know not what they are). I took the liberty of addressing the Secretary, in the strongest terms I was master of, in behalf of Dr. Pickering & yourself; and I hope, for the credit of the Country, that you, & such as you, may be appointed for every department of the service: but I fear you are totally misinformed as to my having any particular influence with the Secretary. If any thing like influence is requisite to secure the desirable results, I hope you & your friends will apply to the proper sources of it without delay. I should rather doubt the policy of my being very officious in this affair - as I am not considered officially, by the present administration: but I do assure you, if I shall find that I can be of any service to Dr. P. or yourself, it will give me sincere pleasure to render every aid in my power.

In haste, Yours sincerely,
Wm. Darlingston

Dr. A. Gray. N. Y.

For Dr. Gray.

West-Chester, Penn: Jan. 4. 1841. (5)

Dear Sir, When I had the pleasure of seeing you here, I think you mentioned that you had facilities for procuring some works from Europe, which neither I, nor my Bookseller in Philad^a, seem to possess. It has occurred to me, that you could probably obtain for me a complete copy of Endlicher's Genera Plantarum much sooner than I am likely to get it, through the channel by which I am now expecting it. If this should be the fact, you would greatly oblige me, if you would order a copy for me - to be sent as soon as the work is completed. I would not desire any of the numbers to be forwarded until the whole is finished; but the moment the last portion is published, I should be glad to have an entire copy. If you have any correspondent, or acquaintance with any Bookseller, in Europe, who would promptly send a complete copy, in numbers, as soon as the last one appears, you would do me a special favor by ordering it for me. Please let me know if you can manage to gratify me in this particular; for I am in a violent hurry to possess the entire work. If you can, you may either let me know when you receive it, so that I may send for it: - or if an opportunity offers, you may send it to Mr. Dobson, ^{Also send a bill of the cost, which} in Philad^a ^{should be promptly attended to.} I should hope the work will be completed by next spring. I suppose I shall get another copy, some day: - but if I do, I will dispose of that to some one else. The receipt of it is so uncertain, that I feel as if I could not wait for it. I just missed seeing Dr. Torrey, the other day, in Philad^a. We left the same afternoon that I reached the City. I received the two pamphlets which you sent by him, from Mr. Seward: for which you will please accept my thanks, & those of Mr. Townsend. They contain a very interesting notice of European Herbaria. - I am writing to my Son, in New York - who will hand you this half sheet. I haste,
Dr. A. Gray, New York. - Yours sincerely, Wm. Darlington

Printed Apr 23 West Chester, Penn: April 12. 1841. (6)

My dear Sir, In consequence of what you said, when I had the pleasure of seeing you here, about getting some memoir of my friend Dr. Baldwin, I cast about to see what I could do. The materials, for a Biography were so meagre, & his life so destitute of those incidents which give a stirring interest to the memoirs of public men, that I did not feel able to make much out of them. But, on turning to his Letters to me - which I had not perused for several years, - I became so interested in them, that I thought they might possibly interest others - and serve as a substitute for a memoir. I accordingly set to work, and transcribed the greater portion of them; & now send what I have done, for your perusal - if you can find the time to run over the sheets which accompany this.

As I have stated in the introductory letter to yourself (which might serve as a kind of Preface to the work), I thought his Letters would give about as correct an idea of the man, - his movements, researches, disposition, & general character, - during the most interesting period of his life, as any Biographical sketch that could be written. If you should think what I have here: with sent, worth preserving in a more permanent form, I would endeavor to ascertain if a small neat edition could not be printed - say 500 copies duodecimo size - with a lithographic copy of the Dr's Portrait, now in the Philad^a Museum, by way of frontispiece. I suppose the manuscript would make about 150 pages duodecimo: And assuming, for a moment, that it may be worth printing, I wish you would inquire of the Messrs, or some other established house, what would be about the fair cost of publishing 500 copies of such a performance, in a neat style, in New York. This would serve as a guide to me, in case I should resort to a Philadelphia printer. This, however, is all incidental. I should not think of publishing it, without your entire concurrence in the propriety of it. I may have been entirely misled in my estimate of the Letters, by my feelings of attachment to their author. I am aware that there would appear an immense deal of egotism, in giving them to the public - but that could not well be avoided without rendering them formal, & destroying that easy familiarity ^{in my view,} which is their most agreeable characteristic.

I have no idea that such a work as this would interest the public, in the technical sense of that word; but I believe there are a good many persons in this region - old friends, and others, who cherish the Doctor's memory - who would like to possess some memorial of a man they so highly esteemed; and perhaps the amateurs of Botany who are scattered, here & there, throughout our country, might be somewhat interested in the Remains of one of the most zealous & amiable of our Pioneers, in the investigation of indigenous plants. All depends, however, upon the previous consideration - are they worth the trouble? and are they worthy of the object aimed at? This, I commit to your unbiased judgment. When you have looked over the Manuscript, be so good as to hand it to my Son, (who is in the office of Mr. Greeley, in Ann Street) who will take charge of it, & return it to me. You can drop me a line by mail, informing me of your opinion on the matter. I shall await your decision with interest, but not with anxiety; because the only concern I feel, in relation to the subject, is, that nothing should be done, in the way of tribute to the memory of my friend, that is not worthy of him, & appropriate to the occasion.

I hope the task I have thus ventured to impose upon you, will not interfere improperly with your other business. I suppose you are engaged in getting out a number of the N. A. Flora - which I heard, some weeks ago, would be forthcoming speedily. I am waiting to see it, with fidgetty impatience; & trust we may have it ere long. My Son wrote me, that you were so kind as to undertake to procure for me a complete copy of Endlicher's Genera so soon as the next part, or number, should be published. I feel much obliged by your kindness - as I am exceedingly anxious to possess the whole of that work, as early as possible. When you receive it, please hand it to my Son - or forward it to Mr. Johnson, or Cary & Hart, Philad. (with a bill of the cost) - by the first convenient opportunity. The parcel of Compositae

which you borrowed, you may also hand over to my Son, when you have done with them. He can bring them with him, when he pays us a visit, without giving you the trouble to seek another conveyance. I suppose he will be coming to West Chester, in a few weeks; but do not send them, until you are entirely done with them.

I took the liberty, a few days since, to send you & Dr. Torrey each a copy of a sort of Discourse on the Grasses - which I presume has reached you. I did not send it for the sake of any information it contained; but merely to let you see how I had to treat such a subject, in a lecture to a mixed audience of Men, Women, & Children; - nine tenths of whom were altogether unbotanical. I printed it in a cheap form, merely for the purpose of distribution among the young folks, in the hope of thereby turning the attention of the more docile to such subjects.

I shall be gratified to hear from you, when your convenience permits - & to learn all the news in the Botanical world; especially in reference to the N. A. Flora, Endlicher's Genera, and De Candolle's Prodrromus. If I had those works, complete, I would endeavor to rest content with my Botanical Library, for the residue of my days. Remember me respectfully to Dr. Torrey, and believe me sincerely yours,
Dr. A. Gray, }
New York }
Wm. Darlington

Doctor Asa Gray

with a parcel; }
Care of }
E. C. Burlington, }
New York Office. }

New York

And Mrs. West Chester, Pa. April 16. 1841.

(1)

My dear Sir, Your favor of Tuesday Evening came to hand yesterday. I am glad to learn that you have got through with the formidable Genera, Aster; and hope soon to see the number containing the result of your labors. I can entirely sympathize with your difficulties in that work, - for I spent days, and days, with them spread out before me, comparing plants with descriptions, and pondering, and guessing what might be intended by the several authors, until I was sometimes almost crazy. Your means of deciding, however, have been much more numerous & satisfactory than mine; for I was like a young navigator in the midst of shoals & rocks, in an unknown sea, with a very imperfect chart to guide me. I had, therefore, frequently to steer by guess, & trust to luck; and it ought not to surprise any one, who knows the circumstances, if I often got in the wrong channel, or ran aground. I trust that, with the valuable aids & opportunities you have had, you have at least unravelled the confusion of synonymy, and enabled us to know what your predecessors have meant. If you have been able to brush away, or satisfactorily to dispose of, the many nominal species which have been created out of varieties, you will have rendered a most acceptable service to the student of American Aster.

From my slight acquaintance with our Solidago, I incline to think you will not have so much trouble with them; - though I suspect there are a number of so-called species, which will be found, on further examination, to be nothing more than varieties. But still, those varieties, will require to be carefully noticed - their pubescence, serratures & inervation of the leaves, & the disposition of the flowering branches, &c. &c. in order to enable us to know what to do with them. There is scarcely any thing more embarrassing to the student, than those equivocal specimens which seem to belong about as much to one species, as to another, - as described in the books.

You need not take the trouble to return the Stems, until you have done with the Slides. When you have done with them, you may tie up the whole together, and leave them with my son, at Mr. Greeley's office, 30. Nass Street, who will take charge of them.

I shall be curious to see the work of Lindley, to which you refer; and if I can prevail on any of my friends here to take copies, I shall do so with great pleasure. I think it probable a few of them will be glad to have it.

I hope and trust you will soon receive the residue of Endlicher's Genera - I wish it a complete copy for me. I am exceedingly anxious to possess it entire, so that I may go to work and study it, while I am yet in a condition to profit by it. I find myself getting old so fast, that I sometimes almost despair of living to see the end of those valuable works now in progress.

The prospect of our good friend, Sir W. J. Hooker, being placed at the head of a great national establishment for promoting Botanical knowledge, is highly gratifying. As the Spaniards say, may he live a thousand years, to enjoy and adorn it!

Along with this, you will receive a package of Manuscript, and another letter which I wrote you, a few days ago. I hope to be able to forward the whole by a private conveyance, shortly. If you can find time to look over the manuscript copies of my friend Baldwin's letters, I think you will find them - or some of them - rather interesting.

Nothing will be more gratifying to me, than to hear from you as often as you can indulge me with a line - and especially to learn all the Botanical gossip of the day.

With best respects to Dr. Torrey, I remain

Dear Sir, yours sincerely

Wm. Darlington

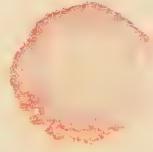
Dr. A. Gray }
New York.

He p.

Dr. Asa Gray

care of
E. C. Darlington

New York



Answer,

West-Chester, Pa Aug. 14. 1841.

(8)

My dear Sir, Young of yesterday came to hand this morning. I am glad to find that you are preparing a notice of your late excursion for Pillsbury's Journal. Your Botanical contributions to that work give much additional interest to it, and I think must be of material advantage in the way of sustaining it. Now I am, that I should not take it, were it not for that new feature in its character. I always thought it ought to have been the common medium for conveying to the public the discoveries & proceedings of scientific Americans - instead of multiplying a parcel of half-storied, abortive attempts at independent journals, & annals. If it had always contained an abstract of the progress of the Natural Sciences amongst us, and given a comprehensive, yet condensed, view of what was done, & doing, in every department of Science, in our Country - together with a sketch of like matters abroad - it would have been one of the most popular publications of the day. It would have been a kind of universal Bulletin of Natural Knowledge, and I am confident would have been in much greater demand than it ever can be, while it gives such longwinded Essays on abstruse Mathematical, & other dry subjects. I hope you will continue your contributions, & be instrumental in effecting what I consider an important change in the plan of the work. - But to your request.

I am afraid your memory has misled you, respecting the supposed Saxifraga in my possession. I have no recollection of such a plant; but, to be certain on that point, I have looked over all the specimens received from Mrs. Buckley, and do not find any Saxifraga among them. I have a faint recollection of asking you something about the S. saxifraga, in my Herbarium; but it was a cultivated specimen, which I obtained from Mr. D. Townsend - and

which is frequently to be met with in the flower pots of the
curious. I had long noticed the plant, without knowing
what it was; & not seeing it in flower, I did not even
know it was a *Saxifraga*, until I obtained the specimens
referred to. I am sorry to thus disappoint your
expectations; but I am confident I have no such plant
in my collection. The only remarkable *retine* species
in my possession, is the *S. leucanthemifolia*, received from
Mr. Curtis, - & which is noticed in your *Flora*.

But now I come to think of it, I do recollect telling
you about a species which tradition said had been
found in the mountains of Tennessee, by the nephew
of the late Humphrey Marshall; but which I had
ascertained to be the *S. crassifolia*, a native of Siberia:
and therefore, that the tradition was obviously erroneous.
I think this must be the circumstance, of which the
traces are yet lingering in your recollection. It is
the name of Marshall, which in your memory has become
blended with that of Bartram; & I am now satisfied that
this is the clue to the mistake. The *Saxifraga crassifolia*
was a long time in Marshall's garden, & in John Jackson's,
(another Old Botanic Garden in this county) without a name,
and with the above-mentioned story of its origin; But
finding it in flower & fruit some years ago, I ascertained
that it was well described - & that the true history
of the plant had been lost, & blended with some fic-
titious recollection. - I am delighted to hear that
you have rediscovered *Carex Proserpi* - & still more that
you have a specimen for me. I can well appreciate
your gratification on meeting with it.

I have been engaged this summer, in revising my
Herbarium, & arranging it according to *Endlicher's Genera*.
I have got as far as the *Sabiata*; & having only eight
numbers of *Endlicher*, am, of course, nearly as far as I can
go, until I get the residue of the work. I am very
impatient for the continuation - as I can only work
comfortably, in our Cabinet, during warm weather. It

occurs to me, that if the copy you have ordered for me does
not come soon, - & you should not be actually using numbers
nine, & seq. - I should be greatly obliged if you would
lend me those numbers, so that I may go on while
I have leisure & health. If you can spare me the
numbers wanting, or 3 or 4 of them (say nos. 9, 10, 11, & 12.) for a few
weeks, I can continue my labor - & will be soon ready
to return them to you. They would come safely by *Baldwin's*
Express to Judah Dobson, & would be returned by the same
conveyance. If, in the mean time, my copy should arrive,
you might retain the corresponding numbers out of my
parcel, & forward the balance. This would save the trou-
ble of sending yours back again. I expect to be in Phi-
del- in a couple of weeks; & if this suggestion
meets your approbation, you will please
to send the parcel to Mr. Dobson about the
24th of the present month - in case my own
copy do not arrive in the mean time.

I am doing nothing further, at present, with Dr.
Baldwin's Remains; but intend resuming the subject
the ensuing winter. Dr. Torrey has furnished so much
additional matter (which I supposed had been lost,) that
it will be necessary to remodel the whole matter,
& perhaps omit many of the letters to myself.
If I live, I will see what I can do, as soon as I
get through with my *Herbarium*. I still think
it is due to the memory & merit of my friend
to prepare some account of his labors in the
cause in which we take so much interest; and shall
not lose sight of the project. -

I hope you are now prepared to go on, with all reasonable
despatch, with your *Flora*. Do let us have it as fast as possi-
ble; for I am growing old so fast, that I almost despair
of seeing a complete account of our known plants, while
I am in a condition to profit by it. I am quite out of heart,
with respect to *Dr. Candolle's Prodomus*. In haste,

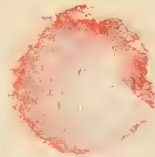
Yours sincerely,
Dr. A. Gray, N. York. - Wm. Darlington

POST OFFICE

PAID
/ 2

Doctor Asa Gray

City of New York



and 23. Oct.

West- Chester, Pa. October 4, 1841.

(9)

My dear Sir, A gentleman of this place expects to go to New York, some time this week, and I have concluded to send by him your numbers of Endlicher. The season is now so far advanced that I cannot work any longer without fire; and as it is inconvenient to have a fire in our Cabinet, I shall postpone the further arrangement of our Herbarium until the return of warmer weather. Before that time, I hope to receive the copy of Endlicher which you have ordered. I have completed the new arrangement of the Herbarium as far as to the end of the order Caryophyllales; and have 38 large volumes, carefully arranged according to Endlicher's method, - with labels containing all the principal Synonyms given in the Systematic works in my possession, - as the result of my summer's labors. It will take me good part of another summer to finish the task, and dispose of my duplicates in such manner as to have them conveniently accessible when wanted for exchanges, &c. I feel greatly indebted to your kindness in lending the numbers now returned, - & hope they will come safely to your hands. You will oblige me by dropping me a line, informing me of their safe arrival, - as I shall be anxious about them until I hear you have received them. On the whole, I have been much pleased with the grouping of Endlicher's Genera, and think he has been, in the main, very successful in forming natural families. I hope, for the sake of stability in the science, it will be made the basis of all future systems, & only be modified so far as new discoveries, & the correction of palpable errors, may require. No doubt, he has indulged his imagination sometimes, - and may have decided precipitately, in making some of his changes; but wherever he is essentially correct, I do think we ought to adhere as closely as possible to his method. It seems to me we shall have nothing but chaos, in Botany, so long as every ingenious author takes the liberty of revolutionizing the arrangement according to his fancy. The mere transposition of families can never be essential. What we want, now, is accuracy of details. Truly natural groups can be as well studied in one

one arrangement, as in another: and as Endlicher has mainly restored the original scheme of Jussieu, I am strongly impressed with the opinion that it ought, hereafter, to be adhered to as closely, and as faithfully, as the truth in nature will permit. This, however, by the way. - Not having in my possession many of the works referred to, by Endlicher, I have been a good deal puzzled, at times, to ascertain exactly what species ought to be assigned to a number of his Genera, as now constituted. This was especially the case with some of his Caryophyllidæ; and also in some other modified genera, & families. I could not make out what he has done with our American Justice. Has he retained them in that genus? or are they transferred to some other? It strikes me that we shall need a complete & accurate list, or catalogue, of the species belonging to each genus of Endlicher's work, before such humble inquirers as I, with inadequate libraries, can satisfactorily determine how they are all disposed of. - While at work, the other day, I observed a little Gratiola, in my collection, which Dr. Baldwin gave me in 1818; and which I do not find described. It is a diminutive plant, with subulate leaves, collected by Dr. B. in Georgia, or Florida. He called it G. subulata. Most probably he had other & better specimens in his collection. Do you know any thing of such a species? It is not mentioned in Elliott. - I also found a little Sindora, which he gave me at the same time, by the name of S. filiformis, collected in Florida. On comparison, I found it to be identical with the one you sent me, recently, with the name of S. refracta. - I hope our Southern & Western Botanists send you all their new, and doubtful plants, - so that they may be noticed in the Flora. I received from Mr. Buckley a Justice, which he thinks a new species. I trust he has also sent you one of the same, so that the fact may be ascertained. - I was highly gratified to receive from you the Cardamine rotundifolia from Michaux's locality. It turns out, as I suspected, to be perfectly identical with our Chester County plant; and if it be not specifically distinct from the common tuberous-rooted plant,

(C. rhomboides, or Arabis tuberosa), I am strongly inclined to think there are many other nominal species of plants which ought to be reduced to varieties. It may be, that I am unduly pertinacious on this point, in consequence of having endeavoured to establish their specific difference in Peltandra's journal, a few years ago; - as you know men are said to be more obstinate, when they have committed themselves in a book! However, I must say, that I find myself daily more & more inclined to regard differences in plants as mere varieties - especially since I have become enamoured of Goethe's doctrine of the metamorphosis of the external organs; and I am not sure, that, in time, I might not be brought - as it is said of Linnæus - to doubt the existence of species, altogether! of Linnæus - to doubt the existence of species, altogether!

I do not wish to tax your valuable time too heavily, but I should be extremely gratified to hear, every few weeks, how you are getting along with the N. A. Flora. It is so great a work, that I feel very anxious to see it pushed to a conclusion with all practicable despatch. We are all subject to so many casualties, that it seems important, in such a work, to avoid all unnecessary delay. If we can only have it completed, in the same style in which it is thus far published, it will be an inestimable treasure to every American student of our Plants; Next, if any thing should happen to prevent its completion, by Dr. T. & yourself, I greatly fear it never would be finished - & certainly not as you would do it. Hence my anxiety to have you go ahead with all convenient speed; and hence, I hope, you will excuse my reiterated importunities on this head. - My interminable epistles, I fear, will be deemed a great bore by you; but I hope you will put the most favourable construction on them - & believe me ever yours,
Yrs Darling-ton
Dr. A. Gray, New York.
P.S. Whenever my copy of Endlicher arrives, please to send it (with a Bill of cost & charges) by Harnden's line to J. Dobson, Philad. - My best respects to Dr. Torrey.

unreadable

Dr. A. A. Gray

New York



West-Chester, Penn. Dec. 4, 1841. (10)

My dear Sir, more than a month ago, I received yours of Octo. 23. and, subsequently, the account of your excursion to the Mountains of N. Carolina - with a copy also for Mr. Townsend, - for which we unite in returning you our sincere thanks. Various engagements have prevented an earlier acknowledgment of the favor; but the sense of it has not been the less lively, on that account. Your expedition to Carolina must have been exceedingly interesting to yourself, and you have continued to render the description of it no less so to your readers. You will readily believe that I was highly gratified to find myself sustained in the conviction, to which I long since arrived, that our Cardamine rotundifolia was identical with Mex. and that it is specifically distinct from the common C. rhomboidea. The specimen, received from you, is exactly the plant which is found here - & which I sent to De Candolle twenty two years ago. He confirmed my opinion; & every year's observation, since, has only tended to strengthen that conviction. More than eleven years ago, I sent a note to Silliman, on the subject - which you may find in the 18th volume of his Journal. Your Carolina specimen, however - backed as it now is by your opinion - has, I trust, settled the question, conclusively. - I am truly glad to learn that a second edition of your Elements is called for. I am not aware that I can afford any assistance, as to the form, or modification, which the new edition ought to receive. I can only say, generally, that the more clear, intelligible, and methodical you can render it - by the arrangement of the facts & inductions - the better for the learner. I thought the first Edition excellent, in that respect; but the suggestions, you have intimated, may still further tend to enhance the value of the work. By

examining & comparing the existing elementary books, you may be enabled to profit by the excellencies of each - and, I doubt not, to re-cast the whole, to the best advantage. Have you seen the younger De Candolle's "Introduction à l'étude de la Botanique", published in 1837? It is a very comprehensive & philosophical work - of numerous, but short chapters - treating of almost every thing relating to the Science, in a brief way. I have a copy which is at your service, if you have not seen it - or would like to examine it. I do not know that it would aid you much - as the plan is so different from yours; but it might be satisfactory to have a glance at it. You know so well what learners require, that I am confident you can plan your own work so as best to aid them. I would, however, respectfully suggest, that it would be of great utility - more, perhaps, than you, with your present knowledge, are sufficiently sensible of - to prefix to the volume a complete Glossary of the Terms now used in the systems of the best modern Authors - such as De Candolle, Lessing, Lindley, Endlicher, &c. Indeed, I know of no Dictionary in which the terms, introduced by Lessing, and Endlicher, are explained: and in this country, especially, where so many of our young Botanists are deficient in classical learning, I consider it of vital importance that the means of comprehending accurately the language of Botany, should be within the reach of all learners. This, I conceive, can be best accomplished by a complete Glossary in the same volume which teaches the elements of the Science. In this view, I am confirmed by my own experience: for I have found, that if the explanation of unknown terms & phrases be not at hand, one is exceedingly prone to pass on, without exactly comprehending their meaning - or, what is even worse, associating erroneous ideas with them. But if the true meaning can be had, by merely turning to an alphabetical glossary, in the beginning of the same book, the student will soon become accurately familiar with those indispensable implements of knowledge. Let me, therefore, entreat you to favor us with such an important help, in your forthcoming Elementary work. I am confident

it will be a most acceptable aid to all learners, and greatly facilitate their advancement. As Endlicher's Genera will undoubtedly be a standard work, for years to come, it seems to me of the utmost importance that the language he employs should be rendered perfectly intelligible to the student.

I am almost melancholy at the tidings of Prof. De Candolle's death. I have long dreaded that we should lose him, before he completed his admirable Prodromus. Is there any hope that the work will be carried on, & finished, in the same delightful form in which the latter volumes have been executed? Can his Son, with the aid of his father's collaborators, accomplish the task? Whenever you have any intelligence, on that head, or on any other interesting Botanical topic - you will confer a great favor on me, in my village seclusion, by imparting it to me. I shall also be most especially gratified to learn, every month, or so, exactly how you are proceeding with the Flora. I am even more anxious about that, than the Prodromus. If I could hear, every few weeks, what you were working at - although I could not aid you, I should sympathize in your labors, - and would enjoy a kind of Botanical clairvoyance, in an imaginary participation in the task!

It is my intention, this winter, again to look over all the Reliquiae of my dear old friend, Baldwin, and make such a selection, or compilation, as shall seem to me calculated to interest the lovers of his favorite Science, or be acceptable to those who cherish the memory of the man. I feel, however, that the increase of materials has somewhat enhanced the difficulty of this task. But whatever I do, shall be submitted to your inspection; & if it shall be judged worthy of the press, we will then see what can be done. I do not feel sanguine in the undertaking; but it will at least be a grateful employment for myself - and revive many delightful reminiscences.

You have, indeed, scored up my poor little Discourse, on the Graffen, in great style, and made me much your debtor. I had no idea that so small a matter could be dished, and set out so advantageously, on the déjeûner table of the Scientific! My best respects to Dr. Torrey - I believe me yours truly,
Dr. A. Gray, New York. Wm. Barlingtown

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Doctor Asa Gray

City of New York



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11
Wheat. Chester, Pa. Jan. 8. 1842. (11)

My dear Sir, My Son proposes to return to Albany, by way of New York, on Monday morning; and I avail myself of the opportunity to drop you a line, - though I have but little to say. I sent to you, the other day, a copy of a brief discourse on the appropriation of the Smithson Bequest, which I suppose you have received; and I now enclose to you a copy of a Poem, composed, & read before our Cabinet Audience, by one of the young men of this Village. It may serve to amuse you for a few moments, in one of your intervals of labour - if you have any such intervals. - I duly received your note, with my parcel of Aster & Slidegors - & also the Sheet of the work on Agriculture, &c. for which you will please accept my thanks. I am very glad to learn that you ^{have} got through that difficult genus, Helianthus, with something like satisfaction; for I think it has been in great confusion. I shall be gratified to receive a sheet now and then, when you go to press - so that I may see how you are getting along.

I still indulge the hope that your Bookseller will be able certainly to get Ludlow's Geneva for me, before Spring, - as I shall be very anxious to go to work at our Herbarium again, as soon as the weather permits. It seems strange, when Ships are crossing the Atlantic every week, that it should require so long a time to procure so eminent a work from Europe. My task of arranging our Herbarium is farther from being completed than it was a year ago; for I have this winter received more than a thousand new additions to it, from Mr. Durand. They were part of Rafinesque's & L. Collins's collection; & many of them very interesting - from Egypt, Palestine, &c.

I have made a beginning at selecting, among
the Reliquia Baldwiniana; and find it will
be no trifling undertaking. I think I will
transcribe all his correspondence with Mehlen:
berg - & some of his other letters - so as to have
all together; & then will submit them
to you, to strike out such as you think
might be omitted - if you should have
leisure, & feel disposed to take that much
trouble. I do not know that any of the
Booksellers will be willing to publish the
collection; but I will get the letters all
together, & see what they look like. If
our American Publishers do not choose to risk
the publication, the Manuscript can be kept
to some future day - & will at least serve
as a little memorial of my friend's labors in
the cause. The Booksellers are much more ready
to publish some trashy novel from abroad,
than to risk any thing on such a work as this.
However, I will endeavor to get it ready - & then
be governed by circumstances.

In haste, yours very sincerely
Wm. Barlington

Dr. A. Gray, }
N. York }

P.S. I shall always be glad to hear from you,
when you can spare that much time - & especially
to learn your progress with the Flora.

Dr. Aa Gray

New York

West- Chester, Penn^a. Feb'y. 9. 1842.

(12)

My dear Sir, Yours of Jan'y. 31. was received on the 3rd inst. I got my copy of Endlicher two or three days after I last wrote; and am very much obliged by your attention. I presume the Draft answered the purpose, in paying Wiley & Putnam - as I have heard nothing further respecting it. It was a narrow escape, too; for the Broker, of whom I purchased it, failed a few days afterwards, - as I understand. These are indeed critical times, in money matters - & rather unpropitious for Botanical pursuits. But still, I hope your printer, and yourself, may be enabled to persevere - and to give up the Plan with all possible despatch; so that I may have the pleasure of seeing it before I die. I have almost given up the hope of ever seeing De Candolle's Prodrôme completed; and this makes me the more impatient for your great work. I am much obliged to you for ordering a copy of Wurtt's third volume for me. As he began at the other end of the System, I trust that between the two [i.e. Wurtt & De Candolle] I may yet have a chance to see a tolerably complete list of the Vegetable Creation, as far as it is known. But as the Fathers of Botany are dying off, it behoves the younger ones to exert themselves, while it is yet in their power, to keep the discoveries of the age posted up. I have great confidence in your energy, and skill, in performing what is due from this side of the northern Atlantic; & can only reiterate my best wishes, and urgent entreaties, for your successful progress.

Our Schools, here, do not commence their Botanical lessons much before the month of May; so that, if your Handbook should be ready by that time, it will be in good season. The number of those, however, who really make a study of Botany, as it ought to

to be studied, is very limited. There is an immense deal of numbering in this, as in almost every other branch of Education. Our Schools advertise a long list of Studies, and departments of Science, as being taught in them - among which Botany is almost invariably enumerated; and yet the Teachers are generally less acquainted with the real characters of the Vegetable Kingdom than the Cows which supply the Seminaries with milk. They advertise to teach every thing that is reckoned among the desirable ^{attainments} ~~things~~ in the education of youth; just as the Druggists proclaim their nostrums, as being adapted to all the infirmities which afflict the human body; and the public are gulled with about the same facility in the one case, as in the other. Some of our largest Schools, here, do not attempt, nor even profess, to teach Botany at all: But there ^{are two} - a Boys & Girls, - which do take a laudable pains to impart a rational notion of the subject; and I shall make it my business to urge the adoption of your work, as an elementary book. A young man who teaches School in the Country, some miles from this place - and who has a real taste for Scientific Botany - spoke to me the other day on the subject of an introductory work for learners, - a sort of A. B. C. book, for the youngest Beginners in Botany; and said he thought something of the kind was needed, preparatory to the use even of your Elements - to enable young persons to comprehend, & take an interest in, the ground work or first principles of the Science. I told him I had mentioned to you, that I thought a full & satisfactory Glossary of the Terms used - a simple & familiar definition of all the parts of plants, referred to in the description, & arrangement of them - would be a valuable appendage to your work; and that I hoped you would

would annex something of the kind to the next edition, as a ready help, both to young Students and inadequate Teachers. I wish you would think of it. I do believe that it would be highly useful to all concerned; and moreover give the book a more ready passport into our Schools. Scientific Naturalists, who have become familiar with their subject, are too apt to forget how obscure many things are to beginners - especially to those who have not had a classical education; and they can hardly realize the necessity of those simple explanations which untaught youth incessantly require. I told my young man, indeed, that it was the peculiar province of the Teacher to take up each subject as it presented, and illustrate it, practically, to his pupils, in the most easy & intelligible manner, - and that then they would soon comprehend, & become interested in, the more scientific features of the study: But still, I believe the aid I have suggested above, would often be very advantageous to the Scholar, when the Teacher is not present to explain. I have thought that a Preliminary chapter, something like Lindley's Outlines, or First Principles, - prefixed to your Elements, with his definitions perhaps somewhat amplified, or more fully illustrated, - would be a valuable addition; and furnish a very convenient text on which to discourse, and catechise pupils. You will, of course, make such use of these suggestions, as your superior judgment shall dictate, or expediency warrant.

Hoping to hear from you whenever your convenience permits - & to learn all about your progress - & the Botanical news of the day - I remain very truly yours,
Do. A. Gray,
New York.

Wm. Darlington

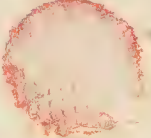
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Dr. Asa Gray

City of New York



Wheat. Chester, Penn: March 2, 1842. (13)

My dear Sir, I was glad to perceive, by the receipt of a printed sheet of the Flore, that we may soon expect another number of that most desirable work. I do trust that you will be enabled to go ahead, and give up the residue without much delay. I think it important that the work should be finished with all convenient despatch. We want an entire work, containing what is now known. We cannot get along, in our study of American Plants, without it; and I think it much more expedient to give up what you have, than to delay for the sake of making the Flore more comprehensive. Future discoveries must be given in future Editions. Let us now have what is already known. I know it requires time, & labor, to present what you have, in the most correct and approved form, - and for that, we must be content to wait. I only wish to impress upon you the importance, as I think it, of an early completion of your undertaking. In this, I believe you concur with me; and so you will be good enough to set down my reiterated importunities to the account of that impatience, which one of my age may, I hope, be excused for exhibiting. If the residue of the work should require as much time for its publication, as that portion which has already appeared, I can hardly expect to have much leisure for the enjoyment of the concluding number. But I will exercise all the philosophy I can.

I should be gratified to learn what progress you are making with the new edition of your Elementary work. As I know you will make it sufficiently scientific, and bring it up to the actual state of our knowledge, - so I hope you will not forget that it is for the instruction of those who have every thing to learn. Begin at the beginning - give up the A, B, C, of the Science, - and develop it so that the wisest Tyro may understand, or acquire from it, both the facts and the language. The language of Botany is a great stumbling block to Beginners; and hence it is, that I have taken the liberty to urge, so repeatedly, the importance of a full and familiar Glossary, in all Elementary works. A pretty full exposition

exposition of that beautiful Theory, of the gradual trans-
formation of the external organs, is, I think, now in-
dispensable, in an Elementary Treatise. No one can be
qualified to contemplate the vegetable kingdom in the
proper manner, who does not fully understand and
appreciate the Goethean doctrine of Metamorphosis.
It is the true and only expositor of the mysteries, or so
called anomalies, of vegetable forms, - a sort of spear
of Ithuriel, by whose touch the wildest monstrosities, and
most disguised Lusus Naturae, are reduced to their plain
primitive character. It enables us to see through, and
comprehend, at a glance, all the vagaries of vegetable
organization; and is, to me, by far the most delightful
truth in Natural Science, that ever broke in upon
my benighted intellect. Having derived from it so
much pleasure, myself, makes me anxious to see
the doctrine made plain & intelligible, and its im-
portance duly illustrated, in all books for Beginners.

By the way, I remarked a passage in the poem of
Paradise Lost, the other day, which shows that Milton
had very nearly broached the identical theory of Goethe.
Did you ever notice it? In the 5th Book you will find
Milton teaching, that all matter emanated from the

Deity - "Indued with various forms, various degrees
" of substance, and, in things that live, of life;
" But more refined, more spirituous, and pure,
" As nearer to him placed or nearer tending,
" Each in their several active spheres assigned,
" Till body up to spirit work, in bounds
" Proportioned to each kind."

He then illustrates this theory, by a reference to the
vegetable kingdom, - which seems to me to come
very close upon the Goethean doctrine. He says,

"So from the root
" Springs lighter the green stalk, from thence the leaves
" more

"More airy, last the bright consummate flower
" Spirits odorous breathe; flowers and their fruit,
" Man's nourishment, by gradual scale sublimed,
" To vital spirits aspire, to animal,
" To intellectual" &c. —

You perceive, Milton even goes beyond our Theory,
and out does Dr. Darwin, - by supposing an aspira-
tion to "vital spirits", - "to animal, to intellectual":
But it strikes me, that the allusion to the suc-
cursive development of the organs, - from stalk to
leaves, flowers, and fruit, - "by gradual scale sublimed",
is a close approximation to Goethe's views.
So difficult is it, now, to start any notion,
or theory, which is strictly original!

I believe I thanked you, in my last,
for ordering Kunth's 3rd volume for me.
When it comes, if there is a choice, I should
prefer to have it merely stitched, in blue paper,
(as the others were) - so that I may get it bound
to match the other volumes.

I do not wish to interrupt your useful
labour, by expecting letters to myself; but when
leisure permits, I shall be very happy to
hear from you, & to learn all the news of the
Botanical world. I suppose you hear frequently
from Dr. Hooker. I do not trouble him, of late;
because I have nothing to say, or send, worth while.

Please give my best respects to Dr. Fory - I believe
me, with the highest esteem, your sincere & obliged
friend,
Dr. A. Gray }
New York. }
Wm Darlington

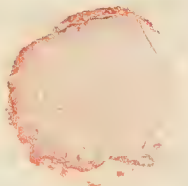
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12

Doctor Asa Gray

City of New York



West- Chester, Penn^a. May 9, 1842. (14)

My dear Sir, Yours of the 3rd inst. came duly to hand. I do most sincerely congratulate you on your appointment to the Professorship of Natural History, at Cambridge, - as I hope the situation is in every point of view such as may suit you: and, that being the case, I may also congratulate the lovers of Natural Science on the good advice which you will now be in a condition to render to them, and the Cause. I have anxiously desired to see you in a position in which you could comfortably devote your whole time to the pursuit; and it strikes me that this Professorship is the very place for you - if the Bostonians have but spirit enough to see justice done you in every respect; which I cannot doubt, I do not know what the income of the place is; but I trust it will be sufficient to make you quite easy, and leave your mind free to go ahead with your labors; and also to favor the public with the results, without embarrassment. The only objection which I perceive, is, that it removes you so much further from me, that I cannot hope for the pleasure of seeing you, as often as I should like. But I will cheerfully submit to the privation, for the sake of the advantage to yourself, & to Science. I hope to hear, soon, that one of the advantages, and that not the least, - is, that you will be able to go on rapidly with the Flora. I do think it of great importance, that that work should be urged to a completion with all possible despatch. I cannot die contented, without first seeing the Flora finished; and as I am now on the shady side of thirty seven years, I cannot but feel anxious that you should push it. The Botanical public, too, will necessarily feel impatient, so long as it remains an unfinished work. - I shall also expect, with a lively interest, the new edition of your Fert Book. I am in Philada^a nearly every week, - and as soon as it shall be

be in Carey & Hart's Bookstore, I shall be able to procure
a copy. - I perceive that Wiley & Putnam have issued
a prospectus for republishing a Dictionary of Science,
now in course of publication in England. I have seen
a few numbers of the work; and it seems to be a tolerably
comprehensive & Cyclopaedia-like performance. But the
Botanical portion does not exactly meet all the wants
of a Learner. There are a great many terms, in the
late authors, which are not explained. In fact,
a complete Botanical Dictionary would, of itself,
make a sufficiently large volume. I wish Messrs Wiley
& Putnam could be prevailed on to publish such a Dic-
tionary of Botany as the present state of the Science
requires - & such as you could prepare for them.
If you would take up the "Dictionnaire Raisonné des
Termes de Botanique et des Familles Naturelles," pub-
lished in 1831, by Lecog & Guillet, and make it the
Basis of a complete work, in our language - it would
be one of the greatest favors to Botanical Students
that could be done at this time. I wish you would
think of it, when you get fixed & settled in your
new establishment. I wrote to Sir W. Hooker, some
time ago, to inquire if he could not get some con-
-tributors in England to undertake it; but,
although he approved of the project, & admitted its
necessity, he did not seem to know of any suitable
persons. Why should not our Country contribute
such a performance to the Science? & why
~~could~~ not you show the old world, that,
while Noah Webster could give them the best
Dictionary of the English Language they ever saw,
you could furnish the most comprehensive
and complete Dictionary of Botanical Science
that has yet been compiled? You can do it, if you will.

I received a letter from Dr. Griscom, of your City, a
few weeks ago, accompanying a prospectus of a kind
of Botanical Magazine; - in which letter he asked per-
-mission to announce me as a contributor, &c. I had
misgivings that the work would be rather of a popu-
-lar & horticultural cast - or more adapted to amuse
Florists & Ladies, than to promote Botanical Science;
and I begged to be excused. I should like very well
to see a right kind of a periodical, devoted to Botany.
But I have no fancy for mere pictures of garden
varieties, & trite stories of well known plants. Still,
the work may be useful in promoting a taste for such
studies; and so I wished him every success.

I have done all I can with the
Reliquiae Baldwinianae; I am getting
the Manuscript bound into a volume
for convenience, of binding & keeping - even if
nothing more be done with it. I have transcribed
the Correspondence with Schublerberg - which makes
the collection about twice the size it was when
you saw it. I shall take the first opportunity
to send the volume to you. You can look over it
at your leisure, & mark with a pencil such
portions as you think ought to be omitted,
if ever printed. The whole is interesting to me; but
I am aware it may not be to others: - and hence
I submit the entire collection to your judgment;
to be pruned, corrected, or suppressed - as you shall
deem advisable. - I will return the MSS. to Dr.
Journey (which he sent me) the first opportunity.
In haste, yours truly,
Dr. A. Gray, N. Y. Wm. Barlington

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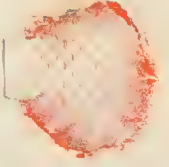
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Asa Gray, M. S. &c.

City of New York



Arrived July 13/

West-Chester, July 11. 1842.

15

My dear Sir, By the receipt of some sheets of your Text Book, I perceive the work is nearly through the Press, - which I am glad of - as I have been looking for it with some impatience. I am apprehensive, however, that it will be rather late, to find an opportunity a sale, this season, as would be deplorable. As far as I can judge, by what I have seen, it seems to be almost entirely a new work - and not a mere second edition of your Elements. And I am much mistaken if it do not prove to be the most instructive, & satisfactory elementary Treatise, which has yet appeared in our country. The plan appears to be something like that of the Morphologie Vegetale of A. de A. Hilarie, - which I have been reading with great interest: and I think your work will compare advantageously with A. Hilarie's, by being more condensed, - while it is equally clear & intelligible. I hope our young Botanists will avail themselves of it, generally - and become familiar with the beautiful Theory of Vegetable Morphology, as now received. But, the way Botany is now generally taught, will require a long time to infuse a correct and philosophical taste for the study. People seem to think knowledge consists in names, & technical terms. They are perpetually mistaking the instrument for the thing: if they can call a plant, or an organ, by some hard name, they fancy they know all about it; and do not even suspect that there are Laws of development, modification, & symmetry, which furnish the key to all true vegetable Science.

For myself, I can truly say, that since I obtained a glimpse of the Goethean Theory of Morphology, the whole subject has presented itself under entirely new views, - and has become invested with ten times the interest it formerly possessed: Hence I conclude, that the great object, now, should be, to impart those views to learners as early as possible. If we can succeed in that, Botany will become one of the most engaging of all the Sciences; and I trust your Text Book will be the instrument in accomplishing the desirable work, amongst us.

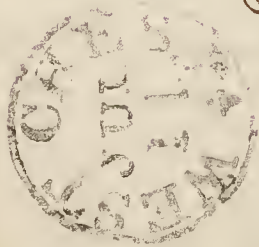
I suppose you are still in New York; and when you go to Cambridge, I hope you will inform me, - so that I may know whether to direct my missives. When you have leisure to write, I wish you would inform me whether there is a copy of the late edition of Reubel's Nomenclator Botanicus to be had in New York, and what is the price of it. If it does not cost too much, I think I should like to possess it, as a convenient aid in the study of Synonymy. I shall be very glad to receive the third Vol. of Reubel's Enumeratio Plantarum, whenever it comes to hand. I perceive, in Endlicher, a constant reference to Meisner's Gen., what is that work? Is it a new & comprehensive Genera Plantarum? Is it worth getting? Or is it superseded by Endlicher? I do not wish to buy any more superfluous works. Is there any intelligence of what is doing with the continuation of De Candolle's Prodromus? Please to give me a sketch of all the latest Botanical news - as I can learn nothing here.

I have transcribed all the Correspondence of Dr. Baldwin, which I thought interesting enough for publication - I perhaps much more than others will so think; And I have it all bound up in a volume, for convenience & safe keeping. I shall send it to you by the first opportunity - when you can look over it at your leisure - I mark out, with a pencil, such portions as you think ought to be omitted - if any ought to be published. I copied all his Correspondence with Muhlberg - as I thought that particularly interesting. - I shall return the whole of the M.S. which I received from Dr. Torrey - when I send my copy. You will please to hand the package to Dr. T. when you receive it. - I write now in great haste - being in the midst of my little Harvest; so you will excuse my desultory paragraphs.

Pray let me hear, also, when you write, what you are doing, at present, with Flora. Is there any hope of seeing another number, this season? I am exceedingly anxious to have it proceed with all possible despatch. Very truly & sincerely
your obliged Friend

Dr. A. Gray,
New York.

Windsor, N. H.

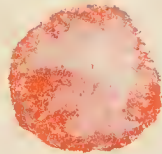


PAID

10/11

Doctor Ana Gray

City of New York



Wrest. Chester, Pa July 16. 1842.

~~My dear Sir,~~
And Sir,

My dear Sir, Your valued favor of the 13th was duly received - together with the copy of the Bericht ueber die ausserordentliche Sitzung der k. b. Botanischen Gesellschaft, &c. for which you will please accept my thanks. I would not have troubled you again so soon, but you kindly mention that you will speedily order a copy of the next vol. of Dr. Prodrromus for me: and as I have had a standing order in Paris, for several years past, to transmit that work to me as fast as it appears, (which has so far been complied with,) I thought it best to let you know the fact, before you should send off your order. An extra copy of a single volume might not readily be disposed of: and hence I wished to inform you of the circumstance in time to prevent the ordering of it. - But, if you think Wiley & Putnam could procure for me a copy of Aurede's Nomenclator Botanicus (last edition) with reasonable despatch, I should be obliged if you would get them to send for that work - & when received, forward it to the care of Mr. Dobson. It takes so long to get any thing from Europe, by our Philad^a: Postoffices, that I should be glad to avail myself of your kindness to get a copy of Aurede, via New York.

I am rather troubled by your request to notice your forthcoming work: not because my will is not good, for the undertaking - but because I feel so

so inadequate to the task. I am sure I shall not be able to do justice to the subject - I shall neither meet the views of the Botanical public, nor satisfy myself. But, as you have honoured me by the request, I do not feel at liberty absolutely to decline it. If I receive a copy in time to read it, I can throw together such remarks as Prof. Williman shall think fit to appear in his next Journal, I will certainly make the attempt. I never wrote any thing like a regular Review, in my life; so you must not expect more than a few desultory remarks, in my off-hand, undisciplined way. You do, indeed, want something like a regular Essay, to direct the attention of our Botanists to the true Philosophy of the Science; but I am not the person to undertake it. If ^{by my attempt} I can only induce some competent hand to engage in it, I shall be satisfied.

I have been much interested in a hasty glance over the notice of Prof. de Candolle, in the Revue; and if I can find time to attempt a translation - & should be able to satisfy myself, I will attend to it. I think it probable I can obtain the assistance of a German Gentleman, lately become a resident of our Village - Dr. Rivinus, who is a descendant of the old Botanist, of that name; if so, we may, between us, render it fit to be inserted in Williman's Journal. My time, however, is very much occupied with indispensable business - & all the leisure I can command is devoted to the arrangement of ^{our} Herbarium: so that I may not be ready for Williman's next number.

If your publisher should not send the Text Book to Carey & Hart, soon - I would be glad to have a copy forwarded to Mr. Dobson, by Hand, express, as soon as it is out of the Printer's hands, so that I may have all the time possible, to examine it, & prepare the notice of it.

That Flora of Brazil, by Endlicher & Martius, must be a magnificent work, and very desirable to all lovers of the Science; but it is entirely out of my reach. I am utterly unable to indulge in such fascinating luxuries; and my residence is so secluded, that I have not even access to a sight of them.

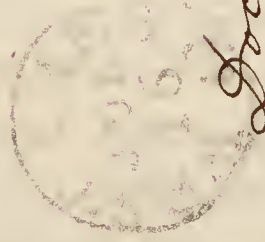
I am delighted with your proposed visit to our Village - when you next come to Philadelphia; & hope you will not neglect to make your arrangements so that you can spend a day or two with me. It would be of great advantage to me, & to our Herbarium, if you could take time to look over some of the principal families in our Collection - & set me right, where I am at a loss, or in error.

In haste, I remain, my dear friend,
your much obliged,

Wm. Darlington

Dr. A. Gray, }
New York, } What you favor me with a line, as soon as you get fixed at Cambridge?

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Doctor Asa Gray

care of Wiley & Putnam

City of New York



The Botanical Text Book for Colleges,
 Schools, and private Students; comprising, Part I.
 An Introduction to Structural and Physiological Botany;
 Part II. The Principles of Systematic Botany, with
 an account of the chief Natural Families of the
 Vegetable Kingdom, and notices of the principal
 officinal or otherwise useful Plants. Illus-
 trated with numerous Engravings on wood.
 By Asa Gray, M. D., Fisher Professor of Natu-
 ral History in Harvard University, &c.

To judge from the annunciations of the mail:
 titudinous Boarding Schools, and various other Se-
 minaries of Learning, in our country, one would
 be led to suppose that the Science of Botany
 must be very extensively taught amongst us;
 and that the American Youth, of both sexes,
 could not fail to be thoroughly indoctrinated
 in the true Principles of that most useful and
 elegant department of Natural History.
 Almost every Institution in the land - dedicated
 to the purposes of instruction - enumerates a dazzling
 List of the Sciences to be taught therein; and
 among the many attractions thus displayed,
 we usually find a conspicuous place allotted
 to the study of the Vegetable Creation. This
 is all very well, and highly commendable - as
 far as appearances are concerned: But what
 are the real facts of the case - the true cha-
 racter and condition of the Science - as common-
 ly taught in our Seminaries? Notwithstanding
 this parade of Professions - this promise of Bo-
 tanical Love, - so flattering to the hopes of Parents,

and to the ambition² of Pupils, - there is but too much reason to apprehend, that what has hitherto passed for Botany, in our Schools, has, for the most part, been vox et proterea nihil. It seems to have been taken for granted - both by Teachers and Pupils - that the Science of Botany consists in a formidable array of hard names, and uncouth Technicalities; and that, to become a Botanist, it is only necessary for the Learner to commit to memory a long list of strange words, - barbarous to the ear, and obscure to the understanding! No wonder the dismayed Pupil should regard it as an onerous and repulsive task, - or that such empty pretensions to Science should be generally deemed frivolous and unprofitable. This is the error so common in human pursuits, - mistaking the instrument for the object - the means for the end; as if the faculty of calling names could be fitly substituted for a knowledge of character, qualities, and relations. Names, and Terms, are but conventional implements, used for the designation of objects; and are the mere incidents of that real Science, which teaches the structure, functions, properties, and relations of organized beings. Yet it is to such unprofitable labor, as getting by rote a string of technical terms - without sufficiently comprehending their application - that the study of Botany has been too generally limited, in our Seminaries. A thorough knowledge of the structure and character of Plants - of the laws which govern the development and modifications of their external organs - of their

affinities and relations³ with each other - and of their economical, or other properties, is rarely attempted to be imparted, - and still more rarely is the attempt successful. We have the clatter of scientific machinery, without obtaining its valuable products. It may be observed, however, in extenuation of this general failure in Botanical instruction, that it is mainly owing to the defective Methods employed in teaching, - and to the want of suitable Elementary works, to initiate the Learner into the true views of the subject. We must have Teachers who can comprehend and appreciate those views; before we can expect the Pupils to profit by them; and we must have Books calculated to aid in accomplishing this desirable purpose. The helps hitherto employed, in this country, have been for the most part of an artificial kind, - and, moreover, exceedingly superficial in their character. But the want which has so long been felt, in this department, is now happily supplied by the work announced at the head of this article. The Text Book, of Dr. Gray, affords at once the most comprehensive and satisfactory view of the Vegetable Kingdom which has yet been offered, in an Elementary Treatise, to the American Public. In a style remarkable for its conciseness and perspicuity, the Author has traced and unfolded the vegetable structure, from its simplest forms up to its most complicated and elaborate developments.

ments. He has presented us with the First Principles of the Science, in accordance with the beautiful and truly philosophical doctrines of Hoff and Goethe, explaining the laws, and illustrating the processes, by which the external organs of Plants are gradually modified, or metamorphosed, from the crude Cotyledons of the germinating seed, to the most delicate component parts of the flower, and the fruit. We are thus enabled to comprehend, in the most satisfactory manner, all those curious combinations, and suppressions, of organs - those fantastic deviations from symmetry, or normal arrangement of parts - which have hitherto been considered so mysterious, and have so long baffled the sagacity of Naturalists. The admirable doctrine of Vegetable Metamorphosis has, indeed, given to the Science of Botany an entirely new aspect. As our Author, in his felicitous manner, observes, "the application of this Theory, like the touch of the spear of Mercurius, causes the most anomalous structures and disguised forms of vegetable organizations to reveal their typical state, and primitive character."

With this Text Book in their hands, the Teachers of Botany, in our Seminaries, may speedily elevate the study to its legitimate rank among the Natural Sciences. Fascinating as it has ever been to gentle minds - by reason of the beauty of its objects, - it may now be invested with an interest hitherto unknown to its votaries. While the Student will be attracted by those charms, so obvious to the senses, - his faculties of observation, and comparison, may find the most interesting employment, - and all his reasoning

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reasoning powers be exercised according to the strictest rules of logic and philosophy.

The investigation of the true characters of Plants will conduct him at once to a just estimate of their properties, - and enable him to judge correctly of their economical value: so that, while he is indulging in the pleasures of Science, for their own sake, - he may at the same time silence the cavillings of the mere Utilitarian, by demonstrating the practical importance of true scientific attainments. This is one of the eminent advantages resulting from an intimate knowledge of vegetable structure and Physiology, - and from the study of those natural affinities, which suggest the grouping of Plants into Families, or Orders: And such are the advantages which may be confidently expected from the general introduction, and proper use, of the Botanical Text Book, in the many respectable Seminaries of Learning, in the United States. The Principles on which the Vegetable Kingdom is classified, or arranged into Natural Families, are briefly but lucidly exhibited, in the second Part of the work; and cannot fail to be perfectly intelligible to every inquiring mind. When the Botanical Student shall have become familiar with the elementary Truths so ably set forth in this Text Book, he will have only to provide himself with a copy of the Flora of North America (now in press)

progress of publication by the same Author, in
conjunction with his accomplished friend, Prof. Torrey,
and diligently to consult the pages of that
inestimable work, - in order to know and ap-
preciate the vegetable treasures distributed over
the vast Territory, extending from the gulf of
Mexico to the Arctic Seas. With such aids,
and such attractive inducements to a rational
acquaintance with the Vegetable Creation, it
may be fairly calculated that the study of
Botany, in our country, will soon be adapted to
the actual condition of the Science; and that
its votaries will not only multiply in number,
but be enabled to vindicate its claims to
the rank of a truly useful & philosophical pursuit.

The writer of these hasty and desultory re-
marks is unwilling to conclude, without mani-
festing his sincere gratification at the recent ap-
pointment of the Author of the Botanical Text Book
to the Higher Professorship of Natural History, in
Harvard University. It is a distinction as richly
merited, as it was honorably conferred: and
while we may hope that the situation will afford
the incumbent many facilities to prosecute his
Botanical labors with increased advantage, - it
will not be denied that the Trustees of Harvard
have been both sagacious & fortunate in securing
for their venerable institution, the services of
the new Professor of Natural History. ^(W.D.) That he
will be eminent in every department to
which his attention may be directed, we
have the sure guaranty of his past career; and

and if life and health shall be allowed
for the full development of his powers, in
his favorite province, ~~for it~~ there is
nothing hazarded in the prediction, that
he will ^{one day} be known ^{throughout} the Botanical
World, as The De Candolle of America.

W.D.

West-Chester, Penn: Aug. 9. 1842.

Dear Sir, The accompanying happy notice of Dr. Gray's
new work, "The Botanical Text Book", is offered for
insertion among the Bibliographical sketches
in the American Journal of Science - provided
nothing more suitable should be furnished, and
you should deem this fit for the space it may
occupy. I hope it may reach you in season
for the next number. If a more appropriate notice
offers, be sure to give it the preference; for I am
sincerely desirous that this new Elementary work on
my favorite pursuit should be promptly presented
to the attention of all concerned under the most
favorable auspices. I consider it decidedly the best of
its kind that I have ever seen; and I avail myself
of this occasion to express the gratification I have de-
rived from Dr. G's Botanical Communications, in your
Journal. Valuable as was that Journal, previously,
I find my interest in it greatly enhanced by those
articles; and believe a continuance of them will
contribute much to the popularity of the work, among
the lovers of Plants. I hope you may secure the Doctor's
services in keeping a regular account of the progress
of Botanical Science posted up, quarterly, in the Journal.
Prof. Silliman }
New Haven. }
Very respectfully,
your most obed. servt.
Wm. Darlington



PAID 37 1/2

Professor Siliman
New Haven
Connecticut

Botanical Dept. Rock
Dirt in Packet
Aug 30 write to Dr. Siliman
if you have a letter.

Amos A. Phelps

West. Chester, Pa Sept. 23. 1842. 17

My dear Sir, Yours of the 3rd inst. was duly received; but as you mentioned your prospect of visiting the White Mountains, and Western New York, during the course of the month, I thought it needless to be very prompt in answering. This will probably reach Cambridge before your return from the latter region. You have, indeed, given me a list of Plants, of which you desire Seeds & Roots, which I fear I shall not be able to furnish to any considerable extent. The Talinum, & two or three others, you can have in any quantity; but many of them are rather scarce, here - & I could not honestly promise to procure either roots, or seeds, of several on the list. I will, however, bear the subject in mind - and if I live, will do what I can for you, another year. I have recently made the acquaintance of a Lady Botanist, who has promised to assist in procuring seeds & roots for you. She is now here on a visit, and has taken a copy of your list, for the purpose of endeavoring to furnish as many as she can obtain, next year. Her name is Miss Elizabeth C. Morris: She resides in Germantown, near Philad^a - and to a zeal & energy of intellect quite unusual in her sex, adds a more extensive knowledge of Plants than any female I have ever met with. I have partly promised to take you with me, to pay her a flying visit, when you come to Penn^a; and I hope your arrangements will permit me to keep my promise - as I am sure you would be pleased to have such a correspondent as she would make; and by calling on her, I am satisfied you could engage her to make collections that would be useful to you. But more on this head, when I have the pleasure to see you.

I shall expect your promised visit with great interest; and hope you will allow yourself time to enable me to profit somewhat by it, in looking over our Herbarium with you. The middle of October will be rather late for obtaining much in the way of specimens - or even seeds: But something may doubtless be had, even then - and we can make arrangements for the future. Be sure and do not be in too much of a hurry, when you come.

About three weeks ago, I sent the Reliquiae Baldwinianae to New York - to the care of Dr. Torrey - with a request that he would look over it, if he had leisure & inclination for such a task - to mark with a pencil such portions as he might think ought to be omitted, & then send it on to you. You will of course take the same liberty; and if you think any portions of it worth publication, we will then consider what can be done with it.

Agreeably to my promise, I sent, early in August, a hastily written notice of the Botanical Text Book to Prof. Silliman. It is quite brief, & summary in its character - for I had neither leisure nor ability to take such a view of the subject as it merited. It ought to have been made the basis of a philosophical exposition of the doctrines of Vegetable Morphology; but that could only be done by a master hand; and so I deemed it most prudent to notice the subject in brief and general terms. If Silliman publishes it, you will see what it is - but if not, you may see the rough manuscript when you come here.

I shall be glad to hear what news Mr. Suckerman brings from the Botanical world in Europe. I had the pleasure of a short correspondence with him just before he sailed; but have heard nothing from him since.

I am greatly obliged by your attention, in ordering Scudell's Nomenclator - & Kunth's third volume. These, I think, are about all the new works I shall venture to indulge in, these hard times. Is there any hope of soon seeing the continuation of de Caudollis Prodrromus? I learn from the eulogistic Memoir of von Martius, which you sent me, that the 8th volume was about half ready at the time of his death. I am exceedingly anxious to see it completed - & hope his Son, & other Collaborators, will make an united effort to finish the work.

That Memoir, of von Martius, is highly interesting - & would make a good article for Silliman, if well translated. I am not sufficiently familiar with the German idiom to undertake it; but as that language is much cultivated in Boston, I think it probable you could get a good translation done there. Whoever does it, ought to know something of Botany - or you ought to revise that portion which is technical - or has special reference to the Science.

In the hope of seeing you at the time mentioned in your letter, I remain,

my dear friend, ever &c. &c.

Your obliged friend

J. Obedt. President

Dr. A. Gray,
Cambridge, Mass.

Wm. Darlington

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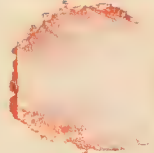
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Asa Gray, M. D.

Fisher Professor &c.

Cambridge

Massachusetts



West. Chester, Pa. Oct. 18. 1842. 18

My dear Sir, Your esteemed favor of the 10th was duly received; and I am very sorry to learn by it, that I cannot count upon a visit from you. I had hoped to have the pleasure of such a visit as would have enabled me to look over a considerable portion of our Herbarium with you, & rectify such mistakes as I have made. My friend, Miss Morris, too, will be quite disappointed in not having the opportunity to become personally acquainted with you. She has more Botanical zeal & Intelligence than any Lady I have yet met with; and I am confident would make an interesting & useful Correspondent for you. If we all live until another summer, we must contrive some way to have an interview; for the true lovers of Botany are too few, in our Country, to be kept segregated. We cannot afford to be personal strangers to each other, when an acquaintance would contribute so much to our mutual advantage.

I went yesterday afternoon to hunt up some Talinum roots for you; but I found the plants all killed by the frost - and the roots, or rhizomas, so inconspicuous that I had but poor luck. I collected a few, which you will discover by a careful examination among the dirt in a small box, which I shall take to Philadelphia tomorrow, & forward to the care of Wiley & Putnam by Harden's line. It is a very hardy plant; & I have no doubt, small as the rhizomas are, that if you plant them they will all grow next spring. Next season I can send you a much better supply. While hunting for them, I met with some other plants, & seeds, which are rather peculiar to the same locality; and I thought I would fill the box with them, in the hope that they may possibly grow, & gratify you. You will find in the box a couple of roots, or caespites, of the Atheropogon splendens; & a quantity of seeds of the same grass thrown in with the earth - also a small paper of the seeds, by themselves. Also two or three roots of each of the following - viz. Arenaria stricta - Arabis lyrata - Phlox subulata - Cerastium oblongifolium (villosum, Mull. & H. Astrie) - a number of acorns of the Quercus obtusiloba - and a few plants, in fruit, of Fimbristylis Baldwiniana.

By hunting them over carefully, when you get home, you will, ^{find} all the above in the box, jumbled together - and likewise

likewise a paper, on the top of the collection, containing a quantity of the Legumes of Darlingtonia. I hope they contain perfect seeds enough to ensure you a number of young plants, next year. It would probably be best to plant them this fall. We have had such a long drought, that the earth was quite dry about the roots of the plants which I collected, & I thought it best not to wet them, - but put them all crowded together in the box, as they were. You, or your Gardener - if you have one - can judge of the propriety of wetting them - & to what extent, - when you get them home.

I have no knowledge, nor experience, in the transmission of roots - & therefore must trust to luck, & your skill. If you think what I have sent worth having, I shall be much gratified to learn that they, or any of them, live.

I have a friend, here, (Mr. Joshua Hoopes) - who is a good Botanist - & who talks of commencing a garden, or nursery, of curious & interesting plants. He has already proved himself eminently successful in cultivating difficult plants, such as Aquatics, & shrubs from the Jersey Pines, &c. - and

I think he will make you a valuable correspondent, if he should prosecute his design of a Nursery. In that case, I shall let you know - & endeavor to make you acquainted. In fact, you must come & see up, & then you can judge for yourself. I am very glad to learn that those who have charge of your Institution are disposed to encourage the project of a good Botanic Garden; and only regret that it is so remote from us, as to prevent my having the advantage of seeing it. - I received the copy of Engelmann's paper on the Cuscutoid - for which I thank you. He is very minute in his observations, & no doubt accurate: but by refining so much, in his discriminations, he would overload us with Species. Your very close observing have a strong tendency ^{under the old idea of independent organs!} to multiply Genera and

Species: whereas the doctrine of metamorphosis, I find, tends directly the other way. The blending of characters, in kindred plants, has lately inclined me to the opposite extreme; and almost to conclude, with La Blanche, that there is no such thing as species!

The modifications of the organs is so gradual, & the affinities so intimate, that ^{it} is exceedingly difficult to define limits to species.

In the language of A. Hilaria, alles se unaniment toujours, & il n'y a rien de tranché. But I suppose, in process of time, that some close observation will enable us to comprehend the real distinctions between plants.

It is quite humiliating to my ambition, to find the Darlingtonia merged in another genus; but I must confess I have long had a lurking suspicion that such would one day be the case; and when such high authority as Mr. Wen-
tham pronounced the sentence, it becomes me, as a lover of true philosophical Botany, to bow in all submission.

Still, I am none the less grateful to the generous & Candolle for the honor done me; and shall ever esteem it as the highest of all possible compliments - far beyond what was due to my poor efforts in the cause. I do not know that I have any right to expect to see the genus replaced;

but if my ambition should ever be re-excited, in that direction, I must look to your partiality, on some fitting occasion, for a renewal of the extinct honor. Sapses of this kind have so often happened to the apothecary of much better Botanists than I shall ever be, that I do not feel that I have any right to murmur at the event; and so, like many others have done, under a reverse of fortune, I shall console myself with the recollection of what

I have been!

Kendel I am much obliged by your attention in procuring Kunth & Kendel for me, I hope to find the former in Philad^a, tomorrow, & shall wait patiently for the arrival of the letter. I shall anxiously expect the forthcoming volume of the Prodromus; and trust you will also be able to give us another number of the Flora of N. America before the flowers reappear.

Do push forward this work with all your energies.

Yours truly & sincerely
Dr. A. Gray, }
New York. }
Y^{rs} Darlington

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Doctor Asa Gray

Care of Wiley & Putnam

City of New York



West Chester, Pa. Novem. 8. 1842. ¹⁹

Dear Sir,

Not knowing whether you have the Hypericum aureum in your Cambridge Garden, - and my bush yielding seed copiously, - I have concluded to put up a parcel for you, & send by Hoar's line to Boston.

I sent a small box, with some roots, & seeds, to New York, to the care of Mr. & Putnam - by the same conveyance, a few weeks ago. I hope you received them - & that some of them may live; though I fear the roots would get too dry. - The copy of Keen's, which you announced some time ago, had not come to Sobron's, last week. What can be the reason? I fear Mr. & P. have forgotten to forward it. If so, will you jog their memory? Yours truly, W.D.

Dr. A. Gray,

Cambridge

I have no doubt these seeds will grow, if properly managed; as my friend J. Hooper, of this place, has raised plants from the seeds of the same bush.

Dear Sir, These Seeds were put up for you by my
 friend, Miss E. C. Moore's, in the hope that they might,
 by culture, be interesting to you. I therefore forward
 them, in her name. If you will acknowledge the
 receipt of them, in a note to her, I think it will
 prove the commencement of an interesting corres-
 pondence. She takes great interest in your
 operations in behalf of Vegetable Science.
 Her residence is Jermentown, Penna.

I hope my little parcels, by Harnden's &
 Lane, will not be deemed a bore, by you.

I shall soon write you, at greater
 length - I hope to hear from you, in
 return. In haste, Yours truly
 W. D.

West Chester,

Nov. 29, 1842.

H. Gray

West- Chester, Penn^a - Dec. 14. 1842. 21

My dear Sir, My Sailor Son having just received orders to join the Ship Saratoga, at Portsmouth, New Hampshire, to proceed on a Cruise to the coast of Africa - and having to pass through Boston, on his way thither - I avail myself of the opportunity to write to you by him. I regret that I did not know of this chance, before I sent you those parcels by Harnden's line, - so that I might have spared you the cost of their freight; which I fear you may have thought to be rather a bove - considering their trifling value. However, I shall be careful, in future, not to annoy you with many such trifles - as I ascertained, since, that the freight of them was more costly than I had supposed. When I may have any thing of the sort to send, I shall try & procure private conveyance. - I send, herewith, a sheet containing several of Endlicher's Botanical Terms - with blanks left for you to fill up with definitions, for my instruction. I am but a poor scholar, in respect to Classical Terms and phrases; and am not sure that I have been able to seize the true & precise meaning of several of those herewith sent, as they are used & applied by Endlicher. I therefore hope you will fill the blanks with such brief, yet clear definitions, as would be suitable for a Glossary; and then return the sheet to me, by mail. I am never satisfied, unless I think I understand pretty exactly the meaning of the Terms employed by writers; and as Endlicher is a favourite of mine, I wish to comprehend him as thoroughly as possible. - As I like to be always engaged on some object which may at once improve & amuse me, - or, in other words, to have some favourite Hobby, on which to employ my leisure, - I have thought of endeavouring to block out a Little Flora of Pennsylvania - or rather, a Catalogue of known Pennsylvania Plants, with brief descriptions & notices, - to be arranged strictly in conformity with the method of Endlicher's great work. I have not the slightest idea of publication, at present - if ever; But merely to keep alive my interest in the subject, by preparing

a Sketion Flora, founded on Endlicher's Geneva, - and filling up the blanks as opportunity may allow, or knowledge enable me. The first object will be, to ascertain, as exactly as possible, what Plants are known to inhabit Pennsylvania - to obtain a catalogue of the genera & species; and then have them arranged so faithfully in accordance with Endlicher, as to make his work more particularly interesting to Pennsylvania Botanists - and at the same borrow all the illustrations I can from that luminous source of instruction. The main purpose will be to instruct myself; and if I should live to think it worth while, - possibly I may, at some future day, print a small vade mecum for the use of those who may herborize in our State.

But, at present, these are all Chateaux en Espagne - mere dreams of future possibilities - to amuse my fancy, & stimulate to self improvement. If your & Dr. Torrey should complete your Flora, - and then give up a pocket compend of the greater work, something like Person's Synopsis, - as the Doctor told me was contemplated, - I should certainly prefer it; - as every body else would: yet that is no reason why I may not be employed in the task of improving my own acquaintance with the Science. So much for that airy project. -

As for another project, which may, peradventure, be now reduced to practice, I have to observe, that one of my Sons is a Printer, at Lancaster, in this State; and he informs me, he thinks he could print a tolerably neat Edition of the Reliquiae Baldovirianae, without letting it be a very heavy expense. If you are still of opinion that the compilation, or any portion of it, is worth the trouble of publication,

I have a notion to let my Son undertake it. He would have to do it at intervals of leisure - as he publishes a weekly Newspaper - and of course it would be some time in passing through the press. If you approve of the scheme, you will please send the Manuscript on to Philada. (by Harnden's line, if no other safe conveyance offers,) after you have made such corrections, or marked out such portions, as you may deem expedient. I have prepared a Prospectus, with a view to obtain some Subscribers, while the work is in Press. If I get a copy of the printed Proposal, in time to go with this letter, I will send it to you, then: if not, it shall be forwarded when it comes to hand. -

Saturday, Decem. 17.

Since the foregoing was written, I have been at Philadelphia, and was in hopes of finding there, the copy of Herb. Kuntze, which had directed to be sent to me. Wiley & Putnam wrote to me, that they had forwarded it on the 8th of November; but I could get no word of it - & began to fear it had miscarried, or been mislaid. However, I shall keep up an inquiry for it, in the hope that it may yet come to light. - I have engaged Wiley & Putnam to procure Hooker's Journal of Botany for me, and have requested them to send me Handell's Nomenclator, as soon as it shall be received. I have had so much difficulty & disappointment in getting books from Europe, through our Philad. Bookseller, that I concluded to try my luck via New York. I hope I shall be more fortunate than heretofore, - though the attempt to get Kuntze, so far, has not been very encouraging. - I saw, in Philad., the first volume of the Natural History of New York. It promises to be a magnificent work; and I have subscribed for it, on behalf of several members of our Cabinet, with a view of ultimately placing it in that Institution.

I have just recd. the Prospectus for Reliq. Balduv. and send you herewith 2 or 3 copies. I have also sent a couple to Dr. Torrey. Possibly a few of the Botanists of the "Lit. Enquirer" may be inclined to possess the work. If so, you can give them a chance. The body of the Prospectus shows you a sample of the typography proposed. It is rather smaller type than I could wish; but with leading, or spacing, as you see it, perhaps it may do, -

Pray let me hear from you, freely, & soon.
Yours truly,
Wm. Darling

Dr. A. Gray, Cambridge.

Doctor Asa Gray

Cambridge

M.G.S.



Doctor Gray being, doubtless, well acquainted with the precise meaning of the following Terms, as used by Endlicher, in his Genera Plantarum, will much oblige Dr. D. if he will, at some leisure moment, annex a brief, but explicit definition, to each, so that a Learner may readily seize the exact idea, as he might from the definitions of a good Glossary. Dr. D. is not quite sure that he has a clear and perfect conception of those terms, as employed by Endlicher, in reference to the Plants: and as Dr. Gray is now at the Head Quarters of Philology, and general Science, Dr. D. hopes to be gratified with the above-mentioned definitions, without causing any insupportable trouble. When the blanks are filled, this sheet may be returned by mail, in the form of a Letter. — Weymouth, Penn: Decem. 14. 1842. —

Acramphibrya.

Acrobrya. Producing buds at the summit or apex. (from AKROS summit, & the greek for bud.)

Amphibrya.

Anophyta.

Cormophyta.

Enantioblastae.

Hypsterophyta.

Juriflorae.

Petalanthae.

Pleurothalleae.

Protophyta.

Rhizanthae.

Rhacodes.

Thallophyta.

Several of the foregoing Terms I think I understand, - from the descriptions, & diagnostics, annexed, in Endlicher; But I want to be certain that I comprehend the true meaning, & application of them, in the Science, I have been endeavoring to make a Glossary of Endlicher's Terms, for my own use; as they are not to be found in any Dictionary which I possess. Hence it is, that I have been induced to trouble you in this way. As I have here, some space left, I will also mention one or two other difficulties, or doubts, which I now recollect to have occurred to me, in looking over Endlicher. He generally follows Kunth, in the arrangement of the Grasses; and yet I cannot satisfy myself what he has done with the Polyzoon racemosus, of Nuttall. Kunth makes it a species of Cinna; but I think Endlicher does not; and yet he does not seem to refer it to the Polyzoon, of Desf. How is the fact?

Another difficulty, I have found in endeavoring to ascertain what Endlicher has done with our Justicia pedunculata. I cannot find it among the several Genera in which he has distributed the species of the old genus Justicia. Any information you can give me, on this head, you will please insert here - I much oblige your ignorant friend, H. D.

And July 24,

West-Chester, July 14. 1843.

22

My dear Sir, Supposing you were probably much engaged in the early part of the summer, I have not thought it expedient to trouble you with my Epistles: But it is now so long since I have heard directly from you, that I begin to want to learn some of the current Botanical news, - as well as to hear of your own welfare, and progress, in your new position. Have you been giving a course of Lectures, this season? or are you engaged in preparing another number of the Flora? I hope you will not lose sight of the Flora, - but let us have the residue of fast as practicable. Have you heard any thing further of the Prodrromus? Miss Moonis informed me you expected it would be ready in June. I have sent an order for it; and hope to receive it soon after publication. I have, however, found my orders on Europe very tardily executed. Wiley & Putnam have been promising me the 3^d Vol. of Kentth, for nearly a year past, but it has not come yet: and they seem to be unable to procure the back numbers of Hooker's Journal of Botany. This appears to me very strange - when the Steam, and other Packets, are coming so frequently. - I have, at length, got the Pelag. Balder, through the press, - and it is now in the hands of the Binder. I hope to find some copies ready, next week; and shall send a small parcel of them to your care - if you will allow me - to supply the Subscribers in Boston; and some half dozen, extra, which I will thank you to cause to be left with some Bookseller, in that city - so that if any one beside the Subscribers should fancy a copy, he may obtain it without trouble. I have printed but a small Edition; as I did not suppose any but Botanists would care much about it - and I did not wish to lumber Booksellers' shelves with an un-saleable work. I shall send a copy to Sir Wm Hooker, and another to Dr. Boott; and if Wiley & Putnam will take the trouble, perhaps I may get them to send a few - a very few - copies to their London House. I shall also cause a few copies to be left with Wiley & Putnam, in New York - if they will permit; so as to supply any possible demand, in that city.

I have received Reudely's Nomenclator Botanicus; and although it is far from being complete - and is especially defective in American Synonymy - it is such an admirable convenient for reference, that I esteem ^{it} quite a treasure. No one but a patient Dutchman would ever think of compiling such a formidable volume; and it is really wonderful that he has been so persevering and successful. With all its defects, I would not be without it for twice its cost. - If we only had a full and complete Botanical Lexicon, explanatory of all the Terms now employed by Standard Authors, I should feel that my stock of Elementary works on the Science was nearly complete. Could not you undertake such a Lexicon, and thereby show the world that in the production of a really useful Handbook for Tyros, or Yankee was not to be outdone by a Dutchman? I am aware that it would be laborious - i.e. would require much time & attention to render it as complete as it ought to be; but still I think it would be an interesting task - and would serve to fill up all your leisure hours - if you have any - without interfering essentially with your regular pursuits. By sketching out the skeleton of a Dictionary, and leaving sufficient blanks for entries whenever they occurred to your mind, you would soon accumulate a mass of instructive matter for learners, that would surprise yourself, and edify all your young countrymen who might have the benefit of it. If you would undertake such a work, I would gladly employ my leisure hours in hunting up, & arranging, alphabetically, all the Terms which I could find, and should think deserving of a place in the Lexicon. Having the words before you, you could furnish brief, but clear & explicit definitions, so as to illustrate the whole machinery of the Science; and thus produce a work which would be of incalculable benefit to all students, and would moreover aid in establishing the Science on a true philosophical basis. You are just at the time of life to grapple with such a project; - and I hope you will think of it seriously.

Speaking of the time of life, reminds ^{me} of the fact that I am growing old, - and that instead of rambling among the flowers, I shall ere long have them blooming on the turf which covers me. In contemplation of this event, I have procured a family Lot in a Cemetery recently obtained by our Church; and as I think it probable my family will designate my resting place by a headstone, I have concluded to leave them an Inscription to be cut on it, of my own manufacture. As I would wish it to be grammatically correct - and as you reside at the Head Quarters of Classical Literature - I herewith submit it ^{to} your criticism. The annexed sketch exhibits the outline of a headstone - with the Inscription, as I propose it. I am not sure the Latin is classically correct; but it is as I originally wrote it. A friend here, thinks super tumulo ignis is not correct - that the sense in which ^{super} ~~of~~ is used, here, requires the ablative, tumulo - and that it would be better, in tumulo.



I am not quite satisfied of the correctness of my friend's remark; but as I am not a Latin Scholar, I wish to have your decision. You will readily gather the idea which I intended to express; and I will thank you to put it in true Classical phrase; such as the Scholars of Harvard, if any one of them should ever visit the spot, may read without having to criticise the style.

You will doubtless think ^{this} rather a curious jumble of Books, Botany, & Tombstones; but as I always write to you whatever comes uppermost in my mind at the time, I trust you will excuse the singular freedom I have taken, and indulge me with an answer to the whole. Make my Epitaph correct, & I will be, until it is needed, your obliged friend,
Dr. A. Gray, }
Cambridge. }
Wm. Barlington.

2c



PAID / 83 1/4

Prof. Asa Gray, U. S. &c.,
Cambridge,
near Boston,
Mass.

West-Chester, Penn. July 21, 1843.

23

My dear Sir, I made a flying visit to Philad^a yesterday - returning the same evening: so had not time to write you from thence, nor to attend to any details of business, in person. I found some copies of Reliq. Baldwin, ready for distribution - and requested the publishers, Kimber & Sharpless, to put up a parcel of 21 copies, direct them to you, & forward them by Boarder's line - first paying the freight. Will you do me the favor to take charge of the parcel when it arrives - and cause to be distributed to the Subscribers those copies due to them, when opportunity offers? The residue (ten copies), I will be much obliged if you will dispose of as follows - Present a copy, for me, to the Library of Harvard University - another to the Boston Natural History Society - and leave the remaining eight with some Book-seller in Boston; - so that if any person should wish a copy, he may be enabled to obtain it. As you may not recollect the names of the Subscribers on the list you sent me, I annex them hereto: viz. Wm Oakes, Ipswich 1 copy.

Geo. B. Emerson, Boston, 1 do.

Benjⁿ S. Greene, do. 2 do.

Asa Gray, Cambridge, 3 do.

J. A. Eddy / or A. A. Gould / Boston, 2 do.

Jacob Bigelow, Boston, 1 do.

Augustus A. Gould, Boston, 1 do. Making eleven copies in all: which at one dollar each - is \$11. But I shall insist on your accepting one of your three, as an acknowledgment

acknowledgment (a small one, I confess) of your kindness
in attending to the business. That will just leave the
convenient sum of ten dollars to be remitted, in a
bank bill, whenever it suits. You perceive I am
calculating on your taking the trouble to receive
the proceeds of the Subscription list, if the gentlemen
offer to pay you; & I hope you will excuse the
liberty. If you will undertake all this trouble
for me, I trust it will be entirely done at
your leisure & convenience; But I shall be
glad to hear of the safe arrival of the parcel.
If there should be any incidental expenses, that
I am not aware of - or have not provided for -
in the transaction, - of course you will defray
them out of the proceeds; as I do not mean to
do more than give you trouble.

Having written you a long signet, the other
day - which I trust you will notice at your
first leisure - I shall not now enlarge;
But conclude with the assurance of
my deep sense of the obligations conferred,
and to be conferred, upon
yours, truly,

Wm Darlington

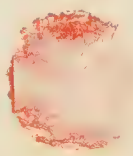
Dr. A. Gray }
Cambridge. }

2
first



PAID / 8 3/4

Prof. Asa Gray, M. D. &c.,
Cambridge
near Boston,
Mass.



West-Chester, August 10. 1843.

My dear friend, your obliging favor of the 24th ult. announcing the receipt of the package of Relig. Baldwin, came duly to hand. I thank you sincerely for your kindness in taking charge of the copies sent. As you insist on being considered a Subscriber for ^{the} three copies on the list, I will leave, for your acceptance, another copy at Carey & Hart's, Philad^a. I expect to be there next Wednesday - which I presume will be before you come on, to join Mr. Sullivant. Mr. S. subscribed for a copy of Rel. Baldwin, to a paper which Dr. Pickering had, at Washington; and I propose to avail myself of the opportunity, to ask you to take his copy to him. I will put it in with yours, to be left at Carey & Hart's. You express a wish to have an extra Print of Dr. Baldwin. I had about 50 copies, extra, struck off, on Indian paper, for framing - to distribute among his surviving friends, & others; & I will leave two or three for you, along with the book, as above.

I know not how I can procure, any time soon, the information you desire, respecting the Cypress, in Bartram's old garden. I think, if you could afford half a day, to visit the garden, while at Philad^a you would be gratified. and

and, moreover, compensated for the time thus expended. You would probably get all the information you wish, about the Cypress & much other interesting anecdote, respecting the garden, & its contents, from Mrs Carr, the wife of William Bartram, & grand daughter of old John Bartram, the founder of the Establishment. I wish, on many accounts, you could visit that garden; & if I could know, a few days beforehand, that you would do so, I would make an effort to meet you in Philad^a & accompany you to the precious old treasury of native plants. It is now offered for sale - & I fear will soon be demolished: probably converted into a coal landing - or some other vile purpose of vulgar trade! Mrs Carr is perfectly familiar with the whole history of the garden - & with her, will expire all authentic tradition of the establishment. This is why I wish you to see her, & it, while it can be done to advantage. She is the last of the family - & the property will go into the hands of strangers, ere long.

I am much obliged by your kind offer to send me the Botanische Zeitung - & shall be happy to receive it, whenever you have it to spare. You may leave the parcel

parcel, now on hand, at Carey & Hart's, when you come on to Philad^a: & if the work should reach you, hereafter, in parcels of several numbers, it would perhaps be as well to retain them until an opportunity of private correspondence to Philad^a offered. This I leave to your judgment.

I am glad my proposed inscription is considered correct Latin, as it stands - as I prefer that structure of the sentence, to the one proposed by the gentlemen, here, to whom I showed it. I am in no hurry to have it cut, & fixed up, I assure you: But I thought I would have an inscription ready - so that the surviving members of my family might not have to hunt one up, when the time came.

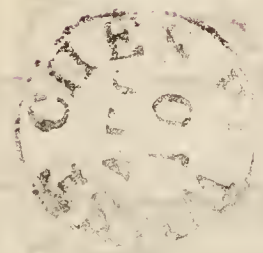
I can't think why the Atheropogon did not grow, with you. I put many seeds in the box. The other day, I saw it growing well, from seeds, sent at the same time to Miss Morris. I will procure more for you, this fall, if you wish. - You will have a most interesting excursion to the mountains: But I don't quite like the interruption to the Flora. When may we look for the next no.? Next spring?
Dr. A. Gray, Cambridge. In haste, yours truly, Wm. Bartram

Thanks for your own picture also -
send one to me for Hobbes + one for
Sullivan,
History of Botany - anecdote of old
Boston

184.

Prof. Asa Gray, U.S.A.
Cambridge
near Boston

you
pla
bear



West- Chester, Penn^a. Novem. 25. 1843.

My dear Sir, Although aware that your engagements must make it rather bothersome to be writing long letters to such a Correspondent as you have in me, I cannot refrain from attempting to tax you once in a while; as I have no other resource for keeping myself informed of the progress of the Botanical world. I have heard nothing since I saw you on your way to the Southern mountains - except incidentally, from Miss Morris, that you had returned to Cambridge. When your duties will permit, I shall be very glad to learn something of the incidents & results of your journey; and I should think you might probably make another narrative Epistle to Sir W. J. Hooker, not less interesting than the last. In that case, I would be willing to wait for the Botanical details - and only ask, in the mean time, an account of your personal adventures. Did Mr. Sullivant join you, according to promise? Do give me an outline of your excursion; & pray tell me, if you can, something about the new Expedition of Dr. Pickering. He wrote me, from Boston, in September, that he was about to undertake a formidable journey to the Eastern Coast of Africa, & I know not where else; and that he was going "on his own hook," as the phrase is. Surely somebody must have undertaken to aid him in such a bold & perilous excursion: but he did not give me any clue to the mystery. I was sorry to find that he had not been kept at Washington, to take charge of the collections made by the late Expedition - & to prepare a history of them. I am apprehensive his departure will prevent our receiving such an account as we ought to have; and that the result of the Expedition - so far as Natural History is concerned - will be something like that of

Dr. Solander, with Capt. Cook; in which case, if I rightly recollect, there was nothing of any importance published, in consequence of Solander's projecting another Expedition (although never accomplished,) soon after his return. I think we ought to make known our own discoveries, before they become obsolete. Do you know whether any one is preparing an account of the Botany of Milke's Cruise?

What has become of Dr. Torrey? I sent him a copy of Reliq. Dulder. (with a letter accompanying) some months ago; but have not yet heard whether he has received it. I suppose he is busy, at this season, with his Lectures. I received a letter the other day, from Dr. Booth, acknowledging the receipt of a copy of Reliq. Dulder. I manifesting a lively interest in his career, & fate. He is quite urgent that some such account should be given of all our early Botanists - especially of Bartram, Elliott, and Schumacher. I know not who is in possession of materials for such notices; but it is certainly desirable that suitable memoirs of those excellent Pioneers in our Botany should be prepared, as it is too late to do them justice.

I hear nothing further, respecting the volume of De Candolle's Prodromus, which I understood was to be forthcoming in June, last. If you know any thing about it, I hope you will inform me. Since I have been in the downhill of life, I find myself rather impatient to see the remaining parts of that great work - & the continuation of our own Flora. But I believe I may as well try to be content with what I have got. I have sometimes half a notion to amuse the residue of my days, in preparing a half scientific, half popular, description of those Plants in our country, in which the Farmers are especially interested; a sort of Agricultural Botany. I find there are about 500 species of Plants - including Weeds, & worthless intertenders, along with the useful, & cultivated vegetables - which intelligent Agriculturists ought to be

acquainted with; and it seems to me that a small volume might be prepared, that would have a tendency to make Farmers become better acquainted with those Plants which they meet with every day, on their premises. I am not so visionary as to suppose that the mass of mankind can be made scientific - nor that Farmers, generally, can be induced to become real Botanists; but I have an idea that the more intelligent young Agriculturists might be convinced that it would be to their interest to acquire an accurate knowledge of those occupants of the soil, which deserve attention, either for their valuable or pernicious qualities. - And my plan would be, to proceed entirely upon utilitarian principles. All this, however, is mere speculation, at present.

I have just received a parcel of Seeds, via Boston, from Prof. Tricher of St. Petersburg. I suppose he has, of course, sent you a parcel of the same, - or I would offer them to you; as I am a very unsuccessful practical gardener. If you have received such a remittance, I do not want mine, I think I must try & get Miss Morris to take my parcel, & if they vegetate, bargain with her for a few specimens for our Herbarium: But if you would like to have them, they shall be at your service, whenever you inform me. I will wait until I hear from you, before I make the proposition to Miss Morris; and in the hope it will not be long, first, I remain Dear Sir, your obliged friend.

Wm Darlington.

Dr. A. Gray, }
Cambridge.

P.S. You intimated an intention of asking your Latin Professor about the correctness of my little description for a Headstone. If it is syntactically correct, I will keep it as it is, although he should suggest a better phraseology; inasmuch as I coined it, myself, one day in church. As I shall certainly be ready for it, some of these days, I will thank you to give me the result of your inquiry.

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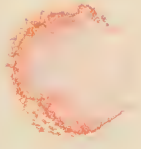
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PAID

25

Prof. A. Gray
Cambridge,
near Boston,
Massachusetts.



West- Chester, Penn. Jan. 8. 1844.

26

My dear Sir, I have just learnt that the
Beaver of this - Mr. James Everhart, a young gentleman
of this place - expects to set out in a day or two, for
Cambridge; and I therefore avail myself of the opportu-
nity to send you a few copies of those Portraits,
which you signified a desire to possess. I have added
two or three copies of a pamphlet, containing a brief
address of mine before the Agric. Society of New Castle
County, Delaware. Possibly the perusal of it may
amuse you, for a few moments, some rainy day.
Mr. Everhart, who takes the parcel, ^{is a young lawyer, &} is going, as I
understand, to spend some 6 or 8 months at Cam-
bridge, to prosecute his Law Studies; and as he is
a young man of good family & standing, here - and
moreover of very promising talents, in his Profession -
I beg leave to commend him to your friendly notice.
I imagine he will find himself quite a stranger,
at Cambridge; and therefore the kind attentions,
which you may be able to afford - & so well know
how to bestow, - cannot fail to be both agreeable &
useful to him. - I duly received your esteemed
favor, giving an account of your peregrinations
in the South - for which I ^{am} much your debtor.
I hope your collections have all safely come to hand.
I like the outline of your proposed Lectures,
at Lowell; & have no doubt you will make them
highly interesting. I would gladly aid you, by any
suggestions, if I could; but nothing occurs to me, but
what must be perfectly obvious to yourself.

I know, by a Catalogue attached to the November
number of the London Journal of Botany, that
Five volumes of Wurth's Enumeratio Plantarum
have been published; and yet, for the last
two years, I have been endeavoring in vain
to procure the third volume, through Wiley
& Putnam! There is something very strange in
that - which I should like to see accounted for.
Have you received those five volumes? If so,
how far do they extend through the vegetable
Kingdom? - or, judging from what they contain,
how many more volumes do you suppose it
may require? - There is another thing I should
like to know, if you can inform me. I received
through Wiley & Putnam the numbers of the
"Journal of Botany" for 1841, - all except the number
for December, of that year. If I understood
a note from W. & P. they said the December
number never was published. Can this be so?
Did the publisher leave a volume thus
imperfect? They enlighten me on this head.
Messrs Wiley & Putnam profess to be very prompt,
& exact, in complying with orders - & they may
be so, in general: But, if they ever wish to have
a certificate of the fact, from their customers, I
hope they will not apply to me, for one.
I suppose they do business in such a large
way, that they do not deem it worth while
to trouble themselves about the wants of
such a two-penny Village Customer, as I am!

I learnt indirectly from you, that Dr Candolle's
8th vol. was to be out in October, last. I
requested Carey & Hart, Philad. to procure it
for me at the earliest possible date; but as
yet I hear nothing of it. I presume it has
not been issued, as expected: but I shall hope
to see it, by next spring. I trust, also, you
will give up enough of N. A. Flora to make
up the second volume - so that I can have
my bound, I have the advantage of the
Index. So, pray, endeavor to let us have it, early
next season. I find, as my time grows shorter,
that my impatience for expected works
increases; & this must be my apology
for so often annoying you with my
importunities. - I like your project
of collecting all the information, that
can be obtained, of the early labours in the
Botanical vineyard of our Country, - and hope you
will gather up all the fragments that are still
within your reach. I saw one of the family of
Humphrey Marshall, the other day - & he promised
to send me all the Correspondence yet in posses-
sion of his relations (he had no direct descendants).
If I find any thing worthy of note, among
the papers, I will of course let you have it.
I do not, however, calculate on much information.
Very truly & sincerely
yours,
Wm Darlington

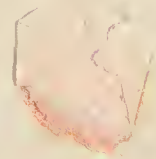
S. A. Gray, }
Cambridge. }

Prof. Asa Gray,
Cambridge

W. James Everhart, near Boston,
Mass.

Enclosed
last year's
book
a copy

re
through
"Don



Ans'd Oct. 17,

West- Chester, Penn. Octo. 14. 1844.

27

My dear Sir, I do not certainly recollect whether I have written to you, since I received yours of the 27th of May, last; but it is certain, that I wish so much to hear from you again, that I am disposed to try if one of my poor Epistles cannot draw one from you - replete with all the tidings, personal and Botanical, which have transpired since your last. I was in hopes you were engaged in preparing the next number of the Flora; for I am very impatient to have the second volume completed: but I heard, indirectly, some weeks ago, that such was not the case. Is it so? May we not hope to have it, by the ensuing spring, at farthest? Why, I shall be sixty three years old, next spring; and if you do not hurry, I shall be past the period allotted to man's life, before I can reckon upon a sight of the last volume. It makes me melancholy to think of it. I received a letter from Dr. Torrey, a few weeks since; but he did not say whether he was at work at the Flora. I was induced to hope, however, that he was - as he requested me to send him a specimen of Gentiana ochroleuca; which I quite recently had the pleasure of doing. - While I think of it, I wish to say to you, that if you should be satisfied that the Euphorbia, which I have called memoralis, is a new species, (and I am pretty well convinced it is a native, - as well as a monocotyledon, previous to my notice of it.) it will be necessary to give it another specific name: for I find, by Randall's Nomenclator, that Kitchell has already given the name of memoralis to another species. You had better, therefore, make a note to that effect, - to prevent your overlooking the fact, when you come to that family. - You have never informed me whether it is really true, that Sir W. Hooker left the 4th vol. of the Journal of Botany incomplete (i.e. wanting the December No. for 1844;) when he changed it to the London Journal of Botany. Wiley and Pursh tell me it is so; but I can scarcely believe it. If they are correct, it is very odd - for it leaves the vol. very imperfect, and without an Index. I wish you would tell me how the fact is; for I am anxious to have the vol. complete - if it can be completed. - I am much indebted to you for the article on the Longevity of Trees - as also for the sheets

of Botanical matter from Silliman's Journal, at different times. If you should hereafter have any such to favor me with, I shall be glad to receive them; for my reviewers are so straitened that I have deemed it expedient to discontinue Silliman, & all similar Periodicals, much to my regret. I shall hereafter confine my purchases to such few standard works on Botany as may be considered indispensable to a right understanding of the progress of the Science. I ordered Jussieu's Cours Elementaire de Botanique, on your recommendation; but am told it is out of print. Perhaps there may soon be another edition. I have 4 vols of Kuntze, and 8 vols. of De Candolle's Prodomus. Another Vol. of DeCandolle was promised this fall. Have you heard any thing of it? Or is Kuntze's 5th vol. out yet? I understood you to say, that Benthams suggestion, that Darlingtonia would have to be reduced to Depmanthus, was to be found in the Journal of Botany. I have not been able to find it in any of my numbers of that work. I wish you would inform me in what number - or in what work - it is. I observe his remarks on the Lagenaria in the Journal; but nothing of those Genera.

I hear that you are engaged on a second Edition of the Botanical Text Book. It is really pleasant to find such evidence of discernment in the public, as the fact would imply. If it be not too late for the suggestion, I would recommend that you should insert, in the next edition, a chapter on the subject of analytical investigation of Orders & Genera, something like that in your Elements, at page 335 & seq. so as to give all the aid & encouragement possible to beginners. There is nothing ^{like} a practical illustration of a system, to show how it is to be used. Young students do not get interested in generalities, however clear & philosophical they may be, so readily as they do in practical processes, by which they acquire some particular, definite knowledge of objects. They always want to ascertain the Genus & species of a plant, as soon and as easily as possible. Young, or untutored minds, I have observed, are best encouraged to persevere in their researches, by being soon

enabled to perform some specific achievement, - such as determining or ascertaining the order, or genus, of a plant. Their attention is best secured by showing them how to arrive at some particular, satisfactory result, which seems like practical knowledge; and this, I think, is the secret of the great popularity of the Linnaean system. Although the name of a plant is of but little account, as regards the real knowledge of it, - yet it seems like knowledge, to the Beginner; & it is always felt to be an exploit, to be able to determine the genus, or species: and the same may be said of the natural order to which it belongs. Some easy analytical process, therefore - even if artificial - is, I think, desirable, to initiate learning as soon as possible into that kind of knowledge. That portion of your Elements, above referred to, appears to me to be well worthy of a place in the Text Book - with such further illustrations as you may judge expedient. I can see no objection to bringing all the artificial helps, possible, to the aid of the Natural system: indeed, a great deal of the subordinate arrangement, in the natural method, is confessedly artificial - and yet very convenient.

These hasty suggestions are thrown out merely for your consideration, & better judgment; & I hope you will excuse the liberty. The Text Book is now the best Elementary work I am acquainted with; and I have no doubt that, with a little enlargement, and adaptation, of the kind alluded to, you can make it still better, and more complete.

Hoping soon to hear from you, in your most diffuse style of communication, I remain, Dear Sir,
Your friend & best Servant!

Dr. A. Gray, }
Cambridge. }
H. Darlington

P.S. Please present my best respects to Mr. Tuckerman, when you see him. I only received his excellent work on Carex, and some other papers. I also wish to be remembered to Dr. Gould, & Mr. Greene. You have never yet sent me the promised Critique on my Epitaph. I shall want it, some of these days. —

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to fine

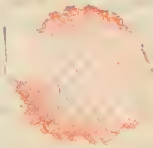


J. R.

Prof. Asa Gray

Cambridge, near Boston,

Massachusetts



My dear Sir, I was amusing myself, the other day, with some physiological reveries, which were suggested by the distinction, usually made by Botanists, between the organs of Vegetation, and Reproduction; and I am tempted, at this season of leisure, to prolong the amusement, by sending you a hasty abstract of those cogitations: though I much fear that what has been an amusement to me, will be regarded as a bore, by you. I beg you, however, not to let it interrupt your regular vocations; but rather, if you are usefully employed, when it comes to hand - lay it aside, for some idle evening, or rainy day. - With this cautionary Preface, I begin at once, - lest my paper should not hold out, -

Physiological Notions, on Growth & Reproduction.

Some Physiologists have maintained the doctrine of pre-existent Eggs, - or, in other words, that the offspring of all organized beings existed from the beginning, ready formed in successive series, in the parent system; and that procreation merely gives the impetus to the development of the existing miniature organs, - of which development gestation completes the process, so far as is necessary to enable the Embryos to commence an independent existence in its new and appropriate medium; i.e. until its birth. The absurdity of the idea, of countless generations thus existing concentrically within each other - emboités, as the French would term it - has been sufficiently exposed and ridiculed, - and need not be enlarged upon, here. - It seems to me, that just views of the laws of Vitality - and especially of the physiology of Growth and Reproduction, - are best afforded by the Vegetable Kingdom. In Plants, we have the best means of investigating the various phenomena of Life; and the analogy between Plants and Animals is so close, that we may with great probability - if not with absolute certainty - judge of the processes in the one class of beings, by what we observe, in parallel circumstances, in the other. The elementary organs of all living bodies appear to be simple cells, or minute membranous utricles, - which are susceptible of every variety of form and consistence, - by reason of inherent tendencies - or by pressure, and other causes: and by their combination and modification, in a determinate manner, they constitute the compound organs of every organized being. These elementary organs, or utricles, are endowed with the faculty, power, or tendency, to produce other similar utricles; i.e. to multiply themselves: and this multiplication is the simple process of Growth. The power, or influence, which produces this multiplication, is that mysterious agency (incomprehensible, perhaps, to human ken) which is called Vitality, or the principle of Life. This agency, as observable in those simple organs, may be regarded as an ultimate fact - i.e. as the boundary, or limit of our powers of organic analysis; and is, therefore, the legitimate starting point of rational inquiry concerning the phenomena of Life. It seems to be amply sufficient for all the purposes of useful investigation. It affords all the data requisite for the fullest and most philosophical research into the Laws which govern subsequent processes; and those secondary, or subsequent processes, appear to me to be the appropriate objects of investigation, by our finite faculties. - Now, as the multiplication and modification of the utricles, or elementary organs, afford a clue to the phenomenon of growth - and illustrate the process by which the most varied and complicated results are produced from the simplest materials, - it seems to me that it only requires an extension of the same principle, to explain the phenomenon of procreation, or what is called Reproduction. Botanists, generally, have regarded Plants as composed of two distinct kinds of organs, - which they denominate organs of Vegetation, or nutrition - and organs of Reproduction. This distinction may be eligible, on the score of convenience, in treating of their

their character; but it seems to me to be a distinction without any essential difference, - and not in accordance with that simplicity which characterizes all the processes in Nature. The whole career of a Plant, - "ab ovo usque ad malum," or fructum, - consists in the multiplication, combination, and modification, of elementary organs which appear to be, originally, homogeneous in their nature. The entire process, from seed to seed again, may be called growth, or vegetation variously modified: yet growth itself is, in reality, a continued series of reproduction: - one of the elementary organs, of which the whole plant is composed. The organs of vegetation, so called, comprise the root, stem and leaves: but these are all made up of simple utricles, variously modified and combined, - forming cellular tissue, tubes, membranes, and fibres. The leaves - being loose appendages - are free to assume a great variety of forms, and even of texture, though their texture, or consistency, is liable to be affected by aggregation, or crowding: yet all these protean compounds, or results, are resolvable into primitives, apparently homogeneous, simple utricles. A Plant, then, is composed of elementary organs - originally homogeneous, but subsequently modified, and variously combined. Growth consists in the continued multiplication, or reproduction, of those elementary organs. (a) All the varieties of vegetable forms, and textures, are the result of metamorphosis, and combination or arrangement, of the elementary organs. Simple utricles are modified into tubes, solid fibres, and membranes; and these, again, are combined and arranged into stems of various degrees of solidity, - or expanded into appendages of various figure or outline, and of different degrees of firmness or consistency. The appendages, thus compounded, generally assume a determinate figure, in each species. At successive stages of development, they are put forth in different forms and dimensions - finally much modified in texture, and mostly changed in color. They usually become smaller, and more entire, as they approach the flowering stage, - and at that stage, are aggregated, or thrown into verticils; each successive modification being designated by a distinguishing appellation - viz. Bracts, Involucres, Calyx, Corolla, Nectaries, Stamens and Pistils: & these either remain distinct; or, by crowding, become more or less soldered together. The changes thus successively wrought in the appendages, or leaves, are all the result of modification and arrangement of the elementary organs, - which are continually multiplying, or causing growth. This process of growth - though of variable rapidity - may be regarded as an incessant production of raw material: the metamorphosis, as a gradual and successive manufacture of the same, - commencing with the cotyledons, and terminating with the seeds! The career of the individual terminates, by the final metamorphosis of its appendages into the embryos of new individuals. (b) The fact, of this successive metamorphosis, is shown by the occasional failure of the process, - when the final verticils - the Stamens, Pistils, and even the ovules - are sometimes found in the crude or less elaborated condition of the cauline appendages, below them. Where, then, shall we fix the line of demarcation, between vegetation & reproduction?

(a) This is probably the process in Animals, also: and the Psalmist appears to have entertained views not very dissimilar. He says, "Thine eyes did see my substance, yet being imperfect; and in thy book were all my members written; which day by day were fashioned, when as yet there was none of them!"

(b) This is the career, in annual plants. In perennials, the metamorphosis annually terminates in Buds, or rudiments of branches - as well as in flowers and fruit: but buds are only a stage, or resting place, in the process. The development is resumed the next year; and the final termination of all stems and branches - or rather of their appendages - is in Embryos, - or in the apparatus which produces them.

Is there, in a strict philosophical sense, any such line? Or is not the whole process of vegetable development, in fact, one continued series of reproduction of elementary organs, - which are gradually modified, and variously combined, to produce the multifarious results - even to the termination in new Embryos? Does not all that we know, confirm this view of the operations in Nature - which are continually producing the most complex results from the simplest materials? - The utricles go on multiplying, in the successively metamorphosed appendages, until they reach their final transformation into Stamens and Pistils. In the last verticil (i.e. the Pistils) the final metamorphosis of the utricles is into ovules; while in the penultimate verticil, the multiplied utricles are so elaborated that they become free, or detached from each other, in the anther, and then are dispersed in the form of Pollen. A number of them alight upon the Stigmas of the Pistils, - where, being stimulated by the stigmatic secretion, they elongate themselves until they reach the ovules: and then, are either modified into incipient Embryos (according to Schleiden and Endlicher), - or, they excite an action in the utricles which they find already formed in the ovules, by which excitement these last are transformed into Embryos, - or, again, there may be a reciprocal influence and affinity, between the highly elaborated utricles of the anthers and ovules, by which, when they meet, a new action is excited, - or a combination effected, - and a tertium quid produced, in the form of Embryos. The production of Hybrids would seem to favor this last supposition, - though the theory of Schleiden, on the whole, appears most plausible: and even Hybrids may be formed of antherine utricles, modified by the influence peculiar to their unwonted position.

The tendency of utricles to elongate into tubes and fibres, is only observable in those which are most highly elaborated - i.e. in the most complex and perfect Plants: and hence, in flowering plants, the utricles formed in the anthers readily elongate through the styles until they reach the ovules; - while in the lower orders, or Cellulares, the utricles do not elongate, - but still, they are enabled to reproduce their kind by a simplest process - forming, without the apparatus of flowers, a substitute for Embryos, called Sporae.

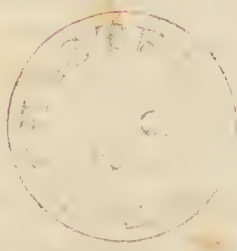
But I think I hear you exclaim - "A truce with this frightful, interminable rignarole!" A truce be it, then. Many thanks for the pamphlet on "The Chemistry of Vegetation" - just received. I have read it with great pleasure, and no less instruction. - I got Wiley & Putnam to procure for me Walpers' Repertorium - a kind of Supplement to D.C. Prodrum, - in 2 vols. But they are sending me numbers of a third volume, which goes ahead of D.C. What does Walpers mean by that? I do not want such a work as that seems intended to be - I have ordered it discontinued. The whole affair costs more than it is worth, to me. W. & P. also procured for me, Buck's Index Candellianus - a convenient book for those who refer much to D.C. Prodrum. But as I have Rudolphi's Nomenclator, which answers pretty well the same purpose, I would part with Buck's work. If any Botanist of your acquaintance would like to have it, tell him it is at his service. It is rather a costly volume. It stands me in 6.25 - its half bound. Any one may have it for 6 dolls. I have procured Jepson's Covers Elementaria. It is very interesting, & very scientific. I should like to hear how you are getting on with all your pursuits: and if you will give me your word, on honor, that you have read the whole of this mortal Epistle, I will vouch for your being one of the best natured & most patient men in all my acquaintance. I should say your name ought to be Job, instead of Asa: & you will say my letters are Job's Comforting. But I am, nevertheless, Dr. A. Gray, Cambridge. - very sincerely your friend, Wm. Darlington

Do you derive any explanation, Lee? The matter is from
 the 204th line of Wright's *Allegory* - when he is talking about "Bees",
 and their program for "Stomping". The analogy may seem rather strange, and
 not completely, but I suppose the amount of "Stomping" which I have extracted
 from "Stomping", is about equal to the quantity of "Stomping" which "Bees" derive
 from the heart here represented! At any rate, I am confident the
 "Stomping" I have drawn from that source, is not *top* -

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PAID



Prof. A. Gray
 Cambridge
 near Boston
 Massachusetts



West-Chester, Penna. Feb. 22. 1845.

29

My dear Sir, Notwithstanding the enormous rigorous Epistle which I sent to you, some weeks ago, I am tempted to write to you again, to suggest an idea which has occurred to me relative to the forthcoming edition of the Botanical Text Book. I hope it may not be too late for my purpose; and that you may deem it worthy of attention. You know we have no Dictionary of Botanical Terms, which embraces those introduced by several recent Authors of high authority, whose works are indispensable to Students of the present day; and I think it would add greatly to the value of the Text Book - without much increasing its size - if you would extend the Glossarial Index, so as to include the new Terms employed by Leaving, De Candolle & Jussieu - and especially those used by Endlicher, in his Genera Plantarum. I allude particularly to those Terms which are derived or coined from Greek roots, and which require a definition to enable the mere English Scholar to understand and appreciate their exact meaning and applicability. This is a matter of more importance than Classical Scholars seem to be aware of. Being themselves familiar with the meaning of those Terms, they do not appear to consider how obscure, and formidable - not to say repulsive - such jawbreakers are, to Learners who know no language but the vernacular. Whereas, if they were properly explained, their significance would be readily understood, and the meaning, thus given, would serve as a kind of Mnemonic to the Student - enabling him to associate the outlandish words with the ideas they are intended to convey. It is not necessary to explain the names of Orders, & Tribes, which are derived from the Genera which are their Types: these explain themselves. It is those Terms which indicate character, that require elucidation; and these would not greatly swell your Glossary - while they would be of inestimable value to the English Student.

If your Glossarial Index is not yet printed, I do hope you will take this matter into consideration - for the sake of those who, like myself, have not had the advantage of a Classical education. You may rely upon it, that a few pages of the kind of Glossary referred to, would be esteemed by many of us as among the most useful and satisfactory in the book. You could readily collect the most of these Terms by turning over the works mentioned; and if I could be of any service in relieving you from any portion of the mere drudgery of such a task, I would with pleasure compile an alphabetical list of such Terms as I think ought to be explained, in an Elementary work such as yours. The Glossary, in the last Edition, is excellent - as far as it goes: But many Terms, which it is indispensable now to understand, are not included. No Botanist can afford to be ignorant of the meaning of the Terms employed by Endlicher, in his great work: and yet I must confess that I am often at a loss to know whether I comprehend their precise import. I am confident this must also be the misfortune of many others; and hence it is that I wish you to supply our wants, in the forthcoming Tenth Book. Although it may be true, that verbum Sapientibus sat - it is equally true, that Inipientibus non sufficit. We must have not only the word, but its exact meaning, before we can be thoroughly satisfied. Trusting, however, that a suggestion may be sufficient for you, in the present case - I will dilate no further on its importance, at this time.

I have just finished reading Adrien de Jussieu's "Cours Elementaire de Botanique". It is a most admirable little work; and contains, I think, more real information on the subject than I ever before saw, condensed within the same compass. It seems, however, to be essentially on the same plan with the Tenth Book; and I doubt not your new Edition will give us, in our own tongue, all that is desirable - and even more than is contained in the "Cours Elementaire".

I suppose you still adhere to the use of the word Carpellum, or Carpel, in the Tenth Book - as do all the French Botanists; but I observe that Reichenbach makes it Carpidium, - and speaks with contempt of Carpellum, as a bastard word. In his edition of Möller's Handbuch der Gewächskunde, Reichenbach has the following note on that word: "Carpidium heißen Theilfrüchtchen, die gesonderten Fächer einer in ihre Theile zerfallenen Kapsel. Bei Urkunde der griechischen Sprache schreibt man auch mit einem Bastardworte - Carpella; und macht wohl auch ein deutsch barbarisches Wort daraus - Carpellen. Ich gab die Berichtigung im Jahr 1824 im Hort. bot. pag. 5. und Sprachkundige haben nie anders geschrieben." Carpidium is, doubtless, the legitimate form of the word; but we cannot Anglicize it so conveniently up Carpellum: - Carpel sounds better, and is less equivocal than Carpid (which comes too near to Carpet): and moreover, we have become so accustomed to the French word - spurious though it be - that I presume it may be considered as established in our language.

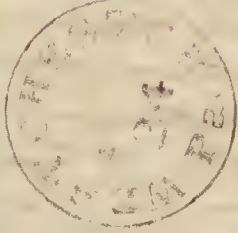
I shall be happy to hear, when leisure permits - if indeed you have any leisure - what the prospect is of another number of the N. A. Flora going to press. I trust you will push forward that work with all possible despatch, for the sake of your living Subscribers; and not wait for the completion of materials. Hallam says, "An author who waits till all requisite materials are accumulated to his hands, is but watching the stream that will run on forever!"

I have to thank you for several printed Sheets, recently received. Such favors are now particularly welcome: for I do not, at present, take any periodicals. My Book-cases are overflowing with those I have been taking for the last forty years. Very sincerely and truly
Your obliged friend,
Prof. A. Gray, }
Cambridge. }
Wm. Darlington

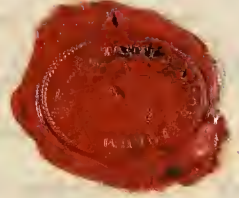
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J. H.



Prof. A. Gray
Cambridge,
near Boston,
Massachusetts



And Oct. 27, -

Weyt-Chester, Penn: Octo. 17. 1845.

30

My dear Sir, It is a considerable time since I have written to you, and I have, consequently, been so long deprived of the pleasure of the quid pro quo: But I had two reasons for my forbearance, viz. 1st. I did not wish to interrupt your useful labors - and 2nd. I was in hopes that by waiting a good while, I should be rewarded with the information that you had the next number of the N. A. Flora nearly ready for delivery. I have heard nothing of it since I saw you, in March, last; and as you then talked of resuming that work at an early day, I trust you are now prepared to announce the speedy appearance of the expected number. In the mean time, I have to acknowledge the receipt of the Plantae Lindheimerianae, and one or two other printed sheets, for which you will please accept my thanks. Those excerpts from the periodicals are very gratifying to me, inasmuch as I do not receive the works themselves. As I have no sort of information to communicate to you - and as my object in troubling you with my Epistles, is to draw information from you, I will endeavor to arrange the topics so that you can answer my inquiries seriatim. First, then, as to the number of the Flora, abovementioned, - when may we hope to see it? Secondly, Is Dr. Torrey's Flora of New York out? A gentleman told me, lately, that he understood it was published; but I have seen no notice of it. I am curious to see it: although, if the N. A. Flora were once completed, it would be rather a work of supererogation. Thirdly, Have you any certain information of the time when we may expect the 10th part of De Candolle's Prodrromus? I think it is due now.

Fourthly, Do you know whether the 5th volume of Kunth's Enumeratio Plantarum has been published? That, & De Candolle's Prodromus, are the only two foreign works which I now take; and I despair of seeing them completed. But I was in hopes, as they begin at opposite ends of the vegetable Kingdom, that I might live to see them meet, and thus become possessed of a tolerably complete general Flora. If I had them that far - & your N. A. Flora - I think I could rest tolerably satisfied.

Fifthly, Did Dr. Engelmann ever send you a copy of his Dissertatio inauguralis Phytomorphologica? I think it very probable he did: But, as I have been favored with two copies, I thought I would just say to you, that if you have not received one, I will send you one of mine. It is quite an interesting pamphlet; and, being published in 1832, shows that Dr. E. was one of the earlier investigators of the curious phenomena of Morphology.

Apropos, of Morphology - Did I lend you the octavo volume, accompanying the Atlas by Turpin and Dr. Martins? If I did not, I know not what has become of it. I do not want it - but much would like to know where it is. If you have it, it is all right: & you can keep both until you are satisfied - I then send them to Cary & Hart, Philad^a - when a suitable opportunity offers. - I saw, lately, in possession of my friend E. Tutnell, at Wilmington, Del. a species of Asclepias, which I do not know, & cannot find in the Books. He said it was collected near Cape May, New Jersey.

and has promised to lend it to me, to be forwarded to you, before you reach the Asclepiadaceae in the Flora. It is a rather slender plant, apparently not branching, about 2 feet high, with opposite narrow-lanceolate leaves, and a terminal umbel of orange-yellow flowers. I have never seen any thing like it. Possibly you may have met with it: But if not, you must see it before you get to that family. If you do not recognize it from the foregoing features, I will have it forwarded. Mr. Tutnell is to collect a quantity of Nuttall's for you - as it grows plentiful in the vicinity. I believe I have more to say at this time - it be to remind you, that I have not yet sent you the promised opinion of the Dr. in Harvard, upon the grass of my Latinity; in that Ep^l which I submitted to you ago. As the time is rapidly when it will be wanted (if any thing of the kind should be thought expedient) - I wish, when opportunity offers, you would just ascertain whether super, in that case, governs in the ablativum, or accusative. Excuse this small matter - I believe me, in all cases, very truly & sincerely, your obliged friend,
Dr. A. Gray, }
Cambridge. }

In
Memory of
Doctor William Darlington.
Born April 28, 1782.
Died — 18 —
Plantae Cestrenses,
quas olim descripsit et dilexit,
super Turmulum ejus
semper floecant!

Fourthly, Do you know whether the 5th volume of
Kuntz's Enumeratio Plantarum has been published?
That, & De Candolle's Prodrômus, are the only two
foreign works which I now take; and I despair
of seeing them completed. But I was in hopes,
as they begin at opposite ends of the vegetable
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thing like it. Possibly you may have met with
it; but if not, you must see it before you
get to that family. If you do not recognize it
from the foregoing features, I will endeavor to
have it forwarded. Mr. Tutnell also promised
to collect a quantity of Nuttall's Aster nudiflorus,
for you - as it grows plentifully in that
vicinity. I believe I have nothing
more to say at this time - unless
it be to remind you, that you
have not yet sent me the
promised opinion of the Teacher of Languages,
in Harvard, upon the grammatical correctness
of my Latinity; in that Epitaphical sentence
which I submitted to you, a year or two
ago. As the time is rapidly approaching
when it will be wanted (if any thing of
the kind should be thought expedient) -
I wish, when opportunity offers, you would
just ascertain whether super, in that case,
governs ^{in the} ablative, or accusative. Excuse
this small matter - I believe me, in all cases,
Dr. A. Gray, } very truly & sincerely, your obliged
Friend, Wm. Darlington

Wright-Chester, Penna. Novem. 6. 1845.

31

My dear Sir, Your obliging favor of "Saturday evening" = Octo. 25. /, was duly received: and as I perceive by your inquiries, preliminary to answering mine, that I had omitted some acknowledgments which were due to you, I proceed to reply without unnecessary delay. The Text Book was received, and Mr. Hoopes's copy handed to him, about the middle of May last; for which we are both very grateful. I think this second edition is equal to Jepson's Cours Elementaire, - which is as high a commendation as I know how to bestow - or you can expect. The Student of Botany has now no excuse for ignorance - and no genuine student will attempt any. I only regret - as Endlicher is a great favorite of mine - that I have no thorough exposition, in English, of his terms, & system of arrangement; so that I can be sure that I entirely comprehended every part of his great work. I spend some of my leisure hours in endeavoring to anglify his system, and adapt it to the comprehension of common reading; but as I am a mere smatterer at Latin, I am often in doubt whether I understand him sufficiently to give his exact meaning. I believe I told you, in a former letter, that I had some notion of trying to sketch a little work, under the title of Agricultural Botany; in which I proposed to enumerate and describe those plants - and those only - which are entitled to the notice of American Farmers - either for their valuable or pernicious properties, or for the frequency of their occurrence, as weeds, in cultivated grounds. My idea is, to classify the work strictly in accordance with Endlicher's Genera - but to render it, at the same time, as easy to popular apprehension as the English language will permit. I would have the arrangement and descriptions intelligible, if possible, to the plainest agricultural mind; and yet founded on scientific principles; so that those who have capacity and taste for such inquiries may be tempted and aided to extend their researches still further, - and ultimately become acquainted with other portions of the vegetable Kingdom. In short, my project is, to unite every day practical knowledge with just as much science as the recipient can take without loathing, - and by means of an utilitarian bait, entice him gradually and unconsciously to the acquisition of knowledge which will expand his views, and elevate his intellectual character. I know not whether such a work be practicable - and have serious misgivings of my own fitness for the task: - But as I like to have some object of pursuit, to amuse an idle hour - and can devise no other, connected with my favorite study - I sometimes spend a morning in coming over and digesting a Catalogue of those plants which daily present themselves to the notice of the Farmer - and with which, it seems to me, every intelligent Agriculturist ought to be acquainted.

If it would not be too great a boon - amid your numerous and arduous employments - I would like ^{some day} to send you my skeleton list of the plants which I propose to insert, for the sake of obtaining your opinion whether or not it is too comprehensive. I find it a little difficult to satisfy myself in fixing the limits: sometimes I strike out - & then again insert. At present, it contains all the plants usually cultivated, for some useful purpose, on our farms, or in our gardens, - some of the most remarkable or valuable medicinal plants, - all the decidedly pernicious & troublesome plants, and such of the merely worthless weeds as appear conspicuously on our farms, and ought to be expelled, or superseded by more useful ones. To these, I have added the forest trees that are valuable for their timber - and the few trees which are commonly planted about houses for shade: Altogether amounting to about 140 genera, and 450 species. It may, perhaps, be expedient to reduce the number, a little; and yet I should like to have the ^{list} tolerably complete. It occurred to me, that it might be satisfactory - and at all events it would more completely exhibit the machinery of the arrangement - to insert a brief notice of a few Cryptogamic genera and species, which are of an useful, or injurious, character: such, for example, as two or three Lichens which afford nutriment, or dye-stuff; - and three or four of those mischievous Fungi, which injure our crops; and one or two that are edible. As you have been making a study of those pernicious little Fungi - and as I have no satisfactory Books to aid me in their description - I shall have to call upon you to furnish me with an appropriate notice of them. I trust you could do it without much trouble. In the mean time, I should esteem it a great favor, if you would give me the received, modern, generic & specific names (if I have not got them right) of the following: (of course, I wish Endlicher's generic names.) viz. 1. Cladonia rangiferina - 2. Picta pulmonacea - 3. Cetraria Islandica - 4. Roccella tinctoria - 5. Uredo segetum, U. Zeae - 6. Puccinia Songhii. [By these last three, I merely mean to indicate that I want the names of Mildew, Blight ^{or Smut}, & Rust: for I am probably wrong in the names.] - 7. Mucor Mucedo (a Mould). - 8. Sclerotium clavus (Ergot) - 9. Tuber hypogaeum (Tuckahoe, or Truffle) - and 10. Agaricus campestris (edible Mushroom).

If you will send me the generic names (as in Endlicher) of the plants here indicated - & the approved specific name of the species (with the authority), you will much oblige me -

and I think I will weave them, or some of them, into my Catalogue raisonné. When a brief description is wanted, I may possibly trouble you again at some future day - if I cannot meet with one in the Books. At present, I will only ask for the names - especially of those Fungi which injure our crops. I hope it will not interfere much with your indispensable duties, to grant me this boon; & yet I feel an apology to be due for the liberty thus taken. I do not like to hear you speak of ill health. You must make your health your first care - let whatever else be neglected. You have a great work to do, which no one else is going to do, or can do, in our generation: & therefore I solemnly enjoin upon you to watch vigilantly every indication of ill health - and studiously avoid as many of the causes, as possible. But I have run on so, I must now condense what I have to say. The Plantae Lindheimerianae come duly to hand - thus imposing on me another obligation. You are heartily welcome to a copy of Flore Cestrice. I shall take one with me, when I go to the City, in about two weeks, - & will forward it by some Express line, if I can find one. I will enclose with it, a copy of Engelmann's Dissertation. There is no hurry at all for the vols. of Jurpin & Goethe. Keep them until you are fully satisfied, & have a convenient way to send them. That Asclepias may be A. paupercula; but it has deep yellow flowers - & the books, i.e. Muhl. & Ell. say paupercula has purple flowers. True, Michx. says reddish, with yellow appendices - & Pursh copies him: Therefore it may be paupercula. If I live till next summer, I will send you some Talinum: and will try to get some friend to aid me in collecting some specimens of our plants for Mr. Carey's Herbarium. I regret very much you did not see more of him. He is a first rate man; and has a decided taste for our favorite pursuit. I forwarded your note, and think it probable you will hear from him. Pray excuse this formidable Epistle - I believe me truly your obliged friend,

Dr. A. Gray, Cambridge }
Yrs Darling ton

Thank you for your attention to the Scientific Enquirer.
I am pleased to find, from authority, that notice, in this case, may
be combined with the account, in the abstract - or I think
it preferable. I do not think the suggestion, of the Journal, in the
margin, being separated from the body, of much weight; - for a
turning being a matter, or kind of case, which may well be
well up a tick - plants may well learn on the spot.
Your suggestion is exactly a decided improvement in the
writing: of which, "I think" is not too strong an expression.

10

1844

Prof. A. Gray

Cambridge

Massachusetts

West. Chester, Penn^a May 6. 1846.

My dear Sir, Your esteemed & very interesting favor of the 18th ult. was duly received. It is true, I owed you a letter, and was about to write before yours arrived. My chief reason for delay, was a desire not to intrude myself upon your attention, during your engagement in the course of lectures. I hope you are now through, for the season, at least; & I shall be apt to trouble you occasionally with interrogatories. In the mean time, I am highly gratified to learn that you "are really & in earnest at work at the Flora again." If you can only stick to it, I will hope to live to see it completed. That other magnificent project, if it does not interfere too much with the Flora, will indeed be a monument worthy of the projector; & I shall rejoice to see it under way. It will give me pleasure to furnish any fresh specimens for the work, that may be within my reach. I have procured some Falinum, & expect to take it with me to Philad^a tomorrow - when it will be forwarded by the Express. In its season I will also endeavor to send Cuphea, in the same way. I have notified to Miss Mirvis your wishes about Cocculus & Nelumbium; & have no doubt she will endeavor to attend to them. I suppose your illustrations of American Genera will put Quartus, de Fructibus &c. completely in the shade. All I have to say, is, perge prosperaque: & may the Botanical world have disconcertment enough to rightly appreciate your labors. I have been amusing myself, this spring, in compiling that Farmers Flora, or Agricultural Botany, that I mentioned in my last,

I have taken your advice, & have arranged it strictly in conformity with the method indicated in the last edition of the Text-book - instead of following Endlicher, as originally intended. My chief motive in adopting Endlicher's method, originally, was because his work was complete, & DeCandolle's was not: But your sketches of the Orders, in the Text Book, answer every purpose, - and I have taken the liberty of availing myself pretty freely of your definitions of Groups & Orders. I am about two thirds through with my project; & if I should conclude to print, when I get quite through, I will probably get my Son (who printed Reliq. Baldwin) to strike off a few copies. The Philad. Bookellers would much rather print Nursery tales than Agricultural Botany - & I am too proud to go a begging among them to find a publisher. I think I told you that my plan is, to be as correct, scientifically, as I can, - & to add ^{such} familiar notes & remarks, as occur to me, respecting the character of the plants described. I endeavor to explain all the terms employed, in a copious glossary - & also to give the derivation of the generic names as far as known. I have come across two such names, so far, which my books do not enable me to explain; & you can probably supply the deficiency. One is Foumfont's genus, Cirsium, & the other is Cassini's genus, Maruta. If you already know their derivation (as is most probable), may let me have it; or if you do not deal in such trifles, please to turn to your Books

and ascertain it for me. I suspect Cirsium is some old Greek name for a Thistle - but I cannot find it; and as to Maruta, I am equally at a loss. - I should also like to know whether the Elms which form the noble avenues, at New Haven, are our Ulmus Americana - or what the species is. When there, 8 or 9 years ago, I neglected to notice whether it was our American Elm, or a foreigner. If you know, I wish you would inform me.

I believe I have nothing more to trouble you with, at present; but I cannot say how long it may be before I present some more inquiries. Oh! I had like to have forgotten another - What is the color of the corolla of the cultivated Indigo? is it blue? None of my books speak of the color - & my specimen is in fruit.

I shall be happy to hear from you whenever you have that much leisure - & especially an answer to these questions.

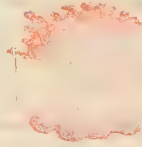
I duly rec^d your printed papers, & am greatly indebted for them.

In haste
yours truly
Prof. A. Gray,
Cambridge, Mass.)
Wm. Darlington

PAID 10

Prof. A. Gray,
Cambridge
near Boston,
Mass.

the 7th



Monday July 2^d.

West-Chester, Penn. - June 27. 1846.

33

My dear Sir, The other day, I received a letter from Miss Morris, in which she said you were desirous of receiving some specimens of Papaver dubium. I wrote her that the only locality I knew of, was seven miles off - & the season of flowering rather past - & that I feared I should not be able to get it. Since then, I saw my friend Joshua Hoopes - & told him you wanted the plant; - and last evening, I found he obtained them I have not learnt: but such as they are, they are at your service. The capsules are more than half grown. I put them in press, to preserve them; I will await your orders. If you think them worth having, and would like to have them while they are in the tough half dried state - I expect to go to Philad^a the latter end of next week, I can forward them by Express: or, if you prefer it, I can keep them, & send them with the Cuphea, in the fall. You will therefore please let me know which you prefer - & I shall be governed accordingly.

Miss M. said, also, that you wanted Melothria pendula. That plant does not belong to these parts. My specimen is from the South or West. No doubt some of your Southern or South Western correspondents could furnish it. Dr. Short is, or used to be, first rate at furnishing specimens. - I should be glad to hear if you are actually getting out the next No. of Flora - or whether the New work is encroaching all your time. I learn that the 10th vol. of Dr. Prodrang is on its way to this country. I hear nothing of Kuntze's 5th vol.

I am still amusing myself with the Agricultural Botany. It will be a queer jumble of technicalities and familiar observations, - and how it may be regarded, by those concerned, I can form no guess: but I think I shall try the experiment on a small scale. In the course of my sketchings, I meet with some things that I am not able to explain satisfactorily; and I will now make out a list of queries which, if you have time, you will oblige me by answering sooner.

1. Is not our Indian Turnep, the Arisaema of Martius, Endlicher & Kunth? What is the exact etymology of that name? -
2. The Authors of Magnoliaceae are said ^{in the books} to be introorse, but as far as I have examined (and especially in Triodendron) they seem to me to be extroorse. Have you noticed the circumstance particularly?
3. Which of all the generic names would you adopt for the old Tigania aquatica? If Hydrochloa, is not aquatica the proper specific name? Yet I see Stendel makes Hydrochloa aquatica out of Glyceria aquatica. Kunth has it Hydropyrene. Please give me the best name, in your opinion, with the proper authority for the species.
4. Have you ever found, in the U. States, Cetraria Islandica, & Cladonia rangiferina? if so, where?
5. Are you perfectly certain that the Elms of New Haven are the U. fulva? I had no idea that species grow so large. With us, it is generally a smallish tree with straggling branches - while the U. Americana grows to a great size.
6. Last April, I had an imperfect specimen of a plant sent me from Alabama, which was named "Coco-grass" said to be a great pest among the Sugar planters. Is that the Cyperus Hydra? or do you know the name, Coco-grass?

7. Did not Torr. & Gray first use the term Caryophyll.: Caceae, for Jussieu's Order Caryophylleae?

8. I observe that Endlicher (& yourself in the Text book) says the seed of Symplocarpus is exalbuminous. What, then, is the mass of the large seed? It looks to me like fleshy albumen. When the seed vegetates, what becomes of that mass? -

9. What system of Mythology could De Candolle have referred to, in explaining the name of the genus Archemora? I can find no such account of Archemorus, as he gives. I once inquired of Prof. Author, of New York, about it: but he only remarked that the French were very inaccurate in such matters.

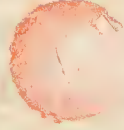
10. De Candolle's arrangement appears to be Jussieu's & Endlicher's, turned the other end foremost. To be consistent, is it requisite to invert the order of the Tribes? or would it not be as well to observe the same arrangement of the subdivisions of the Grasses, & other large orders?

I think I have now put as many questions as you would like to answer - even if you were at perfect leisure; & probably more than your convenience will now permit you to answer. But I ask only the shortest possible replies to the inquiries. I was much obliged by the promptitude of your former answers - & will endeavor ~~to~~ to be as little of a boor as possible, hereafter. In haste, your obliged fr.

Prof. A. Gray, }
Cambridge, Mass. }
Yrs Darlington

PAID

Prof. A. Gray
Cambridge
near Boston,
Massachusetts



West Chester, Penn^a Sept. 1. 1846, 34

My dear Sir, I have just returned from Philad^a and find some specimens of Cuspea, which my friend Joshua Hoopes has collected for you, in my absence. The roots have been kept in water, so that the flowers are yet fresh; but how well they may keep in the little box, on their way to you, I cannot say. I shall defer cutting off the buds & flowers until the mail is nearly ready to start - to give them all the chance I can. I hope they may answer your purpose. I will also send a few specimens in a newspaper, as you first proposed. I between the two I hope your artists can make a good sketch of the plant. So far from objecting, I entirely approve of Dr. Pickering's notion of restricting your new work to native Genera. In my view, it will give it a peculiar interest - & at the same time afford materials for quite as large a work as will be convenient for either author or purchaser. I observe I have the 10th vol. of DeCandolle. I observe our Echinopomum is reduced to a Cynoglossum. It is one of the wreaths of my Agric. Bot. and I had described it by the old name, before I received DC. I am disposed, however, to think it may be properly referred to Cynoglossum. What say you? If you approve, I will do that part over again, and call the plant Cynoglossum Morrisii, DC.

You intimate a wish to see the U.S. of my project for a Tanner's Flora. If you think you can find time to glance over it, I shall be glad to submit it to your inspection - I take your opinion whether it is worth printing, or not. I expect to be through with it, in a few weeks. I am very glad to hear you are at work at your Flora, and trust you will go ahead with all practicable despatch. I have heard it suggested that it was your intention to hold back & keep behind Dr. Prodrum. I have no doubt it would be interesting, & useful, to have the advantage of his remarks &c. But I do think that it is rather your place to afford him the advantage of your superior local knowledge. He ought to have the benefit of your more intimate acquaintance with American plants. and by quoting you, would make your Flora more extensively known throughout the old world. There may be no foundation for the surmise - & I hope there is not: for I think you should push forward the N. A. Flora as fast as possible. - I am apprehensive I shall not be able to procure the Obolaria, as you mention. The old locality near this village, which was formerly so abundant in specimens, is now totally destroyed - & I should scarcely know where to look for the plant.

I had a visit, the other day, from Dr. Wright, an English Botanist, who brought me a letter from

from Dr. Boott. Probably you will have seen him before this reaches you - as he is gone North. I propose to call on you. I was much pleased with his enthusiasm for the Science, & his familiarity with the whole subject. I showed him my Papaver - which you suggested might be P. Rhoeas: but he pronounces it undoubted P. dubium.

I have conformed to your views respecting Arum & Lizania - mentioned in yours of July last. With respect to figures for my Agric. Bot. which you suggest, I think they are out of the question - unless some liberal bookeller of ample means would undertake it. Besides - many of the plants have already been figured - & unless they could now be very completely done, I should think they had better be left undone. I could not for a moment indulge such an idea, with my means, & at my time of life. -

You shall not only have an autograph of my friend Baldwin, but one of his entire Letters to me, the first opportunity: if not sooner, it can come when I send the U.S. of my Agric. Bot.

In haste, yours truly,
Prof. A. Gray, }
Cambridge }
Wm. Darlington

P. S. I have asked my children to call on you at
Cambridge to see you, in July - but you were
not at home. They had been on a Northern
excursion.

10

Prof. A. Gray,
Cambridge
near Boston
Mass.

Ortho. Question
Sept 7th 1862

is now
= want
the



October 16. 1846. West-Chester, P^a

35

My dear Sir, Although I had my fears that the little box of Cupressus blopsoni would be wilted & shrivelled up, before they reached you, - I am anxious to learn the exact condition in which they arrived - if, indeed, they did reach you. I also put a few specimens in a newspaper, & sent them at the same time. I should be very glad to hear that the specimens in the box in any degree answered the purpose.

You mentioned, in a former letter, that you would like to see the M.S. of the Agricultural Botany which I have been compiling. If you think you could have leisure and patience to look over it, I should be much pleased. I have now got through (after a fashion) with the body of the work: and if you say so, I will send it on to you. I shall be going to Philad^a in a couple of weeks, - & if you will let me know, in the mean time, whether it will suit you to look over the M.S. - & the reply

shall be in the affirmative, I will take the package with me, & send it on by the Express.

I understand from Miss Morris that you have some expectation of coming to Philad^a to examine the Herbarium of the Academy, this fall: if you should come - I cannot extend your journey to this place. I will endeavor to meet you in the City, if you will advise me of your arrival there, I should be extremely gratified if you could find time to come on here, and take a look into our Herbarium, also. I like to see the note of admiration annexed to the references to H. Lestria - even when you have to correct the blunders in it.

Trusting to hear from you before I go to Philad^a again - so that I may know whether or not to inflict my manuscript on you - I remain, in haste,

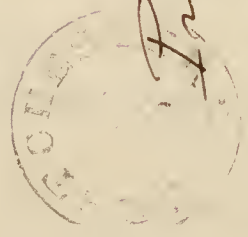
Your much obliged friend,

Wm Darlington

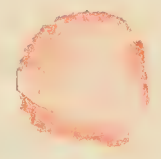
Prof. A. Gray, }
Cambridge, Mass. }

ta
o

PAID
10



Prof. A. Gray
Cambridge
near Boston
Massachusetts



West-Chester, Penn^a Octo. 22. 1846.

36

My dear Sir, You here have the Manuscript of my attempt to compile a Farmer's Flora, - which you were kind enough to express a wish to look at. I have strong misgivings of its fitness for the purpose intended; but it is the nearest I can come to such a work. My idea was, to describe all the plants - both useful & pernicious - which it is the interest of the farmer to be acquainted with; and I thought it best to adopt the arrangement, and descriptive language, of Scientific Botany, - with such familiar notes, & remarks, as may enable the inquisitive young farmer to arrive at a knowledge of the plants described - together with my opinion of their character. With the aid of the popular names, I believe the greater number may be ascertained without much trouble, & thus the characters may be studied (by those who choose to do it) with all ease & certainty. I had some difficulty in drawing ^{satisfactorily} the line of demarcation between those plants which ought to be inserted, & those which might be omitted. You have here, the result at which I arrived: - amounting to 250 Genera, & 370 Species. I

thought it best to insert all the useful plants which are usually to be found in the Kitchen Garden, as well as those which are cultivated on the farm; - as every farmer has, or ought to have, a good kitchen garden, - & therefore ought to know the plants he cultivates in the garden, as well as in the field.

I do not expect, nor ask, you to read the whole mass; but if you have leisure to glance over the sheets - and should discover any glaring errors, I wish you would note them with a pencil on the left page; and if it is not too much trouble, I should be glad to have the proper correction indicated: i.e. provided you think the work worth correcting, & worth printing when corrected.

The body of the work is all here; but if you give it your imprimatur, I shall prefix an ample Glossary - a key to the investigation of the Genera, by the Linnaean Method - and a Synopsis of the Groups & Orders from your Text Book - with other preliminary matter; and a full Index at the end. It is intended, as you will perceive, that your Text Book shall be a preparatory study for those who may wish thoroughly to comprehend the subject matter; & hence I have adopted the exact arrangement, numbers of the Orders, & definitions, of that work.

You will observe that, in addition to the useful cultivated plants, and the pernicious weeds, which infect the farm, I have inserted the valuable Forest trees which afford timber, &c. - believing it desirable that the farmer should know them, as well as the strictly agricultural plants. A similar reason induced me to add the few ornamental shade trees which are commonly planted about dwellings. - But, in short, here the work is: Look over it, if you can spare the time - & tell me candidly your opinion of it. If you say print, I will print a few copies, at my own expense - for the Booksellers are all afraid of new works from obscure sources. If, on the other hand, you believe it is not adapted to the purpose intended - say so without hesitation; and I will lay it on the shelf without a regret, or a further thought. I do not & shall not gudge the labor - whether I print or not; - for I have found amusement, & even instruction, in the compilation, & re-examination of many of the plants, - common as most of them are. -

You expressed a wish for an autograph of my poor friend Baldwin. I now send you one of his letters to me - which you will please accept as a memento of a choice spirit - & as a token of the esteem of your obliged friend,
W. Darlington.
Dr. A. Gray.

Wext-Chester, November 10. 1846.

37

My dear Sir, You gave me the slip, on your return from Washington, very much to my disappointment. You spoke of being back to Philad^a on Thursday; & I went down on that day, with a parcel of specimens from our Herbarium, which I was desirous you should see, and pass judgment upon, before your next number of Flova went to press. Among others, I had all our doubtful American Gentians. On reviewing our specimens, I find I had forgotten the origin of some of them. The specimen with spiculate-obovate leaves (which induced me to say the leaves of G. ochroleuca varied from lanceolate to obovate) I find was col-
lected ^{by myself} in Virginia, near Suffolk, about 25 miles back of Norfolk. It is not in flower; but I now think it is most probably the true G. ochroleuca, - and it is the only specimen I have of that form. Those collected in this County, are undoubtedly the same as those in the Philad^a Academy, viz. your flavida - or umbellata, or alba. So that my G. ochroleuca, in Fl. Cætica, must be regarded as G. flavida. The Kentucky specimen, from Dr. Shoot, appears to be identical ^{with,} or very nearly related to, a specimen received from the District of Columbia, - figured by Dr. Brereton & his col-
league (in a journal some years ago), under the name of G. Saponaria. I then thought they were wrong, - as the plant differed so much from our G. Saponaria; but it would now seem, that I was all wrong. The Columbia specimen, I have no doubt, is the true G. Saponaria (G. Catesbaei), with linear leaves; and I believe Dr. Shoot's specimen must be referred to the same species. It is true, the flower of the Kentucky ^{specimen} has lost all its blue color, and presents a pale ochroleucous hue; but I have often seen the blue-flowered Gentians lose that hue, in drying. The figure of the Corolla, & the form of the leaves, are so much like my specimens of G. Catesbaei, from the South, that I think (unless you have G. ochroleuca from Kentucky) it will not be safe to give Kentucky as a locality of the true G. ochroleuca. -

I wished also to show you our two species of *Villarsia*, about which I think there is confusion. We have a small species (common in New Jersey), which I believe some authors call *V. lacunosa*: but we have a larger species from the South (rec'd. from Mr. Elliott, I think), with the leaves remarkably pitted, or *lacunose*, beneath, which I should say was the true *V. lacunosa*; but some of the books call it *V. cordata*, though I have no doubt it is the *V. trachysperma*, of Elliott. Have you both species? - I have you unravelled the snarl? - Mr. Daniel B. Smith told me you expected to be in Philad. again, before spring. If I thought you would be there, I would make another effort to show you the specimens I had with me the other day.

Your favor of the 7th came to hand yesterday. I feel the force of your suggestions, relative to the technicalities of my projected *Agricultural Botany*; and am well aware that they would be repulsive to the mass of mere practical farmers. In truth, it was not my design to bring down the science to ^{the vernacular style of} that description of operations, but to try to induce the more intelligent, young & aspiring farmers, to cultivate an acquaintance with the more interesting plants, according to the views & method of the most approved systematic botanists. I have long been trying to persuade our better educated young farmers, that they ought to have a scientific knowledge of the plants which interest them on the farm, - and that it is just as easy to learn their botanical names, and to describe their characters, in the language of Botany, as it is to learn the equivocal jargon, and vulgar terminology, of illiterate clodhoppers. To promote this object, or aid in establishing my views, was the purpose of the work in question; and hence I designedly ^{introduced} and carefully endeavored to employ, all the machinery of arrangement, or classification, sanctioned by the latest & most approved systematic writers. I wished to make the frame-work strictly scientific, - and tempt the young men to become familiar with it, by easy keys, & popular remarks.

By means of an index of the Common names, a large proportion of the plants can be found in the work without the trouble of examination, and when the reader turns to any one thing indicated, ^{if he chooses, he can} study its character in technical language, at his leisure, & thus gradually become familiar with that language; and when a plant has no common name, he may ascertain the generic (if contained in the book) by means of a synopsis of the generic characters, according to the Linnaean Method - which will be prefixed. I mention these things to show you that the technical character of the work is intentional, on my part - with the views briefly stated. Whether practicable to any considerable extent, I presume not to say. But the alterations you suggest, would require the whole to be re-cast, & written over again - which I could not think of undertaking. I would gladly correct glaring errors of the present plan, wherever indicated: But I should be very reluctant to undertake the metamorphosis of the whole affair. If you should think the N.S. worth the trouble of looking over, and marking errors of fact, or mistakes of arrangement, I shall be much obliged. Whether I shall determine to print a small edition, will depend upon the amount of error you may detect, I mark. I got pretty tired of the work before it was finished, as it is, - and shall not be disposed to undertake any very extensive modification of it. In fact, I feel very indifferent about the publication, - as it will probably be more expensive than profitable. I have been repeatedly interrupted while writing this hurried & yet tedious Epistle: So you will please ^{excuse} its brevities and incoherencies. Very truly your obliged Friend,
Wm. Darlington

Dr. A. Gray, Cambridge.

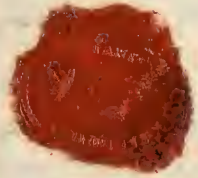
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POST
OFFICE
CHESTER

Prof. A. Gray
Cambridge,
near Boston,
Mass.



West- Chester, Penn. March 10. 1847.

My dear friend, I received, yesterday, one of those literary remittances, with which you have latterly been in the habit of favoring me, and for which I am now more than ever grateful, - as it served to alleviate, for a few moments, the burthen of grief under which my heart is unspeakably oppressed. On the 15th of February, I lost the beloved Partner who, for thirty nine years, has shared all my joys & sorrows, and who, during that long period, has been the stay and comfort of myself and family. The awful hiatus produced by such an event, though of daily occurrence in the world, - can never be thoroughly comprehended until it comes home to us; and indeed I find it almost impossible to rally my desponding spirits. In the hope of shaking off, for a moment, a portion of my gloomy ennui, I determined to acknowledge your recent favor, - and endeavor to draw a letter from you, informing me of your progress, during the winter, in the several tasks in which you are engaged. If any thing can divert my thoughts from a settled melancholy, I believe it will be a re: sumption

=sumption of those amiable studies which have for so many years been my favorite amusement: and hence I shall be greatly your debtor for an occasional communication of any news, or intelligence, connected therewith.

I was inquired of, lately, as to the prospect of another number of the Flora; but I could only reply that I was in hopes of seeing one this spring. Have you got the first volume of the Genera illustrata nearly ready for publication? I wrote to Dr. Torrey, several weeks ago, to see if he could help me to the etymology of the generic name, Maranta, of Cassini, - but have yet received no answer. I suppose his engagements prevent a reply: & it is a matter of such small moment, that I care but little about it. My Son had just commenced printing the Farming Flora, when my wife was taken from us, - and ^{he} is now going ^{on} with it; - otherwise I doubt whether it would be attempted. I offered him the M.S. if he thought it worth while to print a small edition; and as he has begun it, I must now see him through with it.

I did not feel as though I could undertake the modification you suggested - even before

my domestic affliction; and now, I should find it altogether impracticable to accomplish it, in time to suit my Son's convenience. I must therefore let it go to the world in its present form - with such keys, & explanations of its technicalities, as I have been able to annex. When it comes out - if you should think it worth notice, in your Bibliographical Sketches - I must throw myself upon your charity to make the best apology you can, for its repulsive features.

But indeed, my feelings must greatly alter, if I can ever again take much interest in such inconsiderable matters as this forthcoming volume. The approaching season will find the flowers of Chester blooming on the grave of my bosom's long-cherished Companion; and the course of nature assures me, that the occasion for the little inscription, which you once kindly revised for me, will speedily arrive. I feel most sensibly that, at my time of life, it is utterly impossible for the system to regain its wonted elasticity, after such a privation. In sadness, but with great sincerity,
your obliged friend,
Prof. A. Gray,
Cambridge.
Wm. Darlington

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10

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10

Prof. A. Gray
Cambridge

Massachusetts

West. Chester, Penn. - May 3, 1847.

My dear Friend, Although I have so long neglected to acknowledge the receipt of your kind favor of March 28, I beg you to believe that I am not the less grateful for your friendly attention, and condolence with the heart-rending affliction which has overtaken me. I have found it impossible to write, without betraying the gloom & despondency which incessantly prey upon my spirits, and with which I feel that I have no right to annoy my correspondents. I have, besides, been much engaged in superintending some alterations that were being made in a house, in the village, to which I have removed, during the past week. I have left my favorite little Farm, where I so happily resided for more than a quarter of a century. My Sons have all left me, and my family is now so small (being reduced to two Daughters, & a Grand-daughter,) that they were unwilling to remain on the farm: so I have put a tenant on the farm, and betaken myself to the village, - where I am snugly fixed, and should be very glad to see you, whenever you make a visit to Philadelphia, - or can make an excursion this far South.

I was much interested in the specimen sheets of your Manual, or Botany of the Northern U. States. It

It is the very thing now so much wanted, by our Northern Herborizers, as a pocket companion during their excursions; and I have no doubt it will be most acceptable to all the lovers of our amiable Science. I trust you will be careful to insert a description of all the known plants of the Northern States, - so that the student may rely with confidence on finding in it every thing he meets with. Pray don't forget my Euphorbia nemoralis, among other things - which I find is quite a common plant in the Alleghany Mountains - & has also been found by Mr. Curtis, in the Mts. of N. Carolina. You are doubtless aware that the name (nemoralis) which I gave it, must be changed; as Kitaibel has a species of that name, - unknown to me, when I applied it. - I was quite gratified to see Michx's Cardamine rotundifolia allowed a place in the Manual; and should have been still more so, if, in referring to Silliman's Journal, you had also referred to the 18th volume of the same work - where I saw: - deemed to sustain the species, as established by Mez - and in behalf of which I have ever since been contending against fearful odds, until you happily came to the rescue! I shall wait impatiently for the appearance of the Manual in our Bookstores. As for the N. A. Flora, I have given that up in despair - along with deCandolle's Prodrum. I do not calculate

on living to see either of them finished, - although I did, once, please myself much with the idea. My little affair, yclop'd "Agricultural Botany", is about two thirds printed. It will make something like 300 pages (size of Flora Carolina) of small type. Your forcible remarks on its technical features, staggered me very much, and made me hesitate in printing it, at all: But, as it was finished on that plan - and expressly with a view to exhibit a popular notice of the plants described, in connection with the technical machinery employed by Systematic Botanists, - I could not think of undertaking, at my time of life, to new model it; and when my domestic calamity overtook me, I at once felt that the work must appear as originally prepared, or not at all. My son, who is a printer, having undertaken to print it at his own risk - & having made his arrangements for the purpose - I concluded to let him go on. It will undoubtedly be my last attempt to persuade our young farmers to cultivate a scientific acquaintance with the Plants which they are interested to know; and if I have mistaken the mode best suited to accomplish the object, they must accept the will for the deed - and credit my wishes instead of the performance. I hope to have it out in June, or July at farthest; - when a copy shall be forwarded for your inspection, - I have not

not yet heard from Dr. Torrey - & as the etymology
of Maruta had to be left blank: But that
is a small matter. I am more concerned at
being so long dropped from his list of Correspondents:
though I am not unaware of the inksomeness of sus-
-taining an unprofitable Correspondence, when pressed
by indispensable engagements, & interesting pursuits.

I do not, of course, wish to tax your good
nature with the drudgery of writing, when
your College duties, & other employments,
consume all your time: but I hope you
will bear in mind, that whenever you
can devote a few minutes to my edification,
by means of a free & friendly Epistle, you
will be doing a work of real benevolence.

Very truly and sincerely I remain,

my Dear Friend,

Your much obliged,

Prof. A. Gray,
Cambridge, Mass.

W. Darlington

West-Chester, Penn.: July 3. 1847.

My dear Sir, I have, at last, got my little Agricultural Botany through the press, and happen to submit a copy of the work - such as it is - to your inspection. I felt all the force of your objections to its technical character, - and hesitated about committing it to press, at all; But as it was finished in its present form, I concluded it must go forth so, or not at all. In truth, if it had not been finished when it was, (for I had just completed the Preface, when I was overwhelmed by my domestic affliction,) I think it more than probable I should have laid it aside forever. In condemning its technicalities, I wish you to bear in mind, as a palliating circumstance, that it was my original and leading object, to give the work a scientific cast, - to make it conform, in fact, to the most approved arrangement of systematic Botany, and then provide all the popular facilities I could, to enable intelligent young Farmers to understand and appreciate the advantages of Classification, and the uses of technical, scientific precision.

I have endeavored, as you will perceive, in the Preface, to vindicate the views under which I projected the work; and with that brief exposition of my notions, I submit it to its fate. It is, in all probability, the last undertaking of the kind that I shall ever be engaged in. I was induced to attempt it, mainly, by a desire to meet the stereotyped objections of vulgar utilitarians, - that Botany is a mere idle pursuit, of no practical value in life. I wished to aid intelligent young Farmers in perceiving the fact, that a scientific knowledge of the objects of their care is not only a source of mental gratification, but may be made subsidiary to the proper enjoyments of those who delight only in pecuniary considerations. How far I have been successful, I presume not to judge: But I have at least been amused with the attempt - I shall not complain of any decision made by the proper tribunal.

Very truly, your old & obliged friend,
Wm Darlington

Prof. A. Gray, Cambridge.

P.S. I have heard nothing of your little Vademecum for Northern Harbors. Is it not out, yet?

Prof. A. Gray
Cambridge
Mass. —

41
West-Chester, Pa July 19. 1847.

My dear Friend, Your favor of the 8th I found on my return from an excursion, with my daughter, to Schooley's Mountain, New Jersey - & by way of Bethlehem, Pa home - where I arrived on the evening of the 13th; having been absent nine days.

I happen to comply with your request (as well as I can) to have a specimen of my Euphorbia nemoralis. You spoke of having it out in a newspaper; but as it would probably be crushed in that way, - and as I wish to send a small parcel to Mr. Emerson - (in return for his excellent work on the Trees & Shrubs of Massachusetts,) I have concluded to forward to you, in this mode, a specimen or two of the best I have on hand. I hope it may reach you in safety; and I must beg the favor of you to put Mr. Emerson's parcel in the way of reaching him.

I am waiting impatiently to see your Manual of the Flora of the Northern States;

but, still, there is no propriety in your
working yourself to death, to get all your
undertakings through by a given time.
American Botany will need your services
for many years, yet; and you must
make the preservation of your life and
health a primary object. I have entirely
given over the expectation of living to see
the N. A. Flora, & De Candolle's Prodrôme,
finished; and therefore I can now advise
you, very disinterestedly, to take your time,
at your task, - as De Candolle seems to be
doing, with his. I have no doubt it will
be better so, - for those who come after
you; but, at our time, I was very fidgety
and uneasy about it - as I wanted to
have the benefit of those works, myself.

I congratulate you, sincerely, on your
prospect of conjugal happiness; and would
advise you not to postpone, unnecessarily, the
consummation of your purpose. Life is
too short to warrant a needless abridgement
of its pleasures: and let me say to you,
in advance, - in order that you may profit
by the remark, - that however conscious
mortals may be of their bliss, whilst

in the enjoyment of conjugal felicity, it
is scarcely possible to appreciate it duly, during
its continuance. It is only when lost,
that its value is thoroughly comprehended,
and the magnitude of the privation understood.
I trust it may be long - very long - before
you will be able to understand this truth
as intimately as he who now tells it; but
I wish you to take my word for it suffi-
-ciently to induce you to make the
most of your happiness whilst
you can speak of it in the
present tense. Hoping I may
be indulged with the privilege
of one day seeing Her who is
to be your better half (and I am sure
her excellence, in that case, will be extra-
ordinary), I remain, Dear Sir, very truly
and sincerely, your friend,

Wm Darlington

Prof. A. Gray, }
Cambridge. }

Prof. A. Gray
Cambridge
Mass.



Wext. Chester, Penn. Novem. 8. 1847.

42

My dear Friend, Your brief note of the 3rd inst. was received two or three days ago. I feel quite vexed that your notice of my little Farmers's Flora has been excluded from Tillman's Journal; for I would much rather see it criticised by you - & all its defects fully exposed, by a friendly master-hand, - than read the most elaborate eulogy from any one who did not thoroughly understand the subject. I have not seen the article to which the proper place of yours has been given; and of course do not know what it is like; but I am sure I shall regret the preference which has been given to it. If your remarks are not lost, I should be very glad to have the benefit of them, in some way: and if there is no other appropriate channel for the publication of them, I should be happy to receive the manuscript, for my own private instruction.

I have been looking, and waiting, most impatiently, for the announcement of your Manual. I suppose, now, we need not look for it much before next spring. Since it has been so long delayed, I hope you will take your time to make it as comprehensive & complete as possible. Let us have the Cryptogamy made as plain, & as easy to investigate, as it can be rendered in a synopsis. It will be a great treat, to have our Mosses, Lichens and Fungi, described so that our young Botanists will be able to determine them.

Some time ago, you informed me that you had
it in contemplation to collect materials for Bi-
ographical Notices of the Pioneers of our Science
in this Country, - namely, the Bartramp, Marshall,
Peck, Colden, Elliott, Muhlenberg, &c. &c. - I was
delighted to hear it, and hope you are making
progress in the work, whenever opportunity offers;
for I have the organ of veneration so largely developed,
that I almost idolize the memory of those old worthy
who led the way in those delightful, tho' unappreciated,
researches. I have the pleasure, now, to tell you,
that after years of solicitation, & repeated appli-
cation, to the Marshall family, for a sight of
the Letters received by the old gentleman, during
his Horticultural & Botanical career, - I have at last
been gratified; and find them highly interesting.
I have secured copies of all that I have seen,
and am endeavoring to obtain all the facts, dates,
and circumstances, illustrative of the life and labors
of our venerable Countryman, which can be recovered
at this late day. I feel some ambition - some local
pride, as a Chester County man - to make known the merits
& services of a man, who was not duly appreciated
in his day, by those around him; though his Letters show
that his worth was understood, abroad. The materials
which I already have, will probably make a volume
of more than 100 duodecimo pages, - and I feel tempted
to have a small edition printed, if I find I can
afford it. However, when I have accomplished all
I can, in procuring Letters, facts, & reminiscences, - I will
submit the whole to the decision of your better judgment:

and if should be taken hence, before I get through,
I hereby assign the whole to you, to be used, or
disposed of, as you shall deem proper, - authorizing
and requesting you to claim the documents, - &
enjoining my representatives to deliver them, on de-
mand, to you, or your order.

To show you what sort of Correspondents
Humphrey Marshall had, I will merely say
that among them were Dr. Fothergill,
Dr. Lettson, Dr. Franklin, Dr. Bond, Dr. Wistar,
Dr. Parke, Col. Timothy Pickering, Sir Jos. Banks,
Lord Suffolk, Baron Humpitz of Berlin, &c. &c.
and the style and language of their
Letters demonstrate that he was
regarded as one of the scientific
worthies of our country, at that day.
I only regret that his Letters cannot be
had, to exhibit his side of the Correspondence:
for, although he was a plain, uneducated Chester
County Farmer, - I have seen enough to sa-
tisfy me that his talents and attainments
were of a superior order. He was, unquestionably,
far in advance of the Community in which
he was born, and passed the whole of his days.
How his taste and predilections were elicited,
under the circumstances, is a mystery to me.
In haste, Dear Sir,
Your obliged & sincere friend,
Prof. A. Gray, }
Cambridge, Mass. } Wm. Darlington

"Muckelberry" of New Jersey, I found very few names to all my Jersey
 friends by the name of "Muckelberry" and that it had a very
 subordinate rank in their opinion, compare with the Resurrection
 ceremony. I am glad I was enabled to correct my error in
 the paper. History went to help.
 What has been of the General American? What is it
 still in progress? Or have you been made on hand, to attend
 to that? You must be careful not to overwork yourself.

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Prof. A. Gray
 Cambridge
 near Boston
 Mass.

P.S. I had a very satisfactory opportunity, this last season,
 to examine the structure, and ascertain the distinction be-
 tween; the parts of the Resurrection and the Gay-Sufferer;
 having passed a very pleasant day, early in August, with
 a party of girls in a Muckelberry house in New Jersey.
 I found every part of you have been described in the
 publication you sent me, I got written. The Gay-Sufferer from
 Mass, which I had formerly supposed to be the female "Blue

West-Chester, Penna. Feb. 7. 1848.

43

My dear Sir, Your kind favor of the 23rd ult. came by due course of Mail. I had received the Newspaper, containing the notice referred to, and supposed it must be a member of your family that was deceas'd. It is, indeed, a consolation - even in the midst of our anguish - to see our dearest connections depart this life with resignation and composure, and under the benign influence of the Christian's Hope. The recollection of that placid readiness, and even willingness, to escape from bodily infirmities and suffering, is the only thing which has tended to reconcile me to the sad bereavement experienced within the past year. Yet, withal, I feel too surely, that the little remnant of my days must be deeply tinged with melancholy. I had known what it was to lose Parents, Sisters, and Children - including a gallant Son, who was the pride of the family; But, believe me, my dear Friends, - trying as were these privations, - they are not to be compared with the loss of the Bosom Companion, who has been the Counsellor and Stay - the Light and Life of the domicile - for almost forty years. This you will find to be a solemn truth, should it ever be your misfortune to test its verity: though I sincerely hope it may be a much longer period, ere you can know it by experience. I congratulate you on your approaching nuptials, and would admonish you to avoid unnecessary delays; for life is too short to admit of needless procrastination. No doubt you will be disposed to indulge the Lady in a Bridal Excursion, - and I would suggest that our Village should be made a point, in the tour. I should be exceedingly gratified by an opportunity to welcome you both to my humble Cottage; and I beg you not to overlook my claims, when you come to plan the journey. You speak of the Lady as being so kind as to be your future amanuensis, or aid in your Correspondence: If she should prove so

conspicuous as to assist you in that way, I shall indeed be proud of the privilege of thus hearing from you; and I think it will present an additional reason why you should come this way, and let her see what sort of a correspondent she is to take charge of. At all events, you will please to make my most respectful obeisance to your chosen one, and tell her, that if any of your old correspondents are to be honoured by a transfer to her department, I shall certainly expect to be of the number.

I shall be greatly obliged by the copy of your Manual, so kindly promised; and shall await its arrival with a becoming degree of impatience. I shall also be much indebted to Mr. Emerson, for the copy, with plates, of his excellent work on the Trees & Shrubs of Massachusetts, - which I shall take care to acknowledge as soon as received. Your Manual will, of course, be the vade mecum of all the Herborizers of the Middle & Northern States; and I shall have a poorer opinion of my Countrymen, than I have yet permitted myself to entertain, if the demand do not in some degree remunerate you for your labor in preparing it. As to your illustrated Geneva, I apprehend you will have to look to an European demand, for an adequate requital: though I doubt not - so far as reputation is concerned - your reward will be sure.

I wish you could get along, also, with the N. A. Flora. A feeling of despondency comes over me, when I reflect on the probability that I cannot be permitted to see it entire. I have the same feeling in reference to Candolle's Prodrromus. Is there no word, yet, of the 11th part?

With respect to the notice of my "Agricultural Botany", which you kindly offer to send to Mr. Downing's Magazine, I may observe, that Mr. D. did notice the work in very flattering general terms, in the September number; and that is, perhaps, as much as he would wish to do, in a

Journal devoted more especially to Horticulture. It was also noticed, in laudatory general terms, in the "Farmers' Library" - edited by my old friend, Jno. S. Skinner, at New York: yet, probably, if you ^{had} a more particular notice of the nature & design of the work, & its applicability to the service of an intelligent Yeomanry, already prepared, I think Mr. Skinner would be very willing to insert it in the "Library." I should be sorry to tax your good nature, to write such a notice, under the pressure of your other engagements; but if the one you sent to Silliman can be recovered, it would probably answer every purpose.

You will decide for yourself, between Downing & Skinner, if you should incline to honor the book with a notice in either of their periodicals. As I made a present of the manuscript to my Son (who is a printer), on condition that he would take the risk of publication, - of course I have no pecuniary interest in the success of the work; yet I could not fail to be gratified to see it well received by those for whom it was prepared, - and, especially, to see it commended by a competent judge. I therefore commit the whole matter to your discretion & convenience.

I have been occupied all winter (when other & more indispensable concerns permitted) in looking over, & compiling extracts from, the Letters received by Humphrey Marshall, between the years 1759 and 1800. The family have caused me much extra trouble, by bringing me the Letters in three instalments - instead of giving them all at once. I believe I now have them all; and they are quite numerous. I have made rather copious selections, in order to be ^{on} the safe side; knowing that we can mark out

out such as shall be deemed unworthy of publication. I distrust my own judgment, in the selection; for I have a sort of passion for old correspondence; and, I apprehend, feel more interest in such letters than the public, generally. I always feel, or think I feel, better acquainted with a man's character from reading his letters, than from any other writings: and I form an opinion of his tastes & habits, even from the letters he received from his correspondents, - as in this case. However, when I get them ready, they shall be submitted to your judgment & decision. -

In the midst of this pleasant employment, of rummaging among the many Epistles received by good old Humphrey (and whose character, by the way, has been much enhanced, in my estimation, by the group,) - I was interrupted by the mortifying disaster of the Robbery - of which you have heard. You have not yet caught the Robbers - nor have we recovered the notes: but we have made such progress in substituting a new issue for the old, that we hope to circumvent the rogues, - & defeat their purpose, of profiting by the use of the notes. My own loss is nothing more than as a Stockholder; & that, we trust, will ultimately be trifling. The new issue, however, has given me a heavy job of signing my name; having to sign about 25000 notes - which will take me all this month, to finish.

I believe I have now said all that I had to say, on this occasion; except to repeat the assurance of my
Prof. A. Gray, } sincere respect & esteem. Wm. Darlington
Cambridge, Mass.)

44
West-Chester, Penn^a. Sept. 18. 1848.

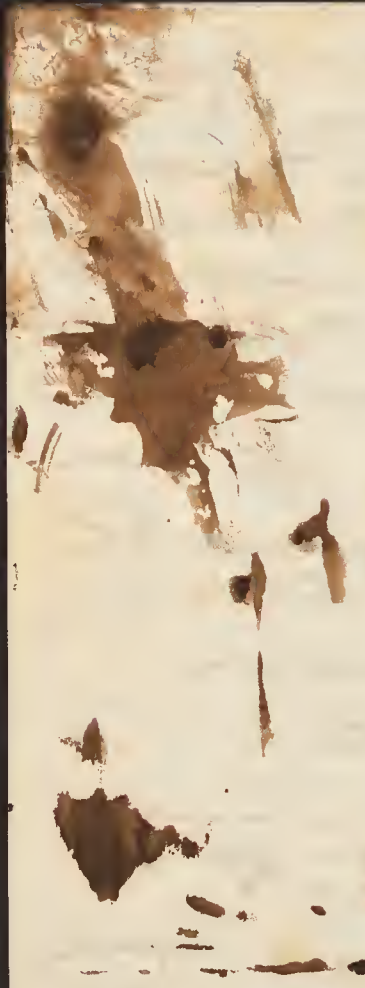
My dear Sir, my friend David Townsend, whom you recollect as the original of the Townsendia, - sets out today for Boston, as a Delegate to the triennial Horticultural Festival, at that City; and I thought the opportunity, to communicate with you, was too good to be neglected - although I have really nothing of any importance either to say or to send. Mr. Townsend will, of course, call upon you, at Cambridge, & take a look at the autumnal curiosities in your Garden. You were so polite, once, as to express a wish to have 3 or 4 copies of a Lithograph which I had made from a portrait, which I then sent you. Last year, I had another made, from a Daguerrotype likeness, which is generally considered much better than the former; and therefore I indulge my vanity (or whatever it may be called), by embracing this occasion to send you 3 or 4 copies of the last one. I sent one to Sir W. J. Hooker, and Dr. Woott, by Mr. Nuttall. I mention this, because I think you talked of sending the preceding one to them. You will, I trust, comprehend and excuse all this display of egotism.

I regret that I have not got the Bartram
& Marshall papers quite ready to send
to you, by so good an opportunity. I
have the letters all transcribed (i.e. such
as I deemed of sufficient interest), but
I wish to add a few notes, and such
brief biographical notices of the principal
writers (of the letters) as I think will be
interesting. The Manuscript is quite vo-
luminous, as I have transcribed it; &
I should think, if it were all printed,
would make an octavo volume of
four or five hundred pages: but, although
those old papers interest me very much,
I am apprehensive there will be but
few to sympathize with my monomania,
on such subjects. I am anxious to have
your opinion on the Correspondence, if
you can take time to look over it; and it
is most likely you can reduce the volume,
by marking such portions as ought
to be omitted. While I was about it,
I thought I would err on the safe
side, & copy every thing which interested
me. It was a laborious task, to decypher
many of the old letters; and especially

the rough copies which John Bartram kept, of
his own letters. I doubt whether any body else
would have been enthusiast enough to persevere
through such a chaos of old, stained, decayed
and nearly illegible papers. As soon as I
get them ready, I propose to have the sheets
stitched into a volume, by a Book binder,
and then send them to you. If you
should judge them, or any considerable
portion of them, worthy of publication,
I will then see what can be done.
It occurs to me, that as Bartram and
Marshall were both Pennsylvanians, &
Contemporaries - & their pursuits so
similar - their Correspondence & Biography
might as well be comprized in the
same volume. I shall so arrange
the Manuscript, - & you can then judge.

I have scribbled this in a great hurry,
& you will excuse its incoherence.
Present my best respects to Mrs. G. [By the
way, I learn she is a daughter of my old friend
Dr. Forrey. You never told me; & I often wondered
who she was. How happened you to be so negli-
gent, on that score?]. I shall be much
obliged for all the Botanical News, since
your last. I get none through any other channel.
Prof. A. Gray. } Yours truly, Wm. Darlington
Cambridge }

[The text on this page is extremely faint and illegible due to significant fading and bleed-through from the reverse side. It appears to be a handwritten letter or document.]



45
West-Chester, Penna. Decem. 6. 1848.

My dear Friend, Your favor of Sept. 25. reached me on the 5th October; but I have been so much occupied, in attending to the trial of Robbers, and other annoyances, that I have had neither time nor spirits to write to you, in the vein that I prefer when communing with you. I have now, however, got my Thieves convicted; and a portion of the stolen notes recovered (nearly one third of the amount taken); and feel in rather better condition for an old-fashioned correspondence.

First, I want to explain how I came to make such a ridiculous mistake, about Mrs. G. being the daughter of our friend Dr. Torrey. I had the statement from Mr. Durand, of Philad^a. who mentioned it more than once, shortly after the wedding; and I took it for granted that he knew, or was correctly informed.

Your memory is a little at fault, in supposing that you ever mentioned the Lady's name, in your letters to me. You did once come so near it, as to call her "the Lady Jane"; but the family name I never heard, until the receipt of your last. As the whole matter is now understood, I shall say no more, at present; but wait patiently for a personal acquaintance. If you will not bring her to see me - I must try & come to see you.

I have, at last, got through with my laborious yet agreeable task, of arranging and transcribing the Marshall and Bartram Correspondence. It is quite voluminous - being written in a plain open hand; & makes about 800 pages of ruled Cap paper. Finding it so bulky, I have had it bound in two parts, or Volumes, for convenience; and the whole is now in the hands of my friend, Daniel B. Smith, of Philad^a (whom you may recollect to have seen at Cambridge, a few years since). I have a high opinion of his taste and judgment, & thought I would like him to look over the manuscript; which he - being fond of such antiquities - very cheerfully undertook to do. - I am very desirous that you should inspect what I have done; and yet I am afraid that, with your other numerous and pressing engagements, you will think it too great an imposition, on my part, to ask it.

If you think you could find time to run over the volumes, without detriment to your other pursuits - and without feeling it and me to be too much of a boon, - I will forward them, by Express, when I again get possession of them. I know not whether any - or what portion - of the Mass, may be worthy of pub-

lication; and I want the opinion of two or three judicious friends, on that head. I have such a passion for old correspondence, of that description, that I am afraid to trust my own judgment. In transcribing the Letters, I determined to err on the safe side: - i.e. preserve every thing which interested myself; and let my friends mark out such portions as they may think could interest nobody else. The manuscripts were a perfect chaos; and were so stained, and faded, and tender, & mutilated, - that I doubt whether any one, not laboring under a similar monomania, would have had patience to decypher & arrange them. However, with 8 or 10 months perseverance, I have got through: and if you feel courageous enough to attack such a formidable work, you shall shortly have a chance. - It was surprising to me, how nearly all the historical facts & dates, of the Bartram family, had escaped into oblivion. If the matter had not been soon looked into, they would have been irrecoverably lost. Even the Correspondence, at Mrs Carr's death, would probably have been scattered and destroyed. Not one of John Bartram's dependants (so far as I could find) could tell when he died - when he was born - nor whose son he was!! This

father's name, and the date of his birth, I luckily obtained from the old records of the Quaker Meeting of which he was a member. The exact date of his death, has not yet been ascertained.

But the discovery which interested me most, and which I did not make, until I had nearly got through with my inquiries, - was the remarkable fact, that John Bartram and Humphrey Marshall were first Cousins - Sisters' Children! This fact, also, was derived from the ancient Quaker records. The Cousins may have inherited their Botanical taste from their mothers; and I think it quite probable, that Humphrey Marshall - who was 23 years younger than his Cousin Bartram - caught the infection of Gardening, & Botany, by his intercourse with his senior relative.

This relationship between the two venerable old Pioneers, seems to render the junction of their Memorials in one volume, quite appropriate: although when I resolved to put them together, I had no suspicion of the fact. Excuse this long, hasty scrawl: and, if your engagements permit, pay me in kind.

With my best respects to Mrs G. I remain,
Prof. A. Gray, } my dear friend, truly yours,
Cambridge, Mass. } Wm. Darlington

P. S. I have revised the 12th part of
De Candolle's Prodromus. Cannot you
now go on, & complete the second
Volume of N. A. Flora? I still hear
a few inquiries about the Flora; but I
can give no satisfactory answer.
Are you working at the Genera &
illustrata?

Dr. Brownfield has sent to our
Cabinet, upwards of half a hundred
beautiful specimens of British Birds;
such as Nightingales, Cuckoos, Waxwings,
Robin Redbreasts, Sparrows, Robins, &c. &
that we are familiar with, in English
Books; but which I never saw, before.
The Doctor has manifested quite a
partiality for our Village, - & has
really been very liberal & obliging
in his remittances of Specimens,
&c. -

West-Chester, Penna. Mar. 8. 1849. 46

My dear Sir, I received the other day, by mail,
your valuable account of the Plantae Fend.
Virginiensis; for which, & preceding favours, I
am so deeply indebted that I have no hope
of ever being able to balance accounts with you.
To you must ever be content to leave me a hope-
less - but not, I trust, an ungrateful debtor.
I wrote to you, some considerable time
since, intimating an intention to send
you the MS. ~~of the~~ Bartram & Marshall
papers (when ready) to look over: but when
they came to be stitched together, they
made two such ponderous volumes,
that I could not find in my heart -
knowing your multifarious & pressing
engagements - to bore you with such
a frightful task. I therefore got two or three
judicious friends, in Philad^a (one of whom
was D. B. Smith, whom you have met, at
Cambridge), to look over the volumes;
& they have given their imprimatur, -
provided any publisher is willing to un-
dertake it. A house in Philad^a has ex-
pressed a willingness - if they can get
Subscribers enough to cover actual costs;
and a Prospectus has just been issued, - of
which I send you a couple of copies.
If you think there ^{are} any persons, in your
quarter, who would like to have the
volume, I should be pleased to give
them a chance; and if it would
not

not give you too much trouble, I should be glad if you would keep one Prospectus by you, to be ready in case any of your acquaintances should choose to subscribe; and put the other Prospectus into the hands of such person in Boston as may probably feel an interest in such a publication.

I wish you to bear in mind, that I would not solicit any one to subscribe; but only afford a chance, if desired.

I have no sort of interest, myself, in the publication - except a mere wish to have a printed copy: and if there are not yet persons enough among us, ~~to~~ desirous of possessing it, to warrant the printing, - why it must be postponed - that is all.

I agreed to distribute a few Proposals, for the Publishers - and also to revise the Proof sheets, if the work went to Press: for which I shall claim a few Presentation Copies, to supply particular friends.

Now, if any Subscribers offer, please to receive them, for the Publishers: but I do not wish you to subscribe. If the book is printed, I want to have the privilege of sending you one of my copies - as an evidence that I am not unmindful of your favors. For that reason, I confess, I shall be glad if the publication can go on.

As an Introductory article, to the work, I have attempted a hasty & brief Sketch of the Progress of Botany in this Country; merely noticing, in chronological order, the various American Floras, Catalogues, & other Botanical works, published here; or treating expressly of American Plants; and also the Gardens, &c. established to promote that kind of knowledge.

There are two or three dates, which I should be obliged if you would help me to: viz. The year in which Manasseh Cutler published an Account of Massachusetts Plants, in the Memoirs of the American Academy.

Also, the year in which the Botanic Garden, at Cambridge, was established.

If you will send me those two dates, at your earliest convenience, you will confer a favor, which I know not how else to obtain.

I think there was something else, I wished to say to you; but I cannot now recollect what it was. If you will indulge me with an early answer to the above inquiries, - it is not unlikely I shall have something else to trouble you with, ere long.

With the best respects, to ours &c.

Truly yours,

Prof. A. Gray,
Cambridge.

Wm. Darlington

West-Chester, Penn^a. March 13. 1849

My dear Sir, I received your kind favor of the 8th yesterday; and congratulate myself as well as you, on your acquisition of such an accomplished Amamusis. I must be permitted to say, that it is vastly more pleasant to read Mrs. G's beautiful Chirography, than to decypher some of your own hasty Hieroglyphics; though I am always happy to have a chance to do that. Please make my grateful acknowledgments to Mrs G. for the honor she has done me, in thus responding in your name. I shall hope to be often remembered in that way, during the little remnant of my days.

I wrote to you the other day; but my letter, unfortunately, must have been a day too late. In that, I gave my reasons for not troubling you with my voluminous manuscripts: But as you now intimate that you may, possibly, be able to glance at them, shortly - I propose to take them to Philad^a this week, & forward them by the Express. If you have patience, as well as the time, I wish you to keep them as long as you feel inclined to look at them: and make such marginal (or left page) notes, in pencil, as occur to you during the reading. I have

one, here, to consult with - I have to be
aided by my own judgment; - which is
not always safe to be trusted, when a
compiler becomes enthusiastic, or led away
by any sort of one-sided partiality for
his subject.

I wish to say, by way of explanation
of the interpolations of the sheets, that the
manuscripts were handed to me by in-
statements; & I had to derange my pre-
vious labor, to get the latter instalments
into their proper position.

I wish you also to bear in mind, that
I prepared the Marshall papers before I
rec^d. the others; & they not being voluminous,
I transcribed several articles - such as
Lists of Plants - & even some Letters - (for the
purpose of making a book of some tolerable
size) which I now propose to expunge
before it goes to Press. I shall leave that,
however, to the last - & be governed by my
feelings, at the time. But I hope you
will aid my judgment & taste, by your
pencil notes: and especially to correct
all errors of fact which you may deper-
if they are not too numerous to mention,
as they say in Auction advertisements.

You will see that I have put in the parcel
a few specimens of Cardamine rotundifolia.
They were rather old, when I got them; but
they will serve to show the form of the Plant,
after flowering. They will also, I presume, serve
as witnesses - either for, or against, the opinion
I have been trying to sustain, for the last 30 years.

Whenever you get tired of looking at the
two volumes, ^{now} sent, - please tie them up
so that they may come safely to the care
of Carey & Hart, Philad^a. If there should
be subscriptions enough, in time, I presume
Lindsay & Blakiston would like to put the
work to Press, this spring. But of course
they will wait for enough to cover the cost,
before they undertake it.

I shall await your judgment on the
papers, with much curiosity; & some little
fidgeting, so far as my own notes are concern-
ed. But I am quite prepared to submit
to your criticisms; and shall be disposed
to expunge whatever portions of the work
you shall say had better be omitted.

In that suitable frame of mind,

I remain, Dear Sir,

Your obliged Friend,
Wm Darlington

Prof. A. Gray,
Cambridge.

P.S. I fear I cannot have the pleasure of accepting
your desire's kind invitation, to visit you, this season.

48
West- Chester, Penn^a - April 21. 1849.

My dear Sir, Some four or five weeks ago, I forwarded, by Livingstons Express, the two MS. volumes of the Bartram & Marshall Correspondence, - which you intimated you would like to look at - notwithstanding their bulk. Altho' I have heard nothing since, I trust they reached you in safety. I was very glad you were willing to look over the volumes, - as I was anxious to have your imprimatur, before they were committed to the press. I hope you will feel free to grant it, - as the publishers have met with such encouragement, in Philad^a, that they are desirous, now, to commence the work. If you have seen as much of it, as you wish, I shall be glad to have it back, before long; that I may run over it again, & profit by your remarks, as much as possible.

There are two Gentlemen of this Village (Dr. Thomas, and Dr. Rivinus), who propose to attend the National Medical Convention, at Boston, on the first of May. If they (or either of them) should go, I will get them to call & see you; & if you can have the MS. ready by that time, one of them will put the parcel in his trunk, & bring it home with him. If any thing should prevent the fulfilment of this plan, you can send by Express, to Phil^a, when ready, - as I formerly mentioned.

There seems to be a good deal of interest mani-
-fested, in Philad^a, in relation to the work; and
the Publishers are ambitious to get it out in
good style. I hope it may be thought
worthy of the interest thus shown in advance,
by the elite of the City. I am too fond
of such old papers, to have full confidence
in my own judgment: But if you approve,
I shall hand the M.S. over to the printer, with-
-out any misgivings.

It is proposed to have it luxuriously printed,
so as to give time for a careful revision
of the Proofs, & prevent typographical errors,
as much as possible. The Publishers propose
to have it ready for the Subscribers, about
^{the time} they are returning from the watering places,
in autumn; as many of them are of that de-
-scription of people.

I would thank you to drop me a line on receipt
of this, that I may know all is safe: (for, if
the M.S. is lost, there is an end of the project). - If
you do not send the package by one of my Townsman,
as abovementioned, - please send me ^{by mail,} a note, to
let me know when it is forwarded by the
Express, - that I may attend to it, promptly,
on its arrival in Philadelphia. -

I put into the package, between the
volumes, a few specimens of my Cardamine
rotundifolia, - which I hope reached you in
safety. They were rather old; but still, they
will serve to show what our plant is.

Remember me most respectfully to Mrs Gray;
& believe me, as ever, your obliged friend,
Wm. Darlington.

Prof. A. Gray, }
Cambridge. }

P.S. I rec^d. a Letter, & some Pamphlets,
from our friend Dr. Brownfield, this week.
He is, one of the best specimens of
a Naturalist, himself, that I have
ever met with. He has been exceedingly
generous to our little Society, here.

West-Chester, Penn: April 27. 1849.

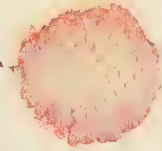
My dear Sir, I wrote to you, last week, that my friends, Drs. Thomas & Thwinus, would probably be in Boston on the first of May; and that one of them would bring the Bartram & Marshall M.S. when they returned. This they kindly agreed to do: But, upon reflection, it occurs to me that there is more safety & certainty in the conveyance by Express, than there can be in any private trunk, or Baggage; and as the safety of the M.S. is of some importance (for I should certainly never transcribe them again), I have concluded to ask the favor of you to return them to Philad^a by one of the Express lines - and direct them to be left at Carey & Hart's Bookstore - corner of 4th & Chestnut Streets. If you will drop me a line, by mail, when you despatch the volumes, to apprise me of the fact, I shall be much obliged. The Publishers are now disposed to commence the printing, forthwith; and I am desirous first to look over the M.S. & profit, what I can, by your remarks.

I inclose two or three copies of a Report on the progress of our Cabinet, for the last few years - to show you that we are gradually adding to our collections.

With my respects to Mrs. G. I am Dear Sir,
 your obliged friend,
 Wm. Darlington
 Prof. A. Gray, }
 Cambridge. }

Prof. A. Gray
Cambridge

Dr. Quincy Mass.



West-Chester, Penn: April 27. 1849.

My dear Sir, This will be handed to you by my friend, Dr. E. F. Mivins, - a worthy dependant of the Botanical Patriarch, whose name he bears.

Dr. Mivins goes to Boston, as a Delegate, from our County Society, to the National Medical Convention; and he is desirous to avail himself of the opportunity to visit Cambridge, and make your acquaintance.

This Community is greatly indebted to the Doctor, for introducing a taste for scientific Horticulture; and as the Vegetable Kingdom, in this Hemisphere, is emphatically your Kingdom, - I am sure you will be pleased to see an Auxiliary, who has done so much for the Cause of good Government, therein; and has taught, by his example, the importance of Conservative measures in advancing the prosperity of the realm.

Commending him, therefore, to those kind attentions which I know he will receive, - if he is so fortunate as to meet you, - I am, Dear Sir, most respectfully yours,
Prof. A. Gray, }
Cambridge. } Wm Darlington

Ms. A.

Dr. E. F. Mivins

Cambridge

Prof. A. Gray

51
Wheat-Chapter, Penn. May 8. 1849.

My dear Sir, The package of Bartram & Marshall Papers reached me, safely, on Saturday last. I am much obliged by your notes, & suggestions, and have generally conformed to them, as far as I felt confident I understood your meaning. Lapses, & mistakes, must be overlooked by the reader, as the publishers are now anxious to go to Press. I have availed myself of the two Letters of J. Bartram; & now return them herewith. I shall be glad to hear of their safe arrival.

I am very much pleased with Miss Batchelder's suggestion, - and beg you to present to her my grateful acknowledgments for the same. I shall endeavor to have it adopted; and also, a similar cut of Humphrey Marshall's residence, for the title page to his Correspondence. These vignettes will be the more interesting, as each of the old worthies built his house with his own hands!

I regret, amid your pressing engagements, to make a moment's incursion upon your time, or attention: But

Wm. G. Cambridge & Co. Printers.

I must ask the favor of two or three
little items of information, for the
notes on the Progress of Botany in N. A.

You mention 2 quarto Vols. of Specimens
(of rogers?) by Mr. Sullivan. These I never
saw, & know nothing of. Will you do
me the favor to give the date of the
work - & its character in a few words?

You also speak of Wood's Botany.
That I have not seen. What is its
size, character, & date of publication?

He lately sent me a little work
intitlled First Lessons in Botany. That
has been issued since my notes were
compiled.

In which volume, of the Annals
of N. Y. Lyceum, was Crozier's Monograph
of Sarracenia published? I think I
have seen it, - but cannot find it a-
mong my books.

I am sorry to trouble you; but a few
words, relative to the above points,
will do me a favor - which I know
not where else to obtain, so readily.

When I reflect on my isolated position,
I only wonder I got as many of the
works on our Botany, as I did.

In haste, yours truly
Prof. A. Gray. Wm. Bartram

Marshallia lanceolata, Pursh, Jc. 5. 680.
Torr. & Gray, 2. 391.

Georgia

W.D.

West-Chester, Penna. June 30. 1849.

of each dwelling. from recent
drawings, taken on the spot.

This would not have been thought
of, but for the happy suggestion
of Miss B. and I feel so much
obliged to her for it, that I would
solicit the privilege of presenting
a copy to her, - if you think
she would do me the honor to
accept it. I do not yet know
how the engravings may be exe-
cuted; but if they should be
well done, I shall ask you to
procure for me, if you can, per-
mission to make my acknowledgments
to the Lady, by the tender of a copy.

I believe I have now said all
that occurs to me, at present.

In the hope that Miss G. will soon
be able to resume her pen, I
favor me with a letter in your
name - if you are too busy, -

I remain her, & your, most
respectful & best friend & servt.

Prof. A. Gray, Cambridge. Wm Darlington

My dear Sir, Yours of the 26th reached me yest-
=terday. My engagements will not allow me
the pleasure of a visit to Cambridge, this
year - which I very much regret.

I had heard a rumor of the death of End-
=licher; and also that he was, in some way,
involved in the troubles, at Vienna; but
have not learnt the particulars. It is melan-
=choly, to have a good Botanist die so young.
I was gratified to learn that you had
charge of the Plants of the Exploring Expedition,
though I fear it will overtask you - superadd-
=ed to your other labors.

I shall have pleasure in endeavouring
to comply with your requests; but I am
doubtful of being able fully to do so.

The Prounea Americana is becoming rare,
in this vicinity; but I saw a young man
in market, this morning, who thinks he
will be able to supply me with a specimen
in fruit, - which is not ripe until August.
Prounea Chicosa (what right had Richx to
change Marshall's name, P. angustifolia?)
is still more rare; and it may not be prac-
=ticable to send you the fruit. Will a small
branch, with leaves, be of any use? If so, I
can furnish that, from Mr. Hooper's Garden.

The fruit of Acer dasycarpum was all
killed by the spring frosts, in this vicinity;
and if it had not been, would have been
all gone, ere now. It ripens long before

any of our other species. It is generally
mature from the middle of May to the first
of June; & speedily falls & disappears.
Having no other chance, I have selected
3 or 4 Gammas from our Herbarium; &
inclose them, herewith. I hope they may
come safely, and be of some service.
The largest one was picked up, in the
street, in Philad^a, May 19. 1835.

I will see what I can do, in getting
specimens of Crotaegus, when the
fruit is ripe, which is not until
September. I am not at all confi:
dent about C. flavo, & C. punctata,
of Flora Caribica. The others, I believe,
may be depended upon.

I have been apprehensive that the
commotions in Europe would interfere
with the demand, there, for your illustrated
Genere; and, here, I never calculated
on much encouragement. Nevertheless,
it is important that you should be
able to avail yourself of Mr. Sprengel's
services, while they can be had.

It would be a noble act - worthy of
Boston - if some one of her liberal
Patrons of Science would furnish the
present means to complete the work,
& wait for more auspicious times
to be remunerated for his advances.

I have acquainted Mr. Hoope with
your reasons for not replying to his
inquiries about his Lycopodium. He
has long been full of the idea that he
has something distinct from L. complai:
natum. I should be glad if it were
to prove new - & be intitled to the
name of Lycopodium Hoopesianum.
He is a very acute observer, and
zealous investigator of our plants.
It grieves me much to hear that
Mrs Gray is in feeble health. I
sincerely trust she may speedily
improve, & be restored. Be pleased
to make known to her, my good wishes.

The publishers of the Bartram
Marshall Memorials are now
at work. Upwards of 200 pages
are printed; & I am kept closely
at home, to revise the Proof sheets.
They are doing great justice to the
typography. It will be a handsome
book - if not an interesting one.
They are going to carry out Miss
Bachelier's suggestion, about the
residence of Bartram (and also of Marshall),
by having neat Engravings - a plate

West Chester, Pa Aug. 29. 1849.

My dear Sir, By the kindness of a young country gentleman, who attends our market, I am enabled this morning to send you a few samples of our Prunus Americana. I hope they may reach you in proper condition for your purpose; of which I should be gratified to be informed. These are about average specimens, under culture; larger than when they grow wild.

The figures of the fruit, in Nutt. are too deeply colored, call's continuation of richness.

Excuse brevity - I have to read 16 pages of proof sheet, beside fixing these plump, this morning, in time to go by the Car to Philad^a - which leaves at 1/2 past 7.

I hope Mrs G. is recovered - to whom my best wishes & respects.
Yours truly,
Prof. A. Gray, }
Cambridge } Wm. Darlington

Prof. A. Gray,
Cambridge

West-Chester, Pa Sept. 24. 1849.

My dear Sir, I hasten to reply to your note of the 17th inst. to say, that you need give yourself no concern about the copies of Neliz. Waldo, which were sent to you, to put in a Bookstore. I supposed there were probably two or three copies yet on hand; and hence I requested you (if such were the fact), to present one in my name to Miss Batchelder. The others I wish you to present to any friend you may meet, who may be likely to take any interest in that kind of reading. I want no account of those which may have been disposed of. All I ask, is, that you will dispose of the remaining ones, to please yourself.

My idea in offering one to Miss B. was, that it might serve "by way of Anchovy," preparatory to the heavy octavo of Baileys & Marshall's Correspondence! I have received from that Lady an elegant, kind & flattering letter, acknowledging your attention in presenting the volume.

I expect in a few days to be able to forward, to Miss B. & yourself, the Bartoam & Marshall Memorial; as the printing has been finished these two weeks; and I suppose the work is in the Printer's hands.

Notwithstanding all my pruning, the book is much larger than I expected - and larger than ^{it} should be, if I had it to do over again. But that cannot now be helped; and I must beg you to ascribe the mistake to my weakness, in admiring, to excess, all old Correspondence of eminent persons.

I am glad the Prunus Americana came to you in good condition. I am apprehensive I shall not be so successful with the desired species of Crataegus; but if I should meet with any, you shall have them.

The C. cordata is kept so trimmed, that it does not often produce fruit, in the hedge; and the others are becoming rather scarce in this immediate vicinity. Ilex cornuta, also, is getting scarce, though formerly quite frequent.

It is very possible - & I may say probable - that I have mistaken the Crataegus punctata, in my Flora; but if I can get specimens of the plant I intended, I will send you some - both of Leaves & Fruit. I expect Dr. Alexander to see me, this week; and I will look out for Crataegus, in our excursions.

Please remember me affectionately to Mrs Gray. I hope her health will continue to improve. I can hardly hope to visit Cambridge again; but I assure you, if any thing could rouse me to an extra effort, it would be to make the personal acquaintance of two such charming and interesting Lady friends, as Mrs G. and Miss Batchelder. In much haste,
my dear friend, yours sincerely,
W. Darlington

Prof. A. Gray, }
Cambridge }

Weymouth, Pa. Friday Evg.

Sept. 28. 1849.

My dear Sir, I have this day obtained some tolerable specimens of the Crab apple - leaves & fruit - which I propose to send by Express tomorrow. With them are some indifferent specimens of our Hedging Thorn, Crataegus cordata. The fruit is not quite ripe; but the leaves are beginning to change - & they fall early from the branches on which the fruit is seated. I have been unable to find any Crataegus Crus galli in this neighborhood. I have been out two or three times; & find all the old localities destroyed; and I may say the same of the species called C. punctata, in Flora Cestrica. It appears that

Weymouth
Cambridge

Edw. A. Gray

the progress of Agriculture, here,
will destroy all our old Botanic
-ing grounds, and leave us nothing
but weeds & cultivated plants,

I hesitated about sending
these specimens - as I could
not get any others: But I
finally concluded that they
might be preferable to none.

I shall be gratified if these
may answer your purpose.
I stuck some of the branches
into some of the Crab apples,
to keep them as fresh as possible.

That tree (Crab apple) is also
becoming very rare. I could
find but two trees - & only one
with fruit! When I was
young, they were quite frequent.

In haste, yours truly,
Prof. A. Gray. - The Barlington

56
Wheat. Chester, Pa. Octo. 29. 1849.

My dear Friend, Yours of the 27th reached me today. You cannot imagine how delighted I was, to recognize the beautiful chirography of dear Mrs. Gray; for I have been quite concerned about her, since I heard she was suffering under ill health. She does not tell me one word of her welfare; but I hope, from the style & appearance of her writing, that her health & strength have returned - or are returning. I trust, in future, she will not forget to let me know how she is - when she writes. I feel as if I, somehow, had a right, or a claim, at least, to be informed.

I regret exceedingly that I have not a spare copy of the "Memorial" for Prof. Harvey. When I presented the work to the Publishers, I claimed 25 copies, to distribute among my particular friends. Those have been received, and are already

all on their way, or arrived, at their destination, - except a single copy which I have set apart to send to a lineal descendant of good old Peter Collinson, if such can be found. I have written to Dr. Booth, begging him to ascertain, if he can, the name, & address, of such lineal descendant; - as I am ambitious of the privilege, & pleasure, of tendering a copy to the descendant of a man I so profoundly revere.

If I should learn, in time, that dear old Peter's family is extinct; or cannot be discovered; - I shall be most happy, through you, to ask Prof. Harvey's acceptance of the copy referred to.

Mrs. G. is polite enough to say, in ad-
vance, that she has no doubt of the interest of the work; but I am anxious to know what she will say, after she has looked over it. With my affectionate respects to both of you,

Prof. A. Gray,
Cambridge.

I remain very sincerely &c.
Wm. Darlington

P.S. I inclose, for your amusement, a little notice (rather flattering, to be sure - but you know bookmen can bear that, very well) of the Boston & Marshall Memorials. -

Wegt. Chester, Penn^a Jan^y. 23. 1850.

My dear Friend, Yours of the 15th (with the sheets from Silliman), came duly to hand, and requires a prompt and grateful acknowledgment. To say that I am deeply indebted, and greatly obliged by your kind partiality, seems a tame and inadequate expression of my feelings; so I must leave you to guess at the gratification afforded. I did, indeed, hope for a kindly reception of the "Memorials," by the few lovers of Botany who have a relish for such reminiscences; but I was not prepared for the general - & I may almost say unanimous - approbation, with which the book has been greeted. It seems to be the fashion, or fancy of the day, to take a flattering notice of it, in every sort of literary periodical: and it is fortunate for me, that I am located in a village where the work is scarcely known, and the Notices never seen; - where my blushes - like the flowers of your poetic namesake - may display their radiance without danger of detection! It is very pleasant, as another Poet says, - "through the loop-holes of retreat," to look at the commendations, even of the daily press; but I have no wish to conceal the pride with which I regard the encomiums of such journals as that of Silliman, and the North American Review.

The little note of Miss Batchelder (which you sent to me), respecting the residence of John Bartram, has led to an Epistolary acquaintance with that Lady, by which I have profitted considerably. She sent me an abstract of the Lectures of Prof. Harvey, - so remarkably complete, and intelligible, that I derived almost as much advantage from her reports, as if I had attended the Course. She sent me the Proof sheet of the Review in the North American, - in which I quickly detected the writer of the article; although it came anonymously. Stranger as I am, I have been honored with a very interesting and pleasant Correspondence; and to that source I am indebted for a piece of information which you have not confided to me, - though I presume it is no secret among those friends immediately about you: to wit, that you contemplate a voyage to Europe, in June next. As I take it for granted, Mrs. G. will accompany you, - and as I do not know how long you will be away - and as I may not be able to come and see you, when you come back, - and as I am ambitious of a personal acquaintance with Mrs. G. while the same is practicable, I have been meditating on the feasibility of a visit to Cambridge, before you take your departure. The month of May is rather earlier in the season than I should choose, for a northern excursion; but if you go early in June, I should have to try it - or forego the contemplated pleasure. The fact is, I have been smitten with a desire to make a pilgrimage to Coldenham, in New York, - ever since I have been engaged in the Bartram Correspondence; and I think, if I were once that far on my way toward Cambridge, I should be very apt to pay you one more visit, before I am gathered to my fathers.

I am gratified to learn that another Edition of the Text Book is called for; but, really, I am afraid you have such a multiplicity of labors on your hands, that you will overwork yourself. I trust, if you do go abroad, the voyage may afford you a salutary respite from some of those tasks, - and that Mrs. Gray, also, may find renovated health, by a goodly tossing on the billows. You ask me to think favorably of Mr. Porter's proposition, to edit the Correspondence of Muhlenberg & Schwinitz. I should take great pleasure in examining the Correspondence of any of our departed Botanists; but I have no reason to believe that their families contemplate any thing of the kind. I have a great veneration for the memory of Muhlenberg, - and Schwinitz was a particular friend of mine; but I doubt whether they did not live too recently (especially Schwinitz), to admit of their Correspondence being so interesting as Bartram's. Nevertheless, if their papers were put into my hands, I would gladly arrange them, & transcribe such portions as might seem worthy of preservation, & perhaps future publication. I know nothing, however, of any such project; and I certainly shall not solicit the job. I would not willingly seem to presume too far upon the good nature of the reading public. - With best wishes for the welfare of Mrs. G. & yourself, I remain most respectfully,
Your obliged friend,
Wm. Darlington

Prof. A. Gray, Cambridge.

P.S. If you are going to Europe, in June, I should like to hear a little about it.

West. Chester, Penn. April 22, 1850

But, alas! these idle visions ill accord with the realities, which surround one who professes so closely on the allotted limit of "Three score and ten". If you should make any excursions toward the central parts of England, and get into Warwickshire, - I hope you and the Doctor will try to visit Leamington, no. 7. Waterloo Place, where reside the Widow and Children of good old Peter Collinson's Grandson. If it were practicable, I would yet perform a pilgrimage to that place, on purpose to pay my respects, in person, to the Descendants of the man whose memory I so highly revere. I have sent them a copy of the Baileys Memorials, - which I hope they have received, by this time.

Our Spring, thus far, has been very little better than yours; but I would fair hope that May will compensate us for the austerities of April.

My Daughter requests me to reciprocate your kind regards; and is quite anxious to be permitted to tender them in person, if circumstances shall warrant our leaving home. With my best respects to the Doctor, and my earnest prayers for a pleasant voyage, and a safe return, to you both. I remain,

Dear Madam, most sincerely,
yours, Wm. Darlington

Mrs. Jane S. Gray,
Cambridge, Mass.

My dear Mrs. Gray,
Your very kind Letter of the 17th inst. reached me on Saturday, and I hasten to acknowledge the favor, - though I did not need to be reminded of the promised pleasure, which I have been anticipating, and contemplating, ever since I heard of your intended departure for Europe.

My great desire to pay my respects, in person, to you and the Doctor, before you leave our hemisphere, induced me to project a visit to Cambridge rather earlier than I should otherwise choose, for a northern Excursion: and it is still my intention to set out for Cambridge, about the middle of May, if no untoward occurrence should interfere, to render the journey inexpedient. A shade of doubt, however, has been thrown over the prospect, by a series of family afflictions. A few weeks ago, one of my Sons lost his Wife - leaving three little Children; the eldest not 3 years old, and the youngest only one week. That youngest Child was taken, when about a month old; and now, the youngest survivor -

a most lovely and engaging Boy - is so seriously ill, that it is very possible my plans may be interrupted. My Son's residence is in Lancaster; and his family Physician directed the Child and his Nurse to be sent here, to try the effect of a change of air. This accession to my family puts a new aspect on our affairs, at present, - and my Daughters are anxiously engaged in superintending the management of the little Patient. This, as you will readily understand, may render inexpedient the proposed journey of myself and youngest Daughter. If, happily, my grandson should recover, so that we may leave home with propriety, you may expect to see us, somewhere between the middle of May and the first of June: But, in any event, I will write again to you, or the Doctor, about the time fixed on, and let you know the result. Meanwhile, let me beg of you, not to give yourself a second thought about our advent. If we are favored to come, we shall make a flying visit, - just to make your personal acquaintance, and tender our hearty good wishes, to you & the Doctor, for a pleasant and salutiferous Voyage. We do not mean to trespass upon any private family, during our Excursion, - but just drop in upon our few friends, with all the sans ceremonie freedom of old acquaintance: "Come like shadows - so depart."

My Daughter makes this a sine qua non - a positive stipulation, in her arrangement to accompany me; and I merely mention ^{it} for your private information, - that you may understand us from the start, and not permit us, even in idea, to interfere for one moment with any of the preliminaries of your departure. With this frank Exposé, of our settled plan of procedure, I think we shall have a delightful visit of it - provided we are allowed to set out.

If I could find it in my heart, to envy Dr. Gray in any of the happy events of his life, it would be in the delightful prospect of his present mission - to perform a good Botanical Work, and have the pleasure of introducing his better half to the society of Sir William & Lady Hooker, Doctor & Mrs. Booth, and his other excellent friends abroad. The very thought of such a privilege, almost bewilders my poor old enthusiastic brain. If I were some 20 or 30 years younger, I should make a desperate effort to be appointed some kind of an Attaché to the Botanical Legation now on foot. I would go in almost any capacity, in your Suite, for the sake of a personal interview with my valued London friends, and a leisurely ramble through the glorious Kew Gardens.

59
West-Charter, Pa June 1. 1850.

My dear Friend, I propose to send a brief & hasty note, in an envelope to Miss Hutchinson, to express my agreeable surprise, & profound gratitude for the Book of Misses which I found in the Parcel you tied up for me. I had no idea it was there, until I untied the parcel; & as I had no claim to such a generous gift, I felt both surprise & gratitude. I wish I may be able some day to reciprocate. I found, on my return home, last evening, a Letter from Miss Collinson, announcing the receipt of a copy of the Boston Memorials, which I had sent to her mother in March, last.

Miss C. informs me that all the
males of the family are dead,
& therefore the name must
soon become extinct. She had
three Brothers, all in the Army;
but they are all gone - one
died of yellow fever in Jamaica,
& the other two were killed
in battle - one in India, and
the other in China. Of eleven
children, she, & two Sisters, are
all that survive.

I hope & trust Mrs G. & you
may be able to visit the dear
unfortunate Ladies, while you
are in England.

With my affectionate respects
& best wishes to Mrs Gray - to whom
I shall certainly write, if I live -
I am, in much haste,
most sincerely yours

Dr. A. Gray, }
Cambridge. } The Darlington

West-Chester, Penna, July 3. 1850.

My dear Mrs. Gray, I promised myself the pleasure of addressing a Letter to you, to meet you at Geneva; and as I trust you are now well on your way to the old world - if not already landed, - I think it is about time to despatch my missive, so that it may have the good fortune to find you on the shore of the beautiful Lake. I hope, most sincerely, it may find both you and the Doctor in perfect health, and exuberant spirits; so that you may enjoy, as you deserve, the magnificent scenery, and the interesting Society, in which you find yourselves.

The Doctor said, if I would write to you at Geneva, it would remind him to ask Mr. Alphonse De Candolle for a copy of the engraved Portrait of his excellent Father, for me. This, itself, would be a sufficient inducement for me to trouble you with a Letter. But, when I recollect that you were so good as to say, that you would honor me with an answer to as many Letters as I would send to you, during

your absence, you must not be surprised if I should be writing to you as often as I can ascertain your whereabouts. Nothing could be more gratifying to me, than to hear often of your welfare (when I say your, of course I mean both of you); and especially to learn those details and observations, illustrative of your adventures, and intercourse with interesting persons, which are so pleasant to read - and which none but Ladies know how to narrate in appropriate style. I shall be particularly desirous to receive your promised account of the Descendants of good old Peter Collinson, if you should be able (as I trust you will) to visit them, at No. 7. Waterloo Place, Leamington, in Warwickshire. On my return from Cambridge, May 31, I found a Letter from Miss Collinson, acknowledging the receipt of a copy of the Bartram Correspondence. On reflection, I believe I wrote the Doctor, to that effect. No matter. If you should be able to call upon Mrs. Collinson & her Daughters, I pray you to assure the dear Ladies, that the privilege of becoming known to them, in the way I did, was one of the most gratifying incidents of my life. I almost idolize the memory of Peter Collinson, and all that bear his name, or have any manner of

connection with him, are fondly enshrined in my heart. It grieves me to learn, that by the sad fate of the male representatives of the venerable man, the name seems destined to become extinct - so far as a living posterity are concerned; but, so long as exalted worth can be remembered, or the Collinsons shall continue to vegetate, neither the virtues, nor the name, of the Friend of John Bartram can be forgotten. I shall hope that you will obtain, and treasure up, all the little historical incidents of the family, which it may be decorous & proper to acquire, and communicate to an enthusiastic, though far distant, friend. Miss Collinson was so obliging, as to relate to me the principal events in the family, since the demise of her great Grandfather; but I shall hope from you, a perfect Daguerrian picture of the present survivors of the good man's descendants. - I shall also be greatly obliged by a similar sketch of the family of my honored & lamented friend, the late Prof. De Caudolle. Does his wife still live? Has he other children than his distinguished son, Alphonse? I know so little about them, that you could not more gratify me, than by indulging me with just such an account as you would like to receive of persons in whom you take a lively interest.

I hope, my dear Madam, you will be able to tolerate this hasty and rapid scrawl; for really, I have nothing to communicate, that can interest you. I can only convey to you my own wishes, as to what I would like to hear from you. The intelligence that will interest you, you must expect from friends in Massachusetts. I wish in my heart it was in my power to send you any tidings that would either interest or amuse you: but, from this Bastion of the western world, it is rather to be wished, than hoped for.

All that I can do, is to acquaint you with the sincere good wishes which accompany you and the Doctor, in all your peregrinations. I do most heartily invoke the blessings of Heaven upon you both; and trust that when your mission is fulfilled to satisfaction, you may be happily restored to the bosom of your Country, and the arms of your longing Friends; and although it may not be my good fortune to meet you again, you may safely reckon upon my affectionate remembrance, while I live.

Most respectfully,

Mrs Doct^r Gray,
Geneva.

Wm Darlington

61
West-Chester, Penn^a - August 17. 1850.

My dear Friend, I had the pleasure, a few days since, to receive your hasty remembrance, dated at London on the 15th ult. with a Post-script from Ghent on the evening of the 16th. It was forwarded to me by our mutual Friend, Dr. Torrey, - who accompanied it with a kind Note (the first I have received from him, for 2 years), and a package of nearly an hundred very interesting Plants, of Col. Fremont's collection. Altogether, it was a most delightful communication; and to heighten the gratification, the same mail brought me a long Letter from Mr. John Jay Smith, of Philad^a, now on a visit to London - giving me an account of his most gratifying reception at Kew Gardens, by Sir Wm. J. Hooker, to whom I gave Mr. Smith a Letter of introduction. When I reflect on the incessant labors of Sir William, and the multitudinous interruptions, by visitors, to which he must be subjected, I cannot but marvel at the kind and flattering attentions which he has ever paid to those whom I have introduced to his notice. This consideration makes me (as it ought) more & more cautious how I trouble him with such introductions; But I had great pleasure in introducing Mr. Smith, - who is a lineal dependant of James Logan, - & moreover, a Gentleman of refined & cultivated taste, who is fond of the beauties of Nature and Art, and is just the man to appreciate the honor done him by Sir William's polite, prompt & assiduous attentions.

I feel greatly indebted for your punctuality in calling upon the Descendants of good old Pater Collinson, in Leamington, as I requested. I really envied you that privilege; and am truly sorry that Mrs Gray could not accompany you, as I wished to learn all those little particulars, about the Collinson family, which only a Lady would observe, or can communicate in appropriate style. I yet hope Mrs G. may have an opportunity to call upon the Collinsons, and then to favor me with all the details which may be rightfully permitted to gratify the most respectful curiosity. I have an affectionate reverence for that family, which, if known to them, would induce them to pardon an inquisitiveness that otherwise would seem to savor greatly of impertinence. On my return home from Cambridge, I found a long and charming letter from Miss Collinson, announcing the receipt of the copy of the "Memorials" which I had sent, and also giving me a history of the family (a most melancholy history it is - her three Brothers having died in the Army - one of yellow fever in the West Indies, & the other two killed in battle: what a fate, for the Descendants of the good old Quaker!) in compliance with a request which I took the liberty to make. The Male of the family being all deceased, the name must necessarily soon be extinct; but the memory of the good old man, and of his love for Science, can never be forgotten, while Botany shall flourish, or the Collinsonia continue to vegetate.

I was very glad to learn that Mrs Gray's health had been improved by the voyage; and I trust she may be favored to have it quite re-established during her travels - "by land ~~and~~ by water," as our Litany expresses it, and to which I most cordially respond, every Sunday. I shall expect, when her eyes recover, the fulfilment of her kind promise to answer such poor missives as I may venture to address to her, while abroad. I wrote her a hasty Epistle, some weeks since, - inclosed in an envelope directed to you, at Geneva - to the care of Mr. Alph. De Candolle. I did not then know how better to dispose of it. I shall now, and hereafter, when I have any thing to send, - direct to the care of Brown, Shipley & Co. at Liverpool - as you have suggested. How continually the occurrences of this life are mixed up, so as to blend together, or impart alternately, pleasure & pain: It grieved me to hear of Lady Hooker's illness - although I never had, and never can have, the happiness of a personal acquaintance: But I have ^{so} uniformly heard her spoken of in the most exalted terms, that I cannot help feeling the deepest interest in her welfare. And the illness, which you mention, of my excellent friend Dr. Booth, gives me much concern; though I hope he has, ere this, entirely recovered. His long and

and uniform kindness, as a Botanical Correspondent, -
and especially his recent, persevering efforts in
finding the Collinson family, for me, - have placed
me under great obligations to him, - and forever
secured my affectionate and grateful attachment.

You may recollect, that one of my objects in writing
to you, at Geneva, was to remind you of a Portrait
of my revered Friend, the late Prof. De Candolle - which
you thought you could obtain, there. If there should
be any copies of a Lithograph of his distinguished Son,
Alphonse, I should be glad to have one: And also,
if you should meet with a good likeness of
Sir Wm. J. Hooker, or Dr. Boott, in your travels - either
engraving or lithograph - I should be much
obliged if you would procure me one of each.
Dr. Bromfield sent me an excellent engraving
of Robert Brown: So that if I had those things,
I should be content (with my foreign Portraits - but
I should still want yours, and Dr. Fourney's).

I believe I have no sort of cis-Atlantic news
to communicate, but what will reach you through
other channels; and this will account for the
extreme brevity and emptiness of this scrawl;
which, in truth, is not sent with any view
to communicate Intelligence, - but merely
to remind you, and Mrs Gray, of the affectionate
regard which is cherished for you both,

by your sincere Friend,
Prof. A. Gray, ^{2 foot letters} ^{Aug. 19th 52} Wm Darlington.
in Europe. ^{Dr Darlington}

Wrest. Chester, Penna., Dec. 19, 1850.

Please tell the Doctor I am greatly indebted to him for procuring a copy of the Portrait of the late Prof. De Candolle: Dr. Worthington sent me a fine one of Mr. Robert Brown; and I have just received one of Linnae, from Stockholm. If I only had Doctor Boott's, and Doctor Gray's, I should be quite made up, in that department. If it were possible, however, I should like to add Mr. Benthams. Perhaps that gentleman (if he has any by him) will send me one, for omitting to answer my note to him, some year since. Pray, say to Mr. B. when you next see him, or communicate with him, that I am very ambitious to possess his autograph. His misgivings, on the subject of writing to me, are but too well founded; and I shall be highly gratified to hear from him - if he will do me that honor; notwithstanding he felt it his duty to victimize the pretty Darlingtonia, with which I was complimented by the excellent De Candolle! With my affectionate regards to Dr. G. & to Dr. Boott (who I hope has recovered his health); - I am most respectfully your obliged friend, & obed. Servt.

Mrs. Jane L. Gray,
London.

Wm Darlington

My dear Mrs. Gray, On the 2nd of this month, I had the very great pleasure to receive your interesting Letter, dated in Herefordshire on the 11th of November. I cannot tell you how gratified and proud I was, to receive such a token of your kind remembrance, in the midst of your enjoyments, and multitudinous engagements; and although you did promise to reply to every Letter I should address to you, during your absence, I am free to confess, that this one is not only an ample return for the two I have sent, but is worth all I could send - if I wrote by every Packet Ship that sailed. The full account you have given of your movements, and the Doctor's employment, is exactly what I most wished to know; and especially was I delighted to learn both by the Dr's Letter and your own - that your health had been so signally improved by the voyage, and change of climate. I trust you will return to Cambridge as robust as any Englishwoman in the Fatherland.

I can imagine how charming it must be, among the delightful scenery, and the hearty hospitalities of your English friends: and if I were some thirty years younger, I should be mightily tempted to go with the crowd which now talks of visiting London, next spring, to attend the World's Fair. I confess, however, that I should find a greater attraction at the New Gardens, and in the company of the accomplished Director, than in the hurly-burly of the great Exhibition. The kind attentions Sir William has ever shown to my friends, who have called upon him, - and the cordial invitations he has sent to me, to visit him, - have given me the most exalted opinions of his benevolence and goodness: and I feel a sort of sadness come over my spirits, when I reflect that I might, in all human probability, leave this world without having made the personal acquaintance of so generous and amiable a friend. A few weeks since, I received through Mr. Downing, a copy of the last Edition of the British Flora, from Sir William, and a fine Lithographic Portrait of himself: for which I would beg the favour of you to make my grateful

acknowledgments, when you next see him, I would make them, direct, in a note; but I know he must be everlastingly annoyed by missives of every description; and besides, I know that you can make them so much more acceptable than I could, myself. You will find in the envelope, with this, a few seeds of the Collinsonia Canadensis. I was sending, according to promise, some of the seeds to Miss Collinson, at Leamington; and having some to spare, I concluded to forward them to you, or the Doctor, to be given to Sir W. J. Hooker's Gardener - if he has not the plant; or to any other friend who may think them worth accepting, - if they already possess it, at Kew. I gathered them myself, and hope they ^{or some of them} may grow; though they were in different stages of maturity, when gathered.

The chief interest of the plant consists in its name; and it was on that account I sent them to good old Peter's great grand-daughter.

If the plant is not now growing in England, and these seeds do not vegetate, - I could readily have the hardy roots sent ^{to} Kew, next season, if desired.

Weymouth, Penn^a. March 29. 1851. ⁶³

Dr. DeCoster
Weymouth Penn^a

My dear Friend, First congratulating you, and Mrs. Gray, and the Botanical world - as I am informed I may - upon your recovery from the effects of the frightful accident which befel you, some time since, I beg leave to introduce to you my friend Mr. John Bohlen of Philadelphia, who is about to visit Europe, and will probably call upon you, at Kew.

Mr. Bohlen is a very estimable gentleman - and has quite a penchant for our favorite Science, - having explored the Botany of the vicinity of Philadelphia with great industry. He intends to visit all the Gardens he can, during his tour through England, and on the Continent. I have given him a note to Sir Wm J. Hooker, - though I am apprehensive that that most kind and hospitable gentleman will be so overwhelmed by the threatened deluge of Humanity, in and about London, that Mr. Bohlen may not obtain such an interview as he would otherwise be favored with.

Any little civilities which it may

may be convenient for you to extend
to him, will be worthily bestowed - &
will be gratefully acknowledged by
your obliged and affectionate friend,

Prof. A. Gray, }
at New Gardens. }

Yr Darlington.

P.S. I have sent by Mr. Bohlen, a copy
of Agricultural Botany for Mr. Bentham,
with a note, - in the hope it may not be
too much trouble for you to forward
them to their destination - as a humble
token of my regard for that distinguished
gentleman, - from whom I have just
received a kind letter (thanks to the
polite attention of Mrs Gray - to whom
my best respects).

Apropos de Bottes! You may possi-
bly recollect that, in my Agricultural
Botany, I guessed the seeds called
"Goarn", in India, might be those
of the Cytisus Cajan, L, or Cajanus flavus, DC.
But you remarked to me, that you
thought the plant more likely to be
Cicer arctinum, L. I have just
seen, in Dr. J. D. Hooker's notes from
India, that another seed, called "Dhal"
(which name I recollect, in Calcutta),

is Cajana - as he writes it: which
satisfies me that I was in error, -
and you, as usual, probably correct.

No doubt you can ascertain the
fact, beyond all peradventure,
at Kew. Will you not persuade
Mrs. Gray to write me the truth
about it, at her earliest leisure?
I hate to labor under such mistakes;
and hence my wish to be set right,
by authority. Adieu Je vous commende.
W.D.

Wext. Chester, Penna., July 11. 1851.

As soon as I hear that you have returned to Cambridge, I will put up a regular parcel for Prof. Jussieu, & forward it to Dr. Gray - in the hope he can put it in the way to reach M. de Jussieu without much trouble or risk. My vanity will be so excited, that I shall put up all the autographs, & lithographs, in my possession: though I much fear I shall not be able to procure an original ^{Letter} of Dr. Muhlberg.

I despatch this hurried note, in the mean time, to let you know that I have received your esteemed Letter, - and that I am, with the greatest respect, your obliged & grateful friend,
 Wm Darlington
 Mrs. Jane L. Gray,
 Kew, near London.

P.S. As it is uncertain whereabouts you may be, when this arrives, I shall direct it to the care of Brown, Ripley & Co. Liverpool.

My dear Mrs. Gray, Yesterday I had the gratification of receiving your most agreeable favor of June 27. dated at Kew, - a place which, in my imagination, must come as near to Paradise as it is possible for any terrestrial spot to do, since our great Grandmother committed her fatal mistake. In such a place, I can readily understand why you should postpone the irksome task of answering the epistolary condities despatched to you from a Pennsylvania Village, - and I could even find an excuse for total neglect of them, in your situation. You will judge, then, how highly I must value the flattering attention you have paid to my poor Missives. I am profoundly grateful for your charming Letters; & most happy to hear the welfare of yourself and Dr. Gray.

July 11 1851
 Wm. Darlington

I presume the year that you have just passed, abroad, will ever be regarded as one of the most interesting of your life; and the events of it will constitute a rich magazine, in the store-house of memory. If I were not too old to undertake such journeys, I should be tempted to rejoice at the prospect of your speedy return, that I might make a pilgrimage to Cambridge, and listen for a week to your captivating recitals. It grieves me to think, that I must depart this life without the happiness of a prior interview with such noble Souls as Sir W. J. Hooker & Dr. Booth. Next to seeing them, would be the pleasure of hearing you tell all about them; and you must not be too much surprised if you should see an old fellow of seventy come all the way to Cambridge, some day, for that purpose. In the mean time, let me beg of you to make to those excellent friends my most affectionate remembrance.

I am much obliged by your & the Dr.'s kindness, in obtaining the information about "Gram". I learnt the same, soon after I wrote, from Dr. J. D. Hooker's notes on India;— though, in one place, he speaks of Evorum Sans, as being also called Gram. The information you give, is only another evidence of the habitual accuracy of Dr. Gray's acquirements. I shall soon learn to set down all his sayings, as established facts. I feel highly honored by the Doctor's promise to find a place for one of my homely autographs, in Prof. Jussieu's collection. I shall take pleasure, also, in furnishing one of Dr. Baldwin's Letters for that gentleman. As Dr. B.'s Letters are written on thick paper, I apprehend it would be rather bulky to send with this note: But if Dr. Gray can conveniently send a small parcel to Paris, when he gets home, I will send one of Baldwin's Letters, & a lithographic likeness of my lost friend, — with a copy of his printed correspondence.

65
West-Chester, Penn. - Sept. 27. 1851.

My dear Friend, I had the gratification to receive yours of the 17th inst. on the 20th; and am much obliged by the summary sketch it gives of your concluding movements, in Great Britain. I shall indulge the hope of learning some of the interesting details - such as Ladies only can give - from Mrs Gray, when she gets comfortably fixed again, at Cambridge. I trust she will not postpone it until she gets tired of reciting them to those other friends, who have the advantage of being on the spot, and receiving them viva voce.

I had heard of your safe arrival, before your letter came to hand; and should have congratulated you promptly thereon, - but I thought you would be so occupied with the congratulations of others, and ^{with} those multitudinous cares incident to your return, that I would ^{wait} until you got calmly settled down again, at the Botanic Garden. I was, therefore, all the more pleased with the evidence, that, amid the excitement of the Restoration, I was honored by a full and flattering share of your kind remembrance.

One of the most gratifying and important results of your voyage, and sojourn abroad, is the improved health of Mrs Gray; and I sincerely hope and trust it may stay improved, and continue improving, for half a century, at least. The same fervent wish attends yourself, - for you have a mission to fulfill, in the Botanical world, that will require the best health, and all your industry, during the period mentioned. You will, therefore, I trust - both for the sake of your Contemporaries, & their successors, - economize your health & time to the best possible advantage. You cannot imagine how sorry I am, that my age and poverty conspire so effectually to prevent me from personally enjoying the kind attentions of Sir Wm Hooker, at Kew. I know of no possible event - nor scarcely any impossible one - that could afford me so much pleasure; and were I thirty years younger, I doubt whether poverty could stop me from making the attempt. But, alas! it is too palpable - even to my eager fancy - that three score & ten, destitute of the means, had better stay about home, and try to be content with the comforts afforded by filial assiduity.

If your engagements will permit, I should like to hear a little about the Plants of the Exploring Expedition - whether the English Expedition had collected the same plants, generally - and whether they had been named before you got there - and how they compared - and what you agreed to do with them. Will Sir William, or the doctor, publish? & and when? Will the Smithsonian Institution publish our Collection? or what is proposed to be done with it? I am all in the dark, respecting the whole matter; & if it be in order, I should be gratified to have a little light on the subject. I heard, some time since, that the Smithsonian had a Contribution in the Press, in which the Darlingtonia rediviva was described. Has it yet appeared? or is it known when it will appear? In what state is the work on the Forest Trees? Do you expect to go on with it immediately? or in what anno Domini may we hope to see it, or any part of it? As I have no right to expect many more years, you will excuse my inquisitiveness. Have you any idea of prosecuting the illustrated Geneva? I have been apprehensive the sales would not pay for such a magnificent work: but I think it is just such a work as the Smithsonian should take in hand, to diffuse knowledge among men.

If Mrs Gray was with you, at Yarmouth, I hope she will tell me all about the venerable Dawson Turner. I shall be very glad to hear the particulars & incidents of all such visits & interviews.

I will take an early opportunity to forward a parcel for Mr. Jupiter. I shall probably have one, by Mr. James, - as he will doubtless be visiting Cambridge sometimes; and if you ^{have} the Print of Prof. de Candolle with you, you can probably send it by him. ^{You must get acquainted with Mr. James.} I sent, by our friend Curtis, to the care of Miss Batchelder, for you, a pamphlet by Mr. Dillingham, intitled a Tribute to the memory of Peter Collinson. I presume you may have received it, ere this. Mr. Curtis is now in Philadelphia. I hope to have the pleasure of taking him to the Old Bartram Garden, next week.

I am quite pleased with the prospect of having Miss Batchelder so near as Philad^a. I think she & Mr. James will suit each other admirably; and I shall expect the pleasure of seeing them here, occasionally. I believe this hasty scrawl contains all I have to say, just now: so, with my most respectful, affectionate, & grateful regards to Mrs G. I conclude your obliged friend,

Prof. A. Gray,
Cambridge, Mass.

Y^r Darling son

West Chester, Pa Sept. 30. 1851.

My dear Sir, As I intend going to Philad^a this evening, to see our friend Curtis, I have con-
 =cluded to put up the parcel for Prof. Jussieu, - and take it with me, to send by Mr. James, if he should be going soon, again, to Cambridge. If he should not be going soon, I think I will forward it, at once, by Express. As there is no particular way for its going to Paris, you can wait for the first entirely convenient opportunity. I should like the parcel to reach him without much expense, - for it is really not worth it. I have left the parcel merely tied with bow knots, - so that the contents can be ascertained without difficulty, by Custom house, or other officers, intitled to examine it. A private conveyance, by some

North a Parcel,
 and letter,
 for Prof. Jussieu,
 + France.
 W. G. P.
 Cambridge
 Prof. J. Jussieu

some friend who may be going
to Paris, and be willing to be
troubled with such a parcel,
would probably be the safest.

The contents are -

An Autograph Letter of Dr. Baldwin.

A copy of Melissae Baldwinianae.

A lithographic Portrait of Dr. W.

— Ditto — of myself.

A copy of Agric. Botany.

& 3 or 4 pamphlets.

These are in the Parcel;
and I put a Letter outside,
to be sent with it, or through
the Post Office, as you shall
deem most expedient.

As this piece of egotistical vanity
has grown out of your (or Mrs G's) re-
quest for an autograph for Prof.
Jussieu (my ambition to receive
his) I trust you will excuse the
trouble it may give you.

Prof. A. Gray,
Cambridge.

Very truly, yours,
J. M. Darlington

West-Charter, Pa

Octo. 14. 1851.

My dear Sir, my indefatigable friend, Joshua Hoopes - whose scrutinizing eye very few remarkable things escape - has just brought me a number of varieties, at least, of shrubs, &c. collected by him; and I avail myself of an opportunity to forward them to you, for your inspection, & opinion. The box is literally a variety box. I have added the leaves of our Maples - which now make such a rich show, in our streets.

I wish you may have time to examine those things marked as unusual, or different from the common forms, - & let me know your opinion of them.

In much haste, &c.
J. A. Gray, Cambridge. The Darlington
P.S. I have just recd. Dr. Candolle's Portrait, for which I am much obliged.

West-Chester, Penn^a, Jan^y. 7. 1852.

My dear Friend, I have delayed to tender to you the good wishes of the Season, from an unwillingness to interrupt your multifarious pursuits, even for such a benevolent purpose; but I have, now, two or three inquiries to make, which I hope Dear Mrs. Gray will reply to, for you, - if you will enable her so to do. But first, I must thank you for the Botanical notices from Silliman, - which I received a day or two since, & which furnished some information that I have long been wanting.

In October, last, I received a Letter from Dr. Torrey, dated New York, - in which he stated that he had recently removed to that City; & he mentioned that he would be glad to have a copy of the Bartram Memorials, which I offered to send him. Soon afterwards, I sent a copy by a gentleman who was going to New York; but I could only direct it to Prof. John Torrey, New York, because I did not know either the Street, or number, where he resided. The gentleman told me he left the parcel with the Clerk at the "Mansion House", in Chambers Street, near Broadway, - to be retained until called for. I have written two or three times to Dr. Torrey, informing him of the circumstance, & requesting to know if he had got the parcel; but have received no answer, - which I can only explain by supposing my Letters have not reached him.

Now, what I wish of you, is, to let Mrs Gray inform me of the exact residence (number, & street) of Doctor Torrey; so that I may make one more effort to get at him, with a letter: For, if he has not received any of mine, heretofore sent, the parcel may be in danger of being lost. All I want, is to know that it has reached him in safety.

Now for the next inquiry: You recollect sending, by Mr. James, a little parcel directed to "Sir M. Darlington"! I have often been be-nighted, in my Professional career, but never before in such ludicrous style as that. I could not imagine who the writer could be, and was ready to exclaim, in the language of one of Erasmus's Colloquies - "O erasmi ingenium! suspicor esse Batavum". Sure enough, it turned out to be a parcel from Leyden, and as it was from a Botanical Society, who had been electing me a Correspondent, the less said about "erasmi ingenium", the better! I suppose, that seeing the words Sir, and Mr. mixed up in our Language, the writer did not exactly comprehend the mistake he was making, in thus addressing an old Democrat! But let that pass.

There was in the parcel, beside the Certificate, & a polite note from the Secretary, a volume from Prof. Nriese. In return for such an unexpected compliment, I should like to send a copy of 3 or 4 of my publications - for the Professor, & the Society, - if I could find out the most direct and eligible mode of getting such a parcel to Leyden. I cannot learn that any Bookseller in Philad^a has a direct intercourse with Leyden; & I understand that Adams's Express will not take charge of it farther than

than England: in which case, the parcel might very possibly never reach its destination. Now, what I want to trouble you with, is, to ask if you know of any Bookseller, or other agency, in Boston, by which a package of 3 or 4 volumes could be securely sent to Leyden. If not, there is an end of the matter; & I beg you not to give yourself a moment's care, in finding one - if you do not already know of one. But, if haply you can refer ^{me} to such a channel of conveyance, I would be glad to send the parcel to him, to be forwarded. In that case, please let Mrs Gray inform me of the name & exact Address of the person.

In short, the simple inquiries which I hope Mrs G. will answer, at her convenience, are - 1. the residence of Dr. Torrey, in New York; and 2. whether you can name any channel through which I can send a Parcel to Leyden.

If you and Mrs G. (to whom my affectionate regards) can excuse my freedom in giving you all this botheration; I shall acknowledge it as an addition to the many obligations already conferred upon your sincere friend,
M. Darlington

Prof. A. Gray, Cambridge.

P.S. I have not yet had the pleasure to see Mrs. James. When I was last in Philad^a, she & Mr. J. were on a bridal Tour to the City of Washington.

West- Chester, Pa. April 22. 1852.

My dear Friend, This day forty four ⁶/_{or} years ago, I removed into this Borough, to reside; - where I have continued ever since; and have become within 3 or 4 of being that remarkable personage, called "the oldest Inhabitant." On this anniversary, therefore, I propose to answer your little note, of the 19th inst. which reached me yesterday. Your request for the specimens of Slippery Elm shall be attended to, & forwarded as soon as I can procure them. I do not recollect any trees within two miles of the Borough; and so I went to inquire of our friend J. Hoopes, & see if he could assist me. I luckily saw a couple of gentlemen from the Country, who both promised to send it to me; and if they should fail, I will try what I can do, myself. I am not sure it is yet in flower (one man thought not), the spring is so backward. If I succeed, I will forward it by Express, in one of those little boxes, I formerly sent. So you may look out ^{for} it, in the course of a few days. The leaves, & full grown fruit, must come another time. In the mean time, I thought I would write, - as I have a few questions to ask - and something to say in reply to your Letter of Jan^y. 13. I have delayed until now, because I thought your engagements would render my inquiries, & remarks, something of a bores. And first, respecting the new Darlingtonia, which you mentioned. I have heard nothing further of it. I thought the first new one had a familiar aspect; & I have no doubt it is a Styrax. I hope the other may prove more successful. Is it certain that it has never yet been published, in Europe? It would be unfortunate, if Dr. Torrey has been anticipated in the description of the plant.

I am under great obligation to Dr. Torrey & yourself for the honor done me, - and am quite impatient to see a specimen, or a figure and description.

It is not exactly correct, that I am printing a new Edition of Flora Carolina. I have been amusing myself in revising the former edition (in fact re-writing it), and arranging it according ^{to} the Natural Method; adding the few species which have been detected in the County since the work was published. I have condensed, or curtailed, the detailed descriptions, as much as I thought they would bear; as there is a good deal of repetition (& in fact, surplusage), in the details of specific character, - where there are several species in a genus. My object, originally, was to prepare the Manuscript ready for the press, & leave it for my son to print, at some future day, - if it was thought worth while. But, now ^{that} it is nearly finished - & the old Edition nearly exhausted - I begin to feel as if I would like to correct the proofs, myself; although I do not calculate upon any demand for the work, out of the County - & do not expect it will pay. Nevertheless, I have a notion of having it printed, this coming summer, if I can accomplish it.

If you ever see it, you will see that I have adopted the arrangement & nomenclature of your Manual, throughout, - and have followed you as closely as I could (hand passibus aequis, however) in every thing, - not only because I liked your style, &c. but because I thought it better that a Flora so local should conform to one more comprehensive, & in general use.

Such a course may look plagiaristical; but as I once made a laborious description of our plants, in great detail, I did not think it worth while to go all over them, again, merely for the sake of originality; and so I compiled from my former descriptions, & used your phraseology, where (as was often the case) I preferred it to my own. Where there seemed to be obscurity, or doubt, I referred to my specimens, again; but where it was all plain sailing, I merely curtailed, or condensed, the old descriptions. I should judge, from appearance, that the revised edition would make about 400 pages - instead of 600. I have popularized the observations, upon all the remarkable plants, - in order to render the work as entertaining as I could, to our young Chester County Herborizers. There are two or three matters I could not make out, here; & if you have the means, at Cambridge, without too much trouble, I should be glad if you would inform me: - viz.

1. What is the derivation of the Generic name, Reboulea, - (the grass formerly called Koeleria)?
2. Have you yet ascertained the derivation of Cassini's name for the fetid Chamomile - Marrubia?
3. At page 639 of the Manual, two species of Selaginella are given, from "Spring." Does that mean Sprengel? I cannot find any authority that would be abbreviated to Spring. You have so few typographical errors, that I felt at a loss.
4. I cannot ascertain what you have done (in the Manual) with Naccinium tenellum, of Aiton. Was it accidentally omitted? I was with Dr. Torrey, when he first saw it growing, on the Crow's nest Mountain, above West Point, in 1827. I have since seen it among our Mountains.

I often think of things I would like to ask you about, - but the foregoing are all that occur to me at present. If you can answer the inquiries of this letter - & forgive its unconscionable length - I shall be very glad, and grateful.

I ~~sent~~^{sent} my package, for Prof. De Vriese, to the Dutch Consul General, at New York, - who kindly promised to forward it. I am greatly indebted to Mr. Carey, for examining our Chester County Willows, for me. Without being impudently inquisitive, I should always like to hear, when you write, what particular works you are engaged on.

Please tender my best respects to Mrs Gray, & believe me be very truly your oft obliged friend
Wm Barlington!

Prof. A. Gray,
Cambridge.

N. B. If I live six days longer, I shall have reached the allotted limit of three score and ten. I mention this, in the hope it ^{may} make you patient under the infliction of an old man's garrulity.

West. Chester, Monday,
April 26. 1852.

My dear Friend,

My ever faithful & active friend, Joshua Hoopes, brought me some flowering branches of Ulmus fulva, on Saturday last; but, as I expected some more, today, by a friend from the Country, I concluded to wait for them. They have now arrived; but are almost too old to show the flowers to the best advantage; & those brought by Joshua are pretty much wilted, & are falling off. In all of them, the beautiful dark purple ^{or bluish black} anthers are fallen, & unless you are familiar with the flowers, from memory, it will be difficult to make the drawings complete. I regret that I have not been able to do better; but the flowers were generally a little passées before I got your letter. The fruit, however, when fully grown, & the leaves, can be sent in better condition. If these shall serve your purpose, I shall be highly gratified to learn the fact. In haste, yours truly,
Wm. Darlington.

Prof. A. Gray, Cambridge, Mass.

P.S. Is there no word, yet, of De Candolle's Prodromus, sectio prima, of Part 13?

Miss Mary

Prof. A. Gray

11
West Chester, May 8. 1852.

My dear Friend, I went to the
Brandywine, this morning, to
get Traxinus pubescens for
you. I found it with the flowers
not fully evolved; but I con-
cluded it was safest to get
it while I could. Perhaps
it may answer your purpose,
for the present. When the
leaves are fully grown, I will
try to send them; & fruit, if
I can procure it. It is rather
rare within my knowledge.
I have put in some of the
T. Americana, L. which I found
growing with the pubescens,
& rather more forward.
Our friend Joshua Hoopes went
in another direction to get T.
sambucifolia, Lam. but found
no flowers. I send the

branches, to let you see the
buds. If I should yet meet
with flowers, you shall
have them. I think it usually
flowers in April, - and it
is possible they may be past.
I will take care to have
leaves & fruit, when full
grown, if you wish them.
Both pubescens, & sambucifolia,
are becoming scarce, in
this vicinity. But, with the
aid of my friend Hoopes,
I trust we can supply you.
I expect Mr. J. P. James
to see me this evening; and I
propose to get Mr. J. to take the
box to the City on Monday morning,
to go by the Express. I think
the specimens will go safer in
the box, than in a package
by mail. Probably I can

send leaves & fruit by mail.
I will return Prof. De Vries's
Letters in the box - with many
thanks for the privilege of
perusing them. I was pleased
to see that he remembered your
pet, Squallie, which you must
have made him acquainted
with - & which my daughter
& I recollect very distinctly.
I shall endeavor to procure
specimens of Polygala lutea
for the Professor; & also the
Aristolochia serpentaria. The
Polygala was formerly quite
abundant here; but is now,
unhappily, becoming rare, by
the march of Agriculture. The
timber is cleared off, - & the
plant has cleared off with
it. Excuse this hasty scrawl,
Yours truly,
Prof. A. Gray } Wm. Darlington
Cambridge }

West Chester, Penn^a

72

July 2. 1852.

My dear Friend, yours of the 29th ult. came today. If the specimens of Polygala Senega met your views & wishes, I am very glad we persevered until we found it. But now I am going to trouble you again, if you will permit me. A friend of mine, Dr. Henry Gibbons, who is at San Francisco, in California, has sent me about 80 specimens of Plants, collected in that vicinity, - of which he wishes to know the names. He has numbered the specimens, & wants me to send the names in connection with the numbers. They are nearly all strangers to me (though I recognize several of the genera); & I thought I would venture to send the whole parcel to you, & ask you to run your eye over the specimens, & name such as you recognize. I have put a piece of paper with each specimen, ready for you, to save as much trouble as I could. As you are quite familiar with ^{the} plants of that region, I hope you will not be too much annoyed by this application. I know of no other mode

mode in which I could expect to get so much information, so easily to myself, & so speedily. If there should be any of the specimens which you do not readily recognize, lay them aside until your leisure (if you ever expect to have any) will enable you to examine them. Any such can be sent back at a future day. Doctor Gibbons (who formerly paid some attention to Botany - but was of late years neglected it) apologizes for his specimens; and it is true they might be better; but he promises to make further collections if I wish it. If I can send him (with your good help) the names of this parcel, I shall request him to make a general collection of the indigenous plants of that district of Country, - and furnish more complete specimens; which I think he will do. It is hardly probable he will find any thing really new, in such an old settlement; but whatever he may send shall be at your service, if desired. Perhaps he might be useful to you, in the way of remitting seeds of Californian plants. I shall suggest something of the kind to him, - as he expects to remain in that Country.

Should you have time to look over the parcel (now sent by Adams's Express) while Mr. James is with you (for I learnt yesterday from his Boys, that he expects to make some stay) you will have a good opportunity to return the parcel by him. But, if he comes before you are ready to return it, please send it by Adams's Express to his care, in Philad^a - & I will get him to pay the freight, on delivery.

"Have you really resumed the work on the "Flora of North America?"" I had not heard of it; but am very glad to think that is what you meant, in speaking of working at the Ashes, for the Flora. I wish you great luck, & all possible despatch; though I scarcely hope to be spared long enough to see it finished.

With affectionate regards to Mrs. Gray, I am most truly your obliged friend,
Wm. Darlington!

Prof. A. Gray,
Cambridge.

73
West-Chester, Penn. Aug. 21, 1852.

My dear Sir, I am much obliged, & Dr. Gibbons will feel himself greatly indebted, for your kindness in so promptly naming his California Plants for him. They were nearly all quite new to me, and I should never have made them all out. I have sent him the names, by his Brother, who is about to return to that Country; & I have enjoined upon him to procure specimens for you, of those species designated by you as desirable. I have urged him, also, to collect & send to you, specimens of every thing which seems new, or rare - & seeds of the same, when practicable. I think he will do so.

This day I received specimens of a Plant, said to be raised from seeds received from the falls of St. Anthony. It seems quite strange to me, & I am unable to refer it to any natural family - & so cannot make it out. Trusting that you

may recognize it from a fragment
(as Hercules was known ex pede), I
inclose a small flowering-branch
& a leaf. If you can spare that
much time, please give the name,
& I will hunt up the description,
if it is in any of my books.

The plant has something of the
habit of a Pentstemon or Lysichiton,
but the fructification is remarkable.
3 florets in an involucre - ovary inferior -
stamens 5 - filaments & style long
& spiral. But as you are probably
familiar with it, I need not
waste time in attempting to describe
it.

With my affectionate respects
to Mrs G. I am very truly your
Obliged friend
Wm Darlington

Prof. A. Gray
Cambridge, Mass.

P.S. I have got 160 pages of the
new edition of Flora Cotica printed -
(just concluding Compositae); & am
trying to get through as fast as
practicable. My son prints it, at Lancaster.

West-Chester, Pa, Octo. 13. 1852,

74

My dear Friend, By the kindness of a friend in Reading, I have procured an Autograph Letter of good old Dr. Muhlensberg, for Prof. Adrien de Jussieu; which I was unable to obtain, at the time I sent you the little parcel for M. de Jussieu, about a year ago. It is herewith enclosed; and you will please forward it to M. de Jussieu, with my compliments, by the first safe and convenient opportunity. He has acknowledged, to me, the receipt of the former parcel; and as he seemed desirous of an Autograph of Dr. Muhlensberg, I am very glad to be able to furnish one. Such interesting memorials will no doubt become very precious, as time recedes from the epoch in which the writer lived. I suggested to Prof. Baird, that the Smithsonian Institution ought forthwith to commence a collection of Autographs, and Portraits, of Naturalists, and others; to gratify the curiosity of Posterity. Don't you think such a project worthy of encouragement?

They might be classified, and arranged in Portfolios, or volumes, so as to occupy but little space, & yet be conveniently referred to, when desired. I think such a collection might be made a very interesting department of the Institution, without much cost: and if it did not diffuse much "knowledge among men", it would probably diffuse a very pleasant gratification among "much people", in times to come.

It seems a great while since I have heard from you. I should be glad to learn what you are particularly engaged upon, at this time. I somehow got the idea that you were going to finish the Flora of N. America. Is it so? I have been occupied, this summer, with a new edition of Flora Cestricea - and have now got as far, with the printing, as the Salicaceae, which Mr. Carey revised for me. I have implicitly followed your Manual, in the arrangement and Nomenclature; and have thrown in such familiar remarks as I thought would tend to popularize the work, with our uneducated youth.

I was in much doubt whether it was worth ^{while} to reprint a Local Flora, of a district embraced by your Manual; but I finally concluded to print a small edition, for the use of the young botanists of the County, and adjoining districts.

If nothing happens to prevent, I expect to have the volume out early in the coming year; - when I will send a copy to amuse Mrs Gray, if it can. It will certainly contain nothing to interest you. Pricking of Mrs. G. how is the dear Lady? I am desirous to learn that her health continues to improve. If you will not bring her to see me, I fear I shall never look upon her pleasant face again; for I am growing so old, & rail roads & steamboats are becoming so murderous - even to youthful travellers - that persons of my age had better stay about home. Nevertheless, I beg you to remember me most affectionately to Mrs Gray; - & to believe me most truly
your old friend,
Wm Darlington

Prof. A. Gray,
Cambridge

P.S. I am getting so old and forgetful,
that I do not recollect whether I
told you, that good old I. Collins's
great-grand Daughter sent me a
beautiful Silk Purse, of her own
manufacture, - in return for the
copy of the Bartrem Correspondence
in which her venerable Ancestor figures
so largely. If I did, you will
make every proper allowance
for the garrulity of gratified pride.

75
West-Chester, Pa., Jan. 10. 1853.

My dear Sir, This day's mail brought
me the printed sheets from Pittman's
Journal, directed in your hand
writing, - viz. the notices of Botanical
works, and Mr. Carey's curious obser-
vations on the fruit of Carey; for which
I am much obliged, - as I discon-
tinued the Journal at vol. 50; and should
not get the news, but for your kind
attention. I regretted that Mr. Carey
should leave the Country before
I had an opportunity to make his
personal acquaintance. I have found
him a very agreeable and valuable
Correspondent.

Knowing how you are pressed by your
multitudinous engagements, I am
reluctant to trouble you with my
poor Scrawl; but I cannot help feeling
a little curious about that third attempt
at a Darlingtonia, which you intimated,
some considerable time since, was on the
anvil. My time is now growing so short,
that I trust you will excuse a little
impatience to see or hear something fur-
ther on the subject. As it has never been
announced, is there not a risk of its being
anticipated by some European Botanist?

I believe that there are Plantae
Fremontianae announced for
the next Smithsonian Contribution.
Is the Genus to appear among
them? Any intelligence, that it is
lawful or proper to communicate,
on that subject in particular - or
on Botany in general - will be
thankfully received. Dear Mrs. Gray
used to indulge me with Letters in
your name, when you were too busy
to write; but I fear your engage-
ments are contagious, - & that Mrs. G.
has become busy, too; - & cannot afford
to entertain her old Friend, as form-
erly. I think I will try if I cannot
draw a Letter from her, by sending
a small engraving of my head,
which the Directors of our Bank caused
to be made for a new emission of Notes.
They also put Mrs. Townsend's head
on the same notes, at the opposite end.
I thus gave a currency to a couple
of old Botanists and Bankers. I will
inclose mine for Mrs. G. Mrs. Townsend's
for you; & between you both, I
shall hope for a Letter, when
your convenience will permit.

I have at last got to the Index
of my new Edition of Flora
Cetina; but there is a consider-
able quantity of Preliminary
trunk yet to be printed. The
volume will hardly be ready before
March, next; but as soon as it
is, you will of course get a
copy. It has gone through the Proofs rather
slowly, - but steadily enough to keep me
about home, ever since last May. It
is printed by my Son, in Lancaster;
& the Proofs, having to come to me
by mail, has been attended with
some inconvenience; but, considering
all things, with fewer typographical
errors than I could have expected.
I had a desire to see our County Flora
reduced to the Natural Method, before I left;
and as no Publisher in Philad^a would
touch it, on any terms, I purchased a
Font of Type, & the requisite Paper for
a small Edition, & told my Son if he
would do the rest, I would give him
the work for ^{& the materials} his trouble; which he
agreed to do; and that is the history of
the Edition. With best respects to Mrs. G. I
am very truly your Friend,
Prof. A. Gray, Cambridge. Wm. Darlington

76
West-Chester, Pa April 21. 1853.

My dear Sir, I despatched, yesterday,
by Adams's Express (paid through, to Cambridge),
a package containing three copies
of my new Edition; viz. one for yourself,
one for Mr. Tuckerman, & one for Mr. Emerson.
I hope you can cause the two to be de-
:livered without much trouble; the third
you will please find room for, on the
shelves of your library. The only thing in
it which can interest you, will be to
see how much I am indebted to you
for the arrangement of the contents,
& the fidelity with which I have endeav-
:oured to profit by your condensed
descriptions of our Chester County Plants.
But with all my attempts at condensation,
& curtailment, the book is one third larger
than I intended, - as large, in fact, as the
old Edition. As this is most probably my last
Essay, of the kind, - if you can glance through it
without discovering striking indications of dotage,
and will promise not to prosecute me for
piracy, for the use I have made of your Text
book, & Manual, - I shall be perfectly content.
Awaiting your judgment & decision in the
matter, I am most sincerely & truly
yours,
Prof. A. Gray, }
Cambridge. }
Wm Darlington

P. S. Profiting by the kind offer of
Prof. David, I have sent the copies
for my European friends (viz. Boott,
Hooker, Dillwyn, Burtham, & Carey, of
England - and De Candolle, De Vries,
Agardh, Geornain, & Adrien de Jussieu,
on the Continent,) to him, - to be for-
warded under the auspices of the
Smithsonian Institution.

N. B. I inclose a little fragment
of a flowering vine, sent to me
by a Lady, to get the name, - which
I do not satisfactorily make out. No
doubt you will recognize it: & if
so, please send it me when your
leisure (if you have any) will permit.

With best respects to Mrs G. M.D.

West-Chester, Pa. June 7. 1853.

77

My dear Friend, I duly received yours of May 30. and with it, the copy of the Flora Suecica, from dear Miss Brownfield. As a relic of her esteemed Brother's Librarianship, and a token of her kind remembrance, it will be fondly cherished & preserved. I have not yet heard from the Lady; but shall hope for that favor. She sent me a most kind Letter, shortly after her Brother's death, - and with it two obituary notices of him; one from Sir W. J. Hooker's journal, & the other from the Phytologist. I am much obliged to Sir H. Bridges, for his polite attention; and if you should see him, or communicate with him, I would thank you to make my grateful acknowledgments therefor. I am delighted to learn that our lamented Friend's Flora of the Isle of Wight is to be published. I hope a good proof reader may be had to superintend the printing, - for our dear Friend's manuscripts were not very legible; and I also hope it may appear while I am extant, to enjoy the perusal of his sagacious remarks. I had this day the extreme gratification to receive a parcel from Doctor Torrey, containing a most kind Letter, accom-
panied

framed by 25 copies of the memoir on the new Darlingtonia, with as many plates of the plant. He was so obliging as to have one of the plates colored by an artist; and it really makes a very beautiful picture. I shall endeavor to get the others colored, before I distribute them among my Botanical Friends.

This contribution is one of the richest and most gratifying compliments, which I could possibly receive, - and done, too, in the handsomest manner. I would not exchange the Genus, as now dedicated by Doctor Torrey, for the loftiest column ever erected to the most destructive Warrior that figures in the pages of History.

The only drawback, in connection with it, is, ^{the reflection or consciousness,} that I have not a more valid claim to such a distinguished honor.

Your untiring good nature, ^{also,} in noticing my new Edition of Flora Cestrica, calls for my renewed acknowledgments. As it is, in all probability, the last occasion you will have to practice that sort of civility toward me, your commendations will be laid as a flattering (not to say extreme) unction, to my bosom.

I now beg leave to do, what I ought, probably, to have done at the beginning of this hasty note; namely, make you acquainted with the gentleman by whom I send it. I expect it will be handed to you by Washington Townsend, Esq. Son of the original of the genus Townsendia. He is a cherished young friend of mine, and Cashier of the Bank with which I am connected. Although not specially addicted to Botany, he has dipped considerably into that Science, - and still more into Mineralogy; has a decided bias for the Fine Arts, and is very much at home in the various departments of polite Literature. In short, he has a due appreciation of your & my favorite pursuit, - with all the accessories which become a Gentleman; and is every way worthy to become your friend. He goes to your region, on a recreative excursion; and therefore I am happy to commend him to that cordial greeting which every ^{one} who deserves it, is sure to receive. With affectionate regards to Mrs Gray, I remain, Dear Sir, truly yours,
Prof. A. Gray,
Cambridge, Mass. }
Wm. Darlington.

78
West- Chester, Penn^a, October 11. 1853.

My dear Friend, I find on looking at your last two Letters, no mark of my having answered them; but I hope and trust I did. Indeed, I perceive that my memory, about such things, is beginning to play me slippery tricks, - and I must throw myself on the indulgence of my friends, in case of apparent neglect. The two Letters referred to, are dated May 30. and August 14. and lest I ^{may} have omitted to reply to them, I will now say, that the interesting Present from dear Miss Bronfield was duly received, and will be religiously preserved as a precious memorial of her excellent Brother. You suggest that she may have written about it; but I have not received any Letter from her, since the one announcing her Brother's death. It is my intention, however, to write to her, before long, to acknowledge the receipt of the book. I have been waiting to see if a Letter would come.

I received several copies of the Memoir & plate of the new Darling Tonic from Dr. Torrey (one of the plates colored), - and feel myself highly honored by his kin druff. Although it did not get into the last volume of the Smithsonian Contributions, I trust it has gone abroad, so as to prevent any danger of its

appearing under another name, - in case it should be found by some other collector. Dr. Torrey is kind enough to speak favorably of my new (and I may emphatically say my last) edition of the Chester County Flora; and I cannot sufficiently express my sense of the honor done me by the notice of it, in Silliman's Journal.

By the way, have you seen a notice of it in a German Periodical, called Bomplandia, published in Hanover? I met with it in a bookstore, in Philad^a; and after the compliments received from you & Dr. Torrey, I was much amused to find my style criticized by a Foreigner, & stranger to our language. He says it is so redundant in Americanisms, that he would advise "Herb Darlington", if he ever goes to a fourth edition, to employ some person to superintend the work, who is better acquainted with the idioms of the English Language, than he appears to be!

I fear I shall not be able to profit by the suggestion; for I have no idea of another edition. But if I had, I could not expect any body to undertake such a job for me; and I am getting rather aged, myself, to take lessons in English, with advantage, from a Dutchman.

I was exceedingly sorry to learn, by your note of Aug. 14, the death of poor A. de Jussieu. I received a very kind letter from him, last year; and directed a copy of my new Edition to him last spring, through the Smithsonian Institution: but it is scarcely probable that he lived to see it. How sad, to think that

the great name of Jussieu must now be extinct, among men! But it can never cease to be a glorious name in the botanical world.

Will it be possible to obtain a copy of the Correspondence you speak of (of Bernard de Jussieu & Linnaeus), separate from the memoir of the Academy? I should like much to have it: though I should like much to have it: though I do not permit myself, now, to take voluminous new works, - or I would take the memoirs, themselves. If a single number, or volume, containing that Correspondence, can be had, without subscribing for more, I should be glad to get it.

I received, recently, in a letter from a Lady Botanist who resides in the West, some fragments of plants, - of which she wishes to know the names. I inclose a sample, collected at R. Pauls, which I am not sure that I know. Is it a Riccia? or what is it? If you recognize it, please tell me, so that I may inform my fair correspondent.

You will see, by the seal to this note, that I am so proud of the new Darlingtonia, that I have discarded the old device, and substituted a new one. The motto is from Ovid's Metam. Lib. XIV. l. 634. where the employment, or pursuit, of Pomona is described.

Having now sufficiently taxed your patience, I will conclude, with affectionate regards to Mrs. Gray, and my grateful acknowledgment of your untiring kindness.
Prof. A. Gray, Cambridge, Mass.
Wm. Darlington

West-Chester, Pa, Octo. 31, 1853. 79

My dear Friend, Your favor of 15th inst. came duly to hand. I am glad you sent some copies of Dr. Torrey's Memoir abroad, so that the Botanists of the old world may get to see, or hear, of the new Genus, before they receive specimens of the Plant, & impose another name. I should be very sorry, on every account, to have the Doctor's memoir anticipated, by some one who might, peradventure, get hold of the plant, & publish something, while the memoir was in the hands of the printer, in this Country. I trust, now, the Genus is safe; and that even the astuteness of our friend Bentham will not be able to merge this Darlingtonia into any prior Genus - not even into his Helianthron; to which it seems nearest akin.

I got the new Seal copied, exactly, from Mr. Prague's Drawing, as lithographed. I could not, of course, venture to deviate from such authority; and the scape purports to be only represented in part, while the leaf is so very remarkable. I confess I rather prefer it as it is.

I shall be greatly obliged by a copy of the Linnaeo-Jussiacen Correspondence. If, when printed, it is too bulky to come by mail, conveniently, you may wait an opportunity to send it to Philad^a, care of my present Bookseller, J. Pennington & Son, South 5th Street, between Market & Chestnut.

I am not sure I did not send you a copy of a Circular, announcing a Gathering of the Clam Darlington, to come off in August, last. But whether or not, - I now send, for the amusement of Mrs. Gray, a copy of a Pamphlet, giving some account of the affair. Although not published, nor intended for exposure among "outside Barbarians," - I feel as if you & Mrs. Gray were near enough akin to me, to be amused, at least, by an account of our carayings on; and possibly to sympathize with the clannish emotions which were awakened on that interesting and agreeable occasion.

Affectionately & truly yours,

Prof. A. Gray,
Cambridge, Mass.

Wm. Darlington

West-Chester, Pa. Feby. 15. 1854. 80

My dear Friend, I had the pleasure, yesterday, to receive the beautiful brochure, containing the Correspondence of Linné and Jussieu, - for which I hasten to make my grateful acknowledgments. It will be a delightful treat, to those who relish such Literary antiquities, and have the good fortune to be familiar with the language. Although I never was inside of a Grammar School, and know nothing of Latin, but what few crumbs I have been able to pick up by my own application, - I find, by a glance at the Letters, that the style appears to be easy; and I think I shall have no great difficulty in extracting the meaning of the writers. I shall, at least, take an early opportunity to make the trial; and will go at it con amore.

I feel very curious to learn the progress, and present prospect, of the Glossæ Væctensis, by our lamented Friend, Dr. Broomfield. Is it really in pross? or only proposed to be published? I should be very glad to learn it was out, - while I am extant, and in a condition to look over and enjoy its contents. I

I have not heard from Mr. Agassiz; and, indeed, I did not wish him to know that I was trying to procure specimens of our Fishes for him, - because I feared it might excite expectations, which I am not at all sanguine in being able to meet. I wanted first to try to enlist two or three idle fellows of my acquaintance who are fond of the sport, before I made known my intentions; so that a failure would produce no disappointment. I shall, however, make the attempt; and trust I may obtain some specimens - though probably nothing new. If I were some forty years younger, I would try my luck in person: but my fishing, now, must all be done by proxy.

Our friend Joshua Hoopes, of this place, was so possessed with the idea that he had found a Lycopodium specifically distinct from complanatum, that he could not rest until he sent specimens to Sir W. J. Hooker, for his opinion. He had long been insisting, with me, that it was distinct; but I thought it was nothing more than a variety; and I think he received the same opinion from you, some time ago. Well, he got a letter, recently, from Sir William,

which confirmed our views, - by stating that the Lycopodium was very subject to such modifications as our friend had relied upon, in establishing his supposed species.

But my chief object in referring to that letter, is, to say that Sir W. requested Joshua to tell me that he (Sir W.) was about to send me a Portrait of Dr. Brownfield; & that it would be forwarded to you. Of course it had not reached you, when you wrote; but when it does come, I will thank you to send it to the care of Mr. James, in Philad^a, and request him to pay the charge of the Express, for bringing it, - so that I may be permitted to meet the expense, whatever it is. I am unwilling that either you, or he, should have any thing more than the trouble of attending to my affairs. Let the cost be marked on the parcel, and I will attend to the rest.

Excuse this long yarn - I believe me, with affectionate regards to Mrs. G.,
your oft & greatly obliged friend,
Prof. A. Gray, Wm. Darlington
Cambridge, Mass.

81
West-Chester, May 19. 1855.

My dear Sir, I have again to thank you, for your wonted kindness in sending me the articles from Silliman's Journal. They reached me yesterday, - and are all interesting; particularly the curious pamphlet on the Vegetable Individual, by Professor Boissac.

If it will not annoy you too much, I would like to trouble you for a little information. The matter is simply this: a few weeks since, I despatched a box of specimens of Chester County Fishes for Prof. Agassiz. They were chiefly collected, at my request, by my indefatigable friend, Dr. Michener - and forwarded by me. I put them in charge of an Express Agent, here, - and wrote by mail to Prof. Agassiz, announcing the fact. I have heard nothing of them, since; and am desirous to know whether they came to his hands.

I am well aware, that the Profess:
or's time is precious, - and that
he may not have felt at leisure
to reply to my letter; nor do I
wish to interrupt him, to obtain
an early answer. All I want,
now, is to learn (for the satisfaction
of my friend Richard) whether the
box reached Prof. A. in safety.
I wish him to take his own time
to give us his views, &c. of the spec:
imens. You will therefore
understand, that what I want,
is, for you to ascertain by a mere
incidental inquiry of Prof. Agassiz,
when you see him, if he received
a box of Fishes from me; and
then let me know. If he has
been prevented by the pressure of
his engagements, from answering
my letter, - all I want, now, is
to simply know the fact. I do
not wish him to think I am
impatient of delay, - but only of
my state of ignorance of the
fate of the specimens. If they
have miscarried, I must try
to have them hunted up.

Having thus stated my chief
want, at this time, - I will
only add the inquiry, whether
you have heard any thing of
the prospect of another volume
of de Caudolle's Prodrôme? And
also, whether there is any ac:
count, yet, of Dr. Brownfield's
Flora Vectensis? His Sister wrote
me, some months since, that
it was soon to appear, - and
that she would send me a
copy. I am very desirous to
see it, when it does appear.

With my most respectful
& affectionate regards to Mrs.
Gray, - and by no means
forgetting her worser half -
I remain, Dear Sir, very
sincerely and truly, your
oft. obliged Friend,
Wm. Darlington
Prof. A. Gray,
Cambridge, Mass.

W^{est}-Chester, Pa., Octo. 20. 1855.

I pray you to present my affectionate respects to dear Mrs. Gray. I sometimes fear I shall never again have the privilege to bask in the sunshine of her sweet smiles, - unless you bring her again to Philadelphia, when I will make a most muscular effort to meet you: Or, what will be yet vastly better, bring her to see her aged friend in his own humble domicile. Most sincerely your oft. obliged & grateful friend,
 W^m Darlington.

Prof. A. Gray,
 Cambridge, Mass. }

P.S. The sheet of "Sill. Journ. Notices" has not yet reached me; but it is probably only delayed a post, or two, as after wrapping.

My dear Friend, Your kind favor of the 15th inst. reached me yesterday. I had recently heard, somehow - I really forget how - that you were on a flying visit to the old world. I almost envied you the privilege, old as I am, and if I could make it suit (that miserable "if" is always in the way, when I want to do any thing particularly desirable, or agreeable) I would soon be on my way toward Kew, and the Jardin des Plantes. But it's no use, thinking about it; so I will endeavor to content myself with hearing about it, and congratulate you, on your interesting trip, & safe return. Although I cannot go to Kew, - once in a while very pleasant things come from that charming place. A few days since, I received a most kind Letter from Sir William, - in which, among other things, he promised me a recently engraved Portrait of himself: but, as you do not mention it, I am apprehensive you did not bring it. The package, you speak of, may be kept by you, until a safe opportunity offers to send it to Philad^a, care of Mr. J. L. James, corner of Market & Decatur Street. How- ever, I have sent word to Rev. Mr. Ray, a young Clergyman, now on a visit to Lowell. He may, perhaps, visit Cambridge; and if so, he will probably call on you for it.

Sir W. J. Hooker, in his recent Letter to me, expressed a desire for specimens of the various sorts of Paper manufactured in this Country, from unusual materials, - such as straw, shavings of wood, Cane stems (Arundinaria), &c. &c. I have taken measures to procure such as I may. If you are acquainted with any Manufacturers, or Paper Merchants, in Yankee-dore, they might enable you to aid Sir William in his grand project of having all the Products of the Vegetable Kingdom in his Museum, at Kew. I am not sure that I shall be able to get good samples of all the Paper referred to; and I know, that both he and I will be gratified, if you can send him some specimens, when you communicate with him. He wishes, of course, an authentic account of the material, or materials, of which each sort of Paper is made, to accompany it. Sir William also expressed a wish for sections, or trunchcons, of the stems of our Tropical trees and Shrubs, for the Museum. With the help of my indefatigable friend, Joshua Hoopes, I have been so fortunate as to procure, already, upwards of one hundred species of our trees & shrubs, in trunchcons of a foot in length, and three to six inches in diameter - where they attain to that size. I have them labelled, & snugly packed in two boxes, ready to go by the Cornard Line. I hope they may go safely, and be acceptable.

I had the honor, lately, to receive a copy of Alph. DeCandolle's new work, directly from himself. I glanced into it, & saw that it must be both interesting and valuable, in the highest degree. Being in a paper cover, I determined to have it well bound, at once, - and did not cut the leaves. I expect it home, in a day or two, - when I shall give it a careful perusal. I do hope you may find time to show it up, and present its character, & merits, in a thorough Review. It will do a good service to those who cannot read French, or may not possess the original, - and is really due to the excellent Author.

I was glad to learn that Dr. Broomfield's Flora of the Isle of Wight is so nearly ready. His sister kindly promised that I should have a Copy, when it appeared; and I shall soon begin to look out for it, with great interest.

I noticed, lately, in the Papers, the most sad affliction of our excellent friend, Doctor Doxey, by the loss of his long-cherished bosom Companion. It is an affliction in which I can deeply & most acutely sympathize - and at the same time, one in which mere words of consolation are utterly vain & powerless. Comfort must be sought from a higher source, while fond memory will silently dwell in the endearing recollections of the past.

West-Chester, Pa., March 13, 1856.

of the Balsambog (Bolax glaberrima),
2 feet high & 10 feet in circumference,
- a compact hemisphere, this one
specimen weighing 4 Cwt!" - As
the Bolax is an umbelliferous plant,
I cannot imagine what such a
specimen consists of. Is it the
root? or what can it be? Do tell.

I have collected for Sir William,
with the aid of my indefatigable
friend Joshua Hoopes, about 150
tranches, or sections, of our forest
trees & shrubs, for the New Museum,
which I hope to ship in the spring.

This, I believe, is all I have to say,
at present. I find old age settling
on me rather faster than usual,
this hard winter; but otherwise
my general health is tolerable.

With best regards to Mrs Gray, truly
your oft-obliged Friend, Wm Darlington
Prof. A. Gray, Cambridge.

P.S. I inclose, for the amusement of
Mrs. G. & yourself, a little jeu d'esprit,
perpetrated 35 years ago; but lately
re-published with a slight addition.
When it first appeared, I was a
practical Barber.

My dear Sir, I dislike the idea of
disturbing you, in the midst of your
labors, - and yet I have no other
resource for obtaining the current
botanical news of the day, which
is not contained in the biblio-
graphical sheets which you
so kindly send me. Were it not
for those welcome sheets, I should
be left entirely in the lurch, - for
I do not, now, take any of the
Scientific journals. My book cases
are heaped full with such works,
taken in former years, - and I am
so far advanced in years, that
I thought it time to discontinue them.
Yet I am as curious as ever, on
botanical topics; and hence my
gratification on hearing from you,
either by those sheets, or by letter,
I do not know what you are
driving at, at this time - whether
at

at new works, or new Editions,
of existing works. I think I un-
derstood you were getting out a
new edition of the Manual. I
wish you could extend that
Manual, so as to include all the
known plants of the U. States.
I should think, a couple of chunky
volumes, in small type, might
contain a brief yet satisfactory de-
scription of them all; and still
be conveniently carried in the
pockets, so as to be consulted
when wanted. Something like
Person, a little amplified, would
be a capital Manual for young
American Botanists; it would be so
satisfactory to take up a book
which they were sure contained
a notice of every described Plant.
If the new edition contains only the
Northern plants, would it not be
well to have another volume, for
the Southern ones? Or do you
think Sarby's book obviates
the necessity for such a volume?
A single work embracing all our

plants, would surely be preferable,
as it would present the families
complete, and obviate the necessity
of duplicate descriptions, of species
which are common to North & South.
In your favor of last autumn
you thought I might expect
Dr. Broomfield's High Night Flora
by Christmas; but I have heard
nothing of ^{it} yet. Have you?
I received a letter lately, from
Sir W. J. Hooker, in which he says
he sent some copies of a Portrait
of himself, for his American Friends,
to your care - one for me; -
but as I have heard nothing
of it, I am apprehensive
the parcel may have been
sent by the unfortunate Pacific.
Can you enlighten me, on the
subject? Sir William, speaking of
the acquisition of specimens for
the Museum at Kew, says he
has received from the Falkland
Islands, "a splendid specimen
of

For the Republican.

MR. EDITOR,

On the 21st of July, 1821, a *Chester County Farmer*—who had just secured his Harvest, and was rather addicted to dabbling in *Languages*, when at leisure—amused himself with a whimsical attempt to perpetrate a sort of *Harvest-home Song*, in which the *last line* of each Quatrain should be in a *different language*. That Song was published in the *American Republican* of August 1. of the same year,—and consists of five Stanzas, comprising a specimen of all the languages the writer happened then to have any acquaintance with. Since that time, having got a little snattering of two others, he has interpolated a Stanza for each, among those of the original Ditty.

If you should be of opinion that a *second edition* of the trifle, with the addition, will be worth the space it may occupy, you are at liberty so to dispose of it.

Feb. 11. 1856.

AGRICOLA.

A HARVEST HOME SONG:

BY A CHESTER COUNTY FARMER.

“*To its ain Tune.*”

We FARMERS, whose lands are our own,
How snug, and how happy our case is !
When our harvesting labors are done,
Et ruperunt Horrea messes.

If we chose about home still to stay,
Our affairs, they on pleasantly jog, now ;
We can call to our waiters, and say—
Jaou, joldee ! Cheroot, Shraub, aur Aug, laou :

Or lulled to repose, by the breeze,
And dreaming of Pleasure and Plenty,—
We can stretch us beneath our own trees,
Gustare il dolce far niente.

Or if through the country we rove,—
Like the hours, we can merrily dance on ;
We can st.p with the friends that we love,
Et chasser l'ennui par la chanson.

Should we saunter along the sea-shore—
A scene which all others surpasses—
We can muse by the unceasing roar
Tes poluphloisboio Thalusses.

When summon'd again to our cares,
We'll go—as all good people can go,—
Invoking success by our Prayers,
Y con el buen mazo dando.

And when from this earthly abode,
It shall please the Great Spirit to call us,
We'll say as we lay down life's load,
Unser Gott sey gedanket fuer alles.

West Chester, Pa March 26. 1856.

My dear Sir,

I have just received Mrs. Gray's kind Letter of the 24th, in which she mentions that you wish some Reports, for M. Deleput, on Banking, & Savings Banks.

Our Cashier has given me a Copy of the Reports of our Penn^a Banking Companies, ^{for last year,} which I will forward with this Letter, by mail. He tells me, that the most interesting Reports on the subject, are those made by the Secretary of the Treasury, at Washington; and that by applying to your Representative in Congress, he could no doubt procure some for you without any difficulty. The latest Report of this kind, is Executive Doc. No. 82, of the 33d Congress, 2d Session, on the Condition of the Banks throughout the Union.

There was a bulky & extremely interesting Report on the Banks & Banking of the U. States, made April 9. 1840 - 1st Session of 26th Congress, which, if your Member could procure, would be valuable to M. Deleput. It shows up all our mismanaged & broken Banks, of that period. Levi Woodbury was then Secretary of the Treasury.

I wish your Member could get it for you.

In haste, Dear Sir, Yours truly,

Prof. A. Gray, Cambridge.

Wm Darlington

West-Chester, Pa. May 8. 1856.

My dear Mrs. Gray, Your highly-esteemed favor of March 24. was duly received; and I promptly responded, as far as I could, to the request of Dr. Gray respecting Bank Reports, for M. DeLisport. The residue of the letter, I should have been happy to reply to - and manifest my sense of the honor done me; but I hesitated to annoy you with my Epistolary rigmarole, - knowing you were acting as amanuensis to the Doctor, and would have no leisure to attend my outside gossip. I am very much obliged by the information you gave me, and am now induced to trouble you for a brief answer to a question put to me, recently, by the Principal of the Public School, in this Borough - viz. where to get the best Elementary book for Beginners in the study of Botany?

$$\begin{array}{r} 39 \\ 30 \\ \hline 79 \end{array}$$

$$\begin{array}{r} 193 \\ 35 \\ \hline 128 \end{array}$$

$$\begin{array}{r} 173 \\ 135 \\ \hline 308 \end{array}$$

$$\begin{array}{r} 224 \\ 30 \\ \hline 262 \end{array}$$

$$\begin{array}{r} 97 \\ 301 \\ \hline 299 \end{array}$$

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I recollect that you mentioned, Dr. Gray was engaged on an Elementary book, "First Lessons in Botany," and I promised to inquire when it would probably be ready. I am very desirous this should be introduced in our Public School; and you will add to the obligations already conferred, if you will drop me a line, stating about what time this Elementary book will be out, & when copies may be procured in Philadelphia. I hope the Publisher will hurry it out, & get it into this region while the Spring flowers are on hand. I shall also await, with much interest, the appearance of the new & extended Edition of the Manual. With kindest regards to the Doctor, I remain, my dear Mrs. Gray, most respectfully and affectionately, your aged & obliged
serv. Jane L. Gray,
Cambridge. } friend,
of Darlington

Worst Chester, May 12. 1856.

My dear Sir, Yours of the 9th is just received. I am happy to learn the Portrait of our excellent friend is safe. I was afraid it might have been in the unfortunate Pacific. If you know of no early private conveyance to Philad^a, you may send it by Express, to Parry & W. Millers, corner of 4th & Chestnut Street, where I can soon get it.

A day or two since, I troubled Mr Gray with an inquiry about a promised work of yours, called First Lessons in Botany - if I recollect rightly. I wish to introduce it into our Public School, here, if it may be obtained any time soon.

Trusting soon to see both that, and the new edition of the Manual, I will be brief. Yours gratefully,
W. Darlington

Prof. A. Gray, }
Cambridge. }

87
West-Chester, Pa June 16. 1856.

My dear Sir, In your brief Note of May 9, you informed me that the Portrait of Sir Wm Hooker had come to hand; and enquired whether you should send it to Philad^a by Express, or wait for a private opportunity. In reply, I said, if a private opportunity did not offer soon, you might send it by Express to Parry & Milllan's, corner of 4th & Chestnut St. Philad^a. I have caused inquiry to be made two or three times, at the Bookstore of Parry & Milllan, but it was not there. If it has not yet been sent, I would thank you to send it by Express, as above, (might to be charged) - if it can be carried safely by the Express agents. I am sorry to trouble you, again, on the subject; but am beginning to be a little anxious about its non-appearance - lest it may have been sent, and miscarried. I

I suppose, from what I have heard, that the new Edition of the Manual must be through the press, ere this. As I understand it includes Southern Plants, I am sorry I did not let you know, in time, that as long ago as 1832, I found large quantities of a Plant (naturalized, probably) back of Norfolk in Virginia, - of which it is said in the Flora of North America, vol. 1. p. 432, "Greenland! & Labrador! but not elsewhere detected in N. America." I mean, Alchemilla vulgaris, L. I collected a quantity of it, & on comparison with specimens rec^d. from Sir Wm Hooker, found it to be identical. I always neglected to mention it to you, as I ought to have done. It has no doubt been long naturalized, in that locality, and it ought to be in the Manual, if it embraces Southern Plants. You can make a note of it, for next edition.

Prof. A. Gray, }
Cambridge }

Very truly yours,
Wm Darlington

88
West-Chester, Pa June 21. 1856.

My dear Friend, Your favor of the 18th was received this day. I am glad to learn that the Portrait is safe, & will be forthcoming in due time. I was loth to trouble you about it, again; but was apprehensive it might have miscarried. This must be my excuse.

I hasten now to correct a foolish blunder, in my last, of which I am heartily ashamed. I wrote from a decaying memory, and inadvertently named Alechemilla vulgaris, as the plant I found near Norfolk, Va in 1832. It was the A. arvensis, Scop. or Aphanes arvensis, L. which I meant; and of which it is said, in the Flora of N. America, that you had "seen no American specimens except those in the herbarium of Clayton".

I found it in great quantities, back of Norfolk, on the 15th of May, 1832; no doubt introduced, and completely naturalized. I inclose a sprig or two, of those then collected. I had long intended to mention the circumstance to you; but still forgot it. It is a matter of no consequence: but it is proper, & necessary, that I should correct my mistake, & prevent you from announcing an error, on my authority.

I am very glad the Manual embraces a portion of the South. I wish it contained all in so comprehensive & satisfactory a form.

West-Chester, Novem. 8. 1856.

My dear Friend, I owe you a humble apology, for so long delaying to acknowledge your kindness, in sending me the order for the New Edition of the Manual. I have been promising myself that pleasure, ever since; but have put it off, from day to day, through a tendency to procrastination, which I find grows on me, in spite of myself. The interest which I felt in the Presidential Election (that has resulted so disgracefully for my native State), had also some influence in producing my delay. But as I am only a drop in the great ocean of Humanity, I will now try, as unconcernedly as possible, to let the tide roll on as it lists. The only consolation I find, under the catastrophe, is in the thunder tones of Freedom, as uttered by New England, and especially by glorious Old Massachusetts.

I did receive the order for the Manual; and it was duly honored by the Publisher. I looked through it with great interest, and found it so complete, as far as it goes, that I could not help regretting it did not comprehend the entire Union. I sat down, and wrote a brief and hasty notice of it (I am sadly ineffect, and unsatisfactory, at such things), - which I sent to the Editors of Silliman's Journal, some weeks ago; and which was politely acknowledged by Prof. Dana. If it shall only pass muster, among the bibliographical notices of that Journal, I shall be thankful; and hope some more competent hand will take up the subject, when the Lepous appear. I have also recently received, through the Smithsonian Institution, the Flora Vectensis, from the kind Sister of our dear departed Friend, the Author.

I was very glad to find it edited by such competent hands; and I am sure it ^{will be a} most valuable herborizing companion for the Botanists of that district. He was a very close and minute observer, - as his detailed descriptions and remarks attest.

I will not trespass on your precious time, at present, further than to request you to offer the homage of my affectionate regards to dear Mrs Grey. I trust the Divine, under your direction, will speedily re-establish her health, & restore those bright smiles which are peculiarly hers, - and which flash on my mind's eye, whenever I think of the hospitalities of Cambridge. Very truly, also, do I commend my best respects & esteem to her worshipful help; and am &c.
Prof. A. Gray, Cambridge. *The Darlington*

West-Chester, Pa, Feb 2, 1857.

My dear Sir, A clerical Friend, who is fond of illustrating his theological views by facts and phenomena in nature, lately wrote to me as follows: "Is it true, as a general, or invariable rule, that when the first growth of trees on timber land is cut down, the second growth is different from the first? Is it certain what the second growth will be when the first growth is known? And how is the fact of the different growths explained, or accounted for?"

I could only answer, that I knew it to be a common remark among woodmen, in Pine forests, - and I believe a fact, - that when the Pine timber is cut off, it is succeeded by a growth of oak; but further than that, this Deponent could not say. I could not even refer my friend to any work which treated expressly, and satisfactorily, of the subject. I promised to make some inquiry about it; but do not ^{know} exactly where to look. Have you ever investigated the matter? Has any body written on it? and if so, will you have the goodness to indicate the authorities, to which I may turn for the desired information? Any light.

which you can shed, or point to, calculated to elucidate the obscure topic, will be gratefully received, both by my friend and myself.

I have recently received very cordial Letters from Sir William, and Dr. Hooker, - acknowledging a remittance of Sections of our Forest trees and shrubs - and also a large quantity of Nuts & Seeds of our Forest trees, - which were collected by my indefatigable friend, Joshua Hooper, of this Borough, - boxed up and forwarded by myself. The Sections of trees and shrubs were severally a foot in length, amounting in all to about 150 species; and the Nuts, acorns, and seeds, amounted to several bushels. Sir William writes that they arrived in excellent condition, - and he appears highly gratified with them. The woods are for the Museum, at Kew.

I received, some time since, a copy of Dr. Broomfield's Isle of Wight Flora - kindly presented by his Sister; and I learn from Sir Wm, that a copy of the lamented Doctor's Diary is on its way, through the Smithsonian Instⁿ. How comes on your work for Beginners in Botany? I want to see it in our Common Schools, here.

Reluctant as I am to trouble you, I cannot help hoping to hear from you; and with kindest regards to dears Mrs. G. I beg you to believe me
your oft and greatly obliged Friend,
Wm Darlington

Prof. A. Gray,
Cambridge.

Wegt. Chester, Pa., April 11. 1857.

My dear Friend, Yours of the 8th is just received. A copy of the "First Lessons" reached me, through the polite attention of your friend J. L. James, a few days since, - and I placed it in the hands of one of our most public-spirited School Directors, with instructions to pass it round among his Colleagues, as soon as he had examined it. I think I shall have no difficulty in introducing it into the Schools of this Borough - & also into the most hopeful of those in the County. The publishers (Lison & Plimney) sent me a copy by mail, some time previous; and when I had read it, I sent a brief notice to my Son's paper, in Lancaster, & also another to our Village paper. Yesterday, I directed a Copy of each of those papers to you, & likewise to the Publishers. I am any thing but an Expert at such notices; but the opinion expressed is honest and sincere. If Mrs G. approves of the articles, tell her please to cut them out, & place them in her Scrap-book, - as poor little Keep as keep of her aged Friend.

Dr. Brownfield's Journal was received, about the same time. Very truly, hastily, and sincerely Yours,
 W. Darlington
 Prof. S. Gray, Cambridge.

P. S. I sent a short paragraph, about
the Lessons, to the Rooticullurist - to be
inserted - if he thinks proper - among the
Gossip of the "Editor's table". It may, per-
haps, appear in the May number. —

West. Chester, Pa, June 24. 1857.

My dear Sir, Yours of the 20th inst. inclosing a German Letter, which inquires concerning Doctors Muhlenberg and Kuepfe, came to hand last evening. I think you may find all the information required in Blake's Biographical Dictionary, - and probably also in the Encyclopaedia Americana; both which works are doubtless in the Library at Cambridge. The notice of those worthy men, in Blake (which I have by me), is brief, but meets the questions in the Letter, and I believe is reliable. Lest you should not have access to that Biography, I will recite the principal dates & facts. Henry Muhlenberg^{D. D.} (sometimes written Henry Ernest Muhlenberg - but not in his publications) was born at New Providence, Pennsylvania, November 17. 1753. He was educated at Halle, in Germany. He returned in 1770; was ordained an assistant Pastor of the Lutheran Church in Philadelphia; and in 1780 he removed to Lancaster, to assume the pastoral care of the Lutheran Church, in that place, - where he continued until his death, by apoplexy, May 23. 1815. He was

a man of extensive science, and particularly eminent for his knowledge of Botany. Beside papers in the Transactions of the American Philosophical Society, he was author of a very useful Catalogue of Native & Naturalized Plants of North America, published in 1813. Also, of a Descriptio Uerberi Gramineum, et Plantarum Calamariarum Americae Septentrionalis, - edited by his son in 1817.

He also left in M.S. a Flora Lancastriensis, which has not been published. He enjoyed a correspondence with many distinguished cultivators of Natural Science, and was a member of several learned Societies, at home and abroad. See the Descriptio Uerberi.

In Blake's Dictionary you will find a brief, but very good notice of Dr. Mush. He was born near Bristol, Penn^a, January 5. 1745. He studied medicine with Doctor John Redman, of Philad^a, & completed his studies at Edinburgh & London. He was one of the Fathers of the Medical School in the University of Penn^a, in 1769 - being first appointed Professor of Chemistry; & in 1789 Prof. of the Theory & Practice of medicine: in 1791 of the Institutes of Medicine & Clinical practice. He died, April 18. 1813.

Benjamin Mush, M. D. L. L. D. was one of the

Signers of the Declaration of Independence; held a high position in the Medical Department of the Revolutionary Army; and was the author of many able Essays on medical topics. I have his signature to my Diploma, of M. D. in 1804. -

(which is herewith returned)
As the German Letter wishes the titles of those Gentlemen, I may as well cite those of Mühlberg, as given by his son, in the Descriptio Graminum; viz. "Societ. Physic. Gotting. - Berolinensis Imperialis Naturali Curiosorum - Phys. - togr. Gotting. Physiogr. Lund. - Americ. Philosoph. etc. membro". -

If you have access to Blake's Dictionary - all this, & more, you will find there. If not, I hope this hasty Sketch may serve the purpose. With affectionate respects to Mrs Gray, & hoping to hear from you more at length - if you ever have that much leisure, - I am very truly yours,
Prof. A. Gray, }
Cambridge }
Wm Darlington

West-Chester, Pa., Aug. 10. 1857.

My dear Friend, A few years since - I do not recollect exactly how long - I subscribed for, I think, one hundred specimens of Australian Algae, to be collected by Prof. Harvey, I am under the impression the Prospectus came from you; & I subscribed for the purpose of procuring the specimens for our Cabinet Herbarium. Last week, I received a package, marked as containing 255 species, and the sum of 5 £ 14 s 9 put down, I presume, as the price. I have been expecting every day to get a letter, or some explanation as to whence they came, & to whom, & how, I can remit the money. Receiving nothing of the kind, I am induced to trouble you for some information; for unless you can explain, I know not where to apply. If the price should be sent direct to Prof. H. at Dublin, I can do it conveniently, - for our Bank is sending remittances, frequently, to Ireland. If you (or any other person, in this Country) are authorized to make the collection, I will have it

attended to, promptly. The specimens
are in good condition, & very interesting—
many of them very beautiful: and
although there are considerably more,
than I think I bespoke, I am never-
theless glad to have them, for our collection.

Hoping you may be able to throw
some light on the affair, — or, at least,
to put me in the way of obtaining
the requisite information, I am,

Dear Sir, with best love & respects to Mrs. G.

your obt. obliged friend,

Wm. Darlington

Prof. A. Gray, }
Cambridge. }

West-Chester, Pa June 21, 1858.

My dear Friend,

Yours of the 17th inst. is just received; and I hasten briefly to say, that I shall forthwith despatch Wallich's Tomtamen by Express, - as the most certain, convenient, & expeditious mode of conveyance. You can retain the work just as long as you may have occasion for it; & then send it to some Bookseller in Philad^a, when opportunity offers. I am rather proud that I happen to be able to lend you something a little rare. The book was a Present from Wallich, thirty years ago.

I have not written to you, lately; and a principal reason was, that I really had nothing to say. I begin to discover, in myself, a growing tendency to procrastinate Correspondence, when not immediately demanded.

J

I have by me, now, a charming, ^{from} unanswered Letter ~~of~~ dear Mrs. Gray, dated as far back as the 1st. of February! I blush to confess it; but I was waiting to catch myself in a propitious state of mind, - so that I might make myself agreeable to her. I do not yet wholly despair; though I find myself, under the pressure of age, (to adopt a slang phrase), "getting no better, fast". It is my intention, some of these days - if nothing adverse happens - to pay my respects to the dear Lady, in as becoming style as I may.

In the mean time, be so good as to present my compliments; & tell her, that I am happy in the belief, she will always be disposed to permit the recollection of her aged Friend to nestle among her pleasant reminiscences.

I have had the pleasure to receive, from the publishers, a copy of your last work, for the benefit of the young Beginners, in the study of Plants.

It is, indeed, an admirable aid; and might be justly intitled "Botany made easy". I cannot but marvel, when I contemplate the helps now afforded to Students - compared with those we had when I was young. There can be no excuse for ignorance, hereafter.

The tidings from the Rector of our Science make me feel a little sad, - to think so much knowledge must be extinguished, as to us:

But we should rather be thankful that he has been spared to us so long.

I have a very ^{fine} Portrait of him, in my Botanical Gallery (in my Library), sent to me by the excellent Broomfield.

Being myself a humble Plebeian, I never ventured to address him, who was "facile Princeps Botanicorum"; yet I always regarded him with the reverence due to his conceded rank.

Very truly, yours,

Prof. A. Gray,
Cambridge.

W. Darlington

uneasy under a statement that I had taken on trust; and was really glad when I ascertained its correctness. You may safely say, in the next edition of the Manual, that *Sagittaria variabilis*, Engelm. is often tuberiferous. -

Please remember me most affectionately to dear Mrs. Gray; and believe me truly your obliged and grateful friend,
Wm. Darlington

Prof. A. Gray, }
Cambridge. }

P.S. Since the above was written, I have rec^d a letter from my friend Edward Sattell, of Wilmington, Del. who has been exploring *Sagittaria* for me. He says, he finds tubers "at the extremities of subterranean or rather subaqueous runners, some of which are three feet long, and quite brittle." He saw no tubers on "plants which grow in stiff or dryish soil;" but even on them he saw "evidence of the fact in the young stolones." Those tubers he obtained, were from specimens "growing in soft mud, in ditches", - which agrees exactly with my own observation. He found the "tubers of various sizes, from that of a Silbert to that of a Shell-bark." - W. D.

West-Chester, Pa, Sept. 20. 1858.

My dear Sir, I duly received Dr. Booth's magnificent Present, after my friends in Germantown & Philad^a had gratified their curiosity & wonder, in looking at it; and I have acknowledged it to the Doctor. My only regret is, that it does not contain all our species of *Carex*; and that I shall never be quite ready for my reue demittis, while the continuation of such noble works are in expectancy. Still, I hope he will be enabled to make it a complete monograph of the Genus, - even though I shall not be permitted to remain & behold it. The leaves from Silliman, which accompanied Dr. B's great work, mention Anderson's Memoir on our *Salices*; & that 36 cents worth of Postage stamps will procure a copy. I therefore inclose a dozen stamps, herewith, - & shall be obliged, if you will cause a copy of the memoir to be sent to me.

Many years ago, a resident of this place brought to me some tubers, which he told me he found attached to the roots of our Sagittaria, that grew in a swamp on his lot. I mentioned the fact, of the plant bearing tubers, in my Florula, published in 1826, ^{also} in the subsequent Editions: But finding that no Botanist, except Kalm, sustained the statement, I began to doubt its accuracy, and requested some of my friends to help me verify, or refute it. Mr. James's friend Lanning, of Trenton, lately confirmed it; and a few days since, I had the gratification to verify it, myself. On the muddy soft margin of a rivulet, in this Borough, I found a bunch of Sagittaria, - & carefully pulling it up, there came, with the roots, two fine tubers, about the size of common Plump. They were not attached to the true roots, which are coarse fibres; but were at the extremity of white rhizomas, several inches in length, & as thick

as goose quills. There were four of these rhizoma-like branches, proceeding from the crown of the roots, or base of the petioles & scape; and two of them were apparently younger, & shorter, - not yet producing tubers. The other two bore ^{each a} tuber at the extremity, ^{after the manner of Solanum tuberosum,} & the tubers had the appearance of buds, or sprouts, at the farther side, as if preparing to send up new leaves, & scapes, next year. My friend, J. Hoopes, went in search of further evidence, & found specimens with rhizomas near a foot long, with small tubers at the extremity. Those first brought to me, more than 40 years since, were nearly the size of pullets' eggs. Kalm says they are sometimes as big as a man's fist. - You will, I am sure, excuse this long yarn. I have such an aversion for falsehoods in Natural History, that I felt uneasy

West-Chester, Pa, October 4. 1858.

My dear Sir, Your favor of the 27th ult. with the printed sheets, came duly to hand, and found ^{me} considerably "under the weather." A few days since, I was rather suddenly and unaccountably attacked by symptoms which bore a marvellous resemblance to my idea of an incipient case of Asiatic Cholera. Every lymphatic in my system seemed in a conspiracy to empty themselves, all at once, into my bowels, - while the hepatic functions were entirely suspended. However, a little timely & judicious treatment soon changed the order of affairs; and I feel, now, as if I were undoubtedly convalescent. But I am left so feeble, that I regard my condition as an unmistakable indication that I have no right to calculate on being much longer extant. My stock of vital energies is too much exhausted, by the drain of seventy six years, to resist the attacks, or recuperate under the effects, of any thing like serious disease.

spelling of *Buffonia*, in a spirit of ill will, is noticed. I know nothing on that head; but it reminded me of one of the many anecdotes which my old Botanical master (Prof. B.S. Barton) was fond of telling to his Class, more than half a century ago. I recollect his stating to us, one day, that *Linnaeus* had a poor opinion of *Buffon's* Botanical pretensions, and was apt to impose names on plants indicative of his opinions. He considered *Buffon* as a slender Botanist; & on that ground named a slender plant *Buffonia tenuis*! I do not find a species of that name in my books; but there is a *tenuifolia*. Prof. B. told us several gossip stories of similar import, to amuse us. They may not always have been authentic, or quite accurate. For instance, he told us, *Lady Mongone*, who had some Botanical pretensions, offended *Linnaeus*; & he named a species of *Clitoria*, *Mongonice*, - in allusion to an alleged monstrosity of that organ, in the *Lady*. A most ungallant act - which I hope is not true, I find no such specific name to the genus. But he had another story about *Sir John Hill* - a noted parasite of *Lord Bute*, & the Court, who affected Botanical knowledge, & wrote much. *Linnaeus* disliked him, and actually named a plant *Hillia parasitica*, in allusion ^{as was alleged} to his habits. I hope you will excuse such long yarns, from a valetudinarian, who writes partly to pass the time, - not yet venturing out. Love to Mrs G.

Prof. A. Gray }
Truly yours,
Wm Darlington

Yet while I am able to acknowledge
your kind favors, you may rest
assured I shall do so, with all
possible punctuality.

I am glad I sent you the notice
of the Sagittaria tuberosa, - especially if
the fact was new to you: and also
that you direct Dr. Engelmann's attention
to the subject. I take him to be a first
rate Observer of facts in Natural History;
and he may find strong confirmation of
that feature, in Western Specimens.

Has he any work on hand, which em-
braces the Sagittaria? I understand
he is engaged on something like a
monograph of the Euphorbias. Is it so?
And if so, - when, where, & how is it to be
published? I consider it almost as formida-
ble a Genus as the Willows; and a good
monograph would be most acceptable
to the Botanists. Speaking of the Willows,
it occurs to me, that if Mr. Anderson
could give that Genus in similar style
to Dr. Booth's Carex, it would be ^{an} enduring
monument to his fame, and an invaluable
help to Students in all future time.

Even a monograph of the North
American Willows - illustrated in
the Boothian Style - would be a treasure
for our young Botanists. I learned,
somehow, a number of years since, that
Dr. Barratt was working at a monograph
of our Willows. Has he abandoned the idea?

You ask for a reference to Kalm's notice
of the Sagittaria tuberosa. You will find it
in Forster's Translation of Kalm's Travels, Vol. 2.
page 96-7. I have referred to it, in the last
edition of Fl. Coburg, p. 305. While I was prepar-
ing that edition, I took the trouble to read
Kalm, a second time, in order to extract
^{any} of his remarks on our plants, that seemed
intitled to notice. That occurred to me as
one, - inasmuch as it corroborated what I
had stated in my Flora, in 1826, Kalm also
noticed the tubers of Apios, in or near the same
page; & I am ashamed to say, I never took the
trouble to look for them; but took the statement
for granted, - as I did in the case of the
Sagittaria tuberosa, - which an old man had
 dug, or pulled up, and brought to me, near
half a century since. - p. 283.
I observe in the sheet of "Scientific Intelligence"
the question whether Linnaeus altered the
spelling

West-Chester, Pa., June 10, 1859.

My dear Sir,

I ask permission to trouble you, for a moment. I will be as brief as possible. A charming young Lady friend, who resides on the North side of this State, near the New York line, has sent to me a small specimen of an Exotic, from a Conservatory, where it has been nameless for a number of years. She desires to have its name, and thinks, because I have given her the names of several indigenous specimens, I ought to be able to name this. But I do not recognize it. If you are familiar enough with it, to name it, - you will oblige both her and me, by sending me the name, along with the specimen. Pray excuse the annoyance; and with my affectionate regards to Mrs. G. - believe me, truly, your troublesome & obliged Friend,
 Prof. A. Gray, recd. W. Darlington
 I. S. I hear the name of Prof. Agassiz continually pronounced so differently, I wish you would indicate the true pronunciation, by marking the accented syllable. W. D.

W^{est}. Chester, Pa July 21, 1859.

My dear Friend,

As you protested, in your
 last, against my talking about trouble,
 in my communications, I am going
 now to give you a little of the article
 without any of the requisite apology.
 I will be as brief as possible. I
 have a very kind friend in the Army,
 who is really desirous to gratify me
 by sending me specimens of Plants.
 His name is John Wolcott Phelps.
 He is a Captain in the 4th Regiment
 of Artillery, stationed at Camp Floyd,
 in Utah Territory, among the Mormons.
 He is not a Botanist; but takes great
 interest in collecting such plants
 as attract his notice. He has sent
 to me about half a hundred speci-
 mens, and has put them up in a
 curious style, as you will perceive.
 If you are acquainted with them,
 or can make them out without too
 much

much trouble, I shall be very glad to have their names, - and then hunt up their history, if published. I have numbered the specimens, and sent with them a list of the numbers: so that if you recognize them, you can just insert the name opposite the number - and then return the parcel, ^{with the list,} to me, by the Express. Be sure & let the parcel come, without being paid in advance. The agent, here, has promised so to bring it to me. If you find any thing new, or interesting, in the collection, take it out, at once, and keep it for your own herbarium, until you get better ones. I shall be very glad - and so will Capt. Phelps - if there should happen to be any thing of interest in the Parcel. I suppose you may be taking a jeant, for recreation, at this season; but the parcel

can

can afford to wait your return and convenience. With kindest and most affectionate regards to Dear Mrs. Gray, believe me truly your deeply & oft-obliged Friend,
Wm. Darlington

Prof. A. Gray, }
Cambridge. }

P.S. I wish some competent hand would give an account (review) of Prof. Agassiz's late work on the Classification of Plants, of which he has honored me with a copy. Being in Latin and I uneducated - you will readily understand that it is somewhat of a sealed book, to me.
W. D.

99
West- Chester, Pa., Nov. 15. 1859.

My dear Friend,
You may recollect, that some time since, I sent to you a parcel, containing curiously arranged specimens of Plants, from the Mormon country, which had been collected and forwarded by my worthy friend, Capt. Phelps, of the U.S. Army. The Captain has recently called on me - being on a visit to his Brother-in-Law, the Hon. John Hickman, our Member of Congress, - and he brought for me (as I had requested) some seeds of plants which he met with, in that remote region. I told him, that as I had now no garden, and was not skilled in that kind of culture, the seeds had better be sent to you, at the Cambridge Garden, - where they could probably be more successfully managed. He seemed flattered by the suggestion; and accordingly has put up several parcels

parcels, in envelopes franked by Mr. Hickman, - which I shall direct to you, to go by mail; and I shall send this note in one of them. I have no knowledge of the character of the plants represented by these seeds; but if they should grow under your eyes, they may possibly interest you. I propose to send four of the envelopes, today; and intend to send the residue (three others) in a day or two. In one of them, he tells me, he has put a bulb of Calochortus luteus. Whether or not the bulb may vegetate, can only be tested by experiment.

The Captain has resigned his Commission (having, I believe, left the service in disgust, after waiting for a quarter of a century in an irksome duty), - and proceeds to his native State, Vermont, at or near Brattleborough, with the view there to reside.

He

He talks of engaging in the business of keeping a nursery of useful and ornamental Trees, and Shrubs, in Vermont. He has an idea that he could give two or three Lectures on the Utah Country, where he was stationed with the Army (particularly on the Meteorology of that region), that might interest a Boston audience. I told him I could say nothing about the probabilities, before the Boston folks; but he imagined ^{furnish some idea,} you could. I said I would make him known to you, in this way, - so that he might call on you, and introduce himself, on the strength of his remittance, and his acquaintance with me.

He is a plain, rather unpolished man, but shrewd, sensible, and a careful, intelligent observer of men and things. If he calls, any useful suggestions on your part will oblige him, & yours truly,

Prof. A. Gray,

Cambridge

Wm. Darlington

West-Chester, Pa, Nov. 16. 1859.

My dear Friend, I now send the additional instalment, promised in my last, of the seeds &c. collected by my good friend, Captain Phelps. I shall be happy to learn that they have reached you in safety, & hope they may so vegetate, under your auspices, as to prove interesting. I took the liberty, in my other note, to suggest that I thought the Fradescantia pilosa, & the T. flexuosa, were distinct species. I should like you to ascertain the correctness of my opinion, before the next edition of the Manual. By the way, I wish you could give us an edition of the Manual in two small volumes, which should include all the known plants in the United States. Although I cannot expect to see such an edition, I am sure it would be

be a most valuable hand-book
for American Botanists; and I
think, with the materials now within
your reach, you could render it a
very acceptable performance. By
putting it in small type - something
like Persoon's Synopsis - it would not
be inconveniently bulky; and would
be such a comfort to all herborizing
Brethren! It would serve an excellent
purpose, until the Flores of N. America
could be completed. If I were only
forty or fifty years younger, I should
urge you, vehemently, to undertake
it: yet I am very willing those
who come after me should enjoy it.

With my kindest regards to
yourself - and best love to dear Mrs G -
I remain, curren'te Calamo,

most truly yours,

Wm. D. Sillington

Prof. A. Gray,
Cambridge, Mass.

West. Chester, Pa., Decem. 10, 1860.

My dear Friend,

This day, your brief favor of the 5th inst. inclosing a still briefer one from Dr. Boott, announcing the 2nd Part of his magnificent work on Carex, came to hand; thus placing me under a most profound - not to say humiliating - sense of his kindness, in view of my utter inability to reciprocate, or even adequately to acknowledge, such generosity. I shall endeavor, at an early day, to make known to the Doctor, a portion of my feelings, on the occasion. In the mean time, to relieve you of the charge of the volume, I think it would be best to have it securely wrapped in strong paper, and despatched to me by Adams's Express, - which comes daily to this place.

You speak of not hearing from me. The fact is, I know you are always busy, - though I don't exactly know what at; and I have got so far in my dotage, that I have nothing to say, worth saying, - in which case, my saying must necessarily be an annoying interruption.

If you should happen, any time soon, to have
as

as much leisure as would allow you to post me,
a little, on the passing events in the Botanical
world, I should be highly gratified. I say
"any time soon", - because any thing intended for
one as near four score, as I am, will have to
come pretty "soon", if it is to reach me.

Yet, old as I am, I am not so far gone, as to
be insensible to the "good wishes" of Mr. Gray,
and yourself, in reference to the approaching
season. It gives me inexpressible pleasure
to be thus remembered, by the dear Lady: and,
as you do not mention the state of her
health, I would fain hope it is better than
when you last spoke of it.

With my affectionate regards to you both,
believe me most truly your old Friend,
Wm. Darlington

Prof. A. Gray, Cambridge.

P.S. If you should favor me with such a
missive, as I have above hinted at, - I wish
you would tell me what Dr. Chapman, in his
Southern Flora, has done with the little bushy
plant

plant, found in Florida, by Wm. Bartram,
which he called Satureja rigida; and which
is described by Bentham, in his Labiatae.

I cannot find it, under any name, in
Dr. Chapman's work. Dr. Baldwin collected
it in Florida, and gave me specimens.
He proposed to call it Darlingtonia, - as
you may see in his Correspondence with
me. Perhaps I mentioned this plant, as
overlooked by Chapman, in some former
Letter to you; but I cannot rely on my
memory. I had some curiosity to know
what has been done with the plant, - and
that is the reason for thus troubling you.

Adieu, W. D.

West-Chester, Pa., March 6. 1861.

My dear Friend,

Yours of the 2nd inst. reached me today. Young Mr. Rothrock called on me, recently, - introduced by a connection of this place, R. J. Meconkey, who, with his brother, is now a student at Harvard. David Meconkey Esq. is one of our rich private Bankers, here; and he assures me that Dr. Rothrock, the father of your Pupil, is a very respectable, & responsible man; so that you may rest entirely easy, on that score. I had but a hasty interview with young Mr. Rothrock, - as he was on his way to the Car-office, to leave in a few minutes; but I was pleased with his bright face, and prompt, earnest manner. He thinks he shall like Botany; and I told him, if he attended properly to your instructions, and then went

across

across the great West, with some
suitable Surveying or Exploring
Party, he would be very apt to find
some plant belonging to the Genus
Rothrockia. Such an Excursion he
thought would suit him, exactly;
and so we parted. I am well
satisfied with the account Mr.
Mcconkey gave of his family; and
I may add, that I went to School,
many a day, with young Rothrock's
Grandmother. She was a member of
one of most wealthy & respectable
families, in this region. I shall
be glad to learn that the Youth
flourishes adequately at old Harvard.

It grieves me to hear of the continued
ill health, of dear Mrs. Gray. Do tell
me, as soon as you can, that she is
improving; and assure her of the
affectionate regards of her and your
Prof. A. Gray, } aged friend, Wm. Darlington
Cambridge. }

West-Chester, Pa., May 31, 1862.

My dear Sir,

I have recently received the sheets from Silliman's Journal, containing the Botanical Notices, sent as usual by you, - for which I feel much indebted, as they keep me tolerably well posted, in that department of scientific news. A few days since, I also received the late Proceedings of the Philadelphia Academy of Natural Sciences, directed by a hand which I did not recognize, and do not know to whom I am indebted for them. I soon perceived your Notes upon our friend Buckley's description of New Plants from Texas; and was struck by your fearful and crushing Critique, or Exposé, of his new Genera and Species. I took a lively interest in his new Genus, dedicated to my faithful and devoted Friend, Joshua Cooper; and am very sorry it does not prove to be well founded. I wish Mr. Buckley had taken the precaution to submit his proposed new Genera to you, before publishing them; and thus avoided the mortification of the failure, -

and

and prevented my disappointment.

Joshua Hoopes is a very close observer, and is more intimately acquainted with the forest trees of this district of Country, than any person I know; and hence I should have been delighted to see an arborescent Genus dedicated to him. As this first attempt has proved a failure, I cannot expect, at my age (now on the shady side of four score), to see a Koopesia, in the Woodlands: But I will add, that if you should happen to meet with an American Tree, or Shrub, on which it would suit to establish a new Genus, I should rejoice in the anticipation that it might bear the name of my worthy Friend. With affectionate regards to dear Mrs. Gray, believe me, very truly, your octogenarian Friend,
Wm. Darlington.

Prof. A. Gray, Cambridge, Mass.

P.S. I am happy in the belief, that my young Penn^a-Friend, J. S. Rothrock, at Cambridge, has the materials in him, to make a good Botanist. Please convey to him my best respects. W. D. ▼

taken a copy of the greater portion, in order to increase the chance for their preservation - and, if thought expedient, some day, to have them published, as illustrative of the character and labors of W. M. and his correspondents, and of the times in which they lived. I had scarcely got through with transcribing the Marshall papers, when I was most unexpectedly put in possession of the entire Correspondence (so far as preserved) of John Bartram, and his Botanical Contemporaries! Here was a quarry to work in - for one so passionately fond of old original letters, - and those, too, on my favorite topic - and written by men, too, whom I have been in the habit of revering, as the Fathers of Botany, for almost half a century! The papers are numerous (about 400 letters) - old, of course - stained, tender, and many of them mutilated. They look as if they might have been kept, for a century, in a damp smoke house!

Parts of some, are quite illegible, - and many are so obscured, by fading, and staining, that it would require a second Cham-pollion to decipher them. Nevertheless, I am hard at it.

I cannot think of losing so glorious a chance, to procure and preserve copies of the letters received by the first Botanist in Pennsylvania, and the founder of the first Botanic Garden in the Country. It will probably require all my leisure, for the ensuing year, to get through with them; but if I live, and have luck, I mean to do it. I will transcribe every thing which interests me, - and leave you, and other friends, to prove and condense, afterwards. The last of John Bartram's lineal dependants, now left, is an elderly lady; and if these papers are not secured by some permanent Society (as I have advised), they will undoubtedly be soon lost, after her decease. Hence my anxiety to improve the present opportunity to secure a copy of such ^{as} are yet preserved, and legible.

It is really astonishing to reflect on the labors performed, and correspondence carried on, by John Bartram - as proved by these papers: and the most remarkable of all his correspondents, was good old Peter Collinson, the Dutch dealer in Broadclothes. I have upwards of 150 of Peter's letters to John - most of them of great length - and all exceedingly free, spirited, & colloquial, in their style: yet a large number are evidently missing. What is further remarkable, under the circumstances, is, that John Bartram seems to have been in the practice of keeping copies

copies of his own Letters - although rather illiterate, - at least, an uneducated man. But he was intelligent, ingenious, and inquisitive - and, withal, most commendably persevering. I have a considerable number of his rough sketches to his correspondents, which I shall copy.

To give you an idea of the persons with whom Jos. Bartram kept up an Epistolary intercourse, I will mention some of the more distinguished names. Beside F. Collinson - who was his principal correspondent, - there were James Logan, Dillenius, Catesby, Sir Hans Sloane, Dr. Fothergill, Colden, Gronovius, John Mitchell, Kalm, Linnaeus (whose letters, unfortunately, are missing - but there ^{are} a few of John's to him), Phil. Miller, Clayton, Gardner, Solander, Hope, &c. &c.

If I should be so fortunate as to get successfully through with my task, - and you should not be deterred, by the magnitude of the Manuscript - I intend to give you a chance to look at the contents. I like such old documents, - because they afford such a lively and accurate idea of the views, and operations, of the men of that day - and of the difficulties with which they had to contend.

These papers present a good picture of the condition of our Country, a century since - of the state of Botanical Science, both here and in Europe - and of the indomitable zeal with which the Pioneers of Botany, in this hemisphere, prosecuted their researches. I suppose but few of this office-hunting, money-getting generation, will sympathize with my tastes, on this head; but I can't help that.

I flatter myself you will take some interest in the matter, because you have already manifested a predilection that way; and I shall hope to hear from you, at some length, as soon as your engagements will any how permit.

I have run over at such an unconscionable rate, that I must now abruptly conclude - with my best respects to Mrs G. with whom I should be proud to make a personal acquaintance. Very truly, your old friend,

Wm Darlington.

Prof. A. Gray,
Cambridge, Mass.

I don't think you need trouble Dr. Booth, or yourself, to get any of John Bartram's Letters to his English Correspondents. I suspect it will be universally admitted, if I live to get through with my present undertaking, that quarantaine suff. of the Letters of honest John & his Correspondents, have been rescued from the jaws of oblivion: for I think I can truly say, that I have snatched some of them "ex ipsis Orci faucibus!"

I doubt whether any Antiquarian Virtuoso, amongst us, would have taken the pains ^{to decipher} some of the old Manuscripts, which I have copied, when I get through, you, & Mr. Sparks, & other friends, - who may choose to take a survey of my labors - shall have the opportunity. My apprehensions now are, that you will all be deterred by their fearful volume.

I have some anxiety lest you should be tempted to over-work yourself - & thus defeat the very object of your eager exertions. Remember the fate of Poor De Candolle - who, there is reason to believe, sacrificed his life among the Compositae.

I have had three Letters from Dr. Brownfield, this year. I perceive, by the London Journal of Botany, that he is excessively polite & flattering to "our Village!" He is going to send up some valuable specimens of English Birds, & rare plants.

I wish in my heart, I could make you a visit, now you are happily fixed: but I fear it may not be.

Please make my respectful salutations acceptable to Mrs E. and believe me your old & deeply indebted friend,
 Wm Darlington
 Prof. A. Gray, Cambridge.

PAID 10

Prof. A. Gray,
Cambridge
near Boston,
Massachusetts

1864

