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### **Asa Gray correspondence**

[1839-1890]

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### **Senders Gr-Gu (1839-1890):**

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Page(s): Feb. 27, 1873, Page [1], Feb. 27, 1873, Page [2], Oct. 10, 1873, Page [1], Oct. 10, 1873, Page [2], July 4, 1851, Page [1], July 4, 1851, Page [2], July 4, 1851, Page [3], Mar. 11, 1852, Page [1], Mar. 11, 1852, Page [2], Mar. 11, 1852, Page [3], Mar. 24, 1852, Page [1], Mar. 24, 1852, Page [2], Apr. 5, 1852, Page [1], May 17, 1852, Page [1], May 17, 1852, Page [2], May 17, 1852, Page [3], Aug. 1, 1852, Page [1], Aug. 1, 1852, Page [2], Jan. 17, 1853, Page [1], Jan. 17, 1853, Page [2], Jan. 17, 1853, Page [3], Mar. 8, 1853, Page [1], Mar. 8, 1853, Page [2], Mar. 14, 1853, Page [1], Mar. 14, 1853, Page [2], Mar. 14, 1853, Page [3], Apr. 13, 1853, Page [1], Apr. 13, 1853, Page [2], Apr. 13, 1853, Page [3], Jan. 15, 1840, Page [1], Jan. 15, 1840, Page [2], Jan. 15, 1840, Page [3], Oct. 27, 1890, Page [1], July 23, 1881, Page [1], July 23, 1881, Page [2], Sept. 21, 1881, Page [1], Sept. 21, 1881, Page [2], Oct. 4, 1881, Page [1], Oct. 4, 1881, Page [2], Oct. 16, Page [1], Oct. 16, Page [2], May 30, 1880, Page [1], May 30, 1880, Page [2], Apr. 12, 1860, Page [1], Apr. 12, 1860, Page [2], Apr. 12, 1860, Page [3], Apr. 12, 1860, Page [4], May 15, 1860, Page [1], May 15, 1860, Page [2], May 2, 1866, Page [1], May 2, 1866, Page [2], June 9, 1866, Page [1], June 9, 1866, Page [2], June 9, 1866, Page [3], June 9, 1866, Page [4], June 9, 1866, Page [5], June 9, 1866, Page [6], Sept. 22, 1866, Page [1], Sept. 22, 1866, Page [2], Sept. 30, 1869, Page [1], Sept. 30, 1869, Page [2], Oct. 7, 1869, Page [1], Apr. 7, 1858, Page [1], Apr. 7, 1858, Page [2], Apr. 28, 1858, Page [1], Apr. 28, 1858, Page [2], Dec. 8, 1858, Page [1], Dec. 8, 1858, Page [2], July 2, 1859, Page [1], July 2, 1859, Page [2], July 31, 1884, Page [1], July 31, 1884, Page [2], Feb. 13, 1885, Page [1], Feb. 13, 1885, Page [2], May 21, 1885, Page [1], May 21, 1885, Page [2], May 25, 1885, Page [1], May 25, 1885,

Page [2], June 2, 1885, Page [1], Sept. 15, 1858, Page [1], Sept. 15, 1858, Page [2], Nov. 30, 1841, Page [1], Nov. 30, 1841, Page [2], Nov. 30, 1841, Page [3], Dec. 24, 1841, Page [1], Dec. 24, 1841, Page [2], Dec. 24, 1841, Page [3], July 19, 1842, Page [1], July 19, 1842, Page [2], July 19, 1842, Page [3], Apr. 9, Page [1], Apr. 9, Page [2], May 4, Page [1], Nov. 10, 1882, Page [1], Nov. 10, 1882, Page [2], Sept. 1, 1890, Page [1], undated, Page [1], Nov. 11, [1882], Page [1], Nov. 11, [1882], Page [2], Mar. 2, 1889, Page [1], Mar. 2, 1889, Page [2], Jan. 15, 1839, Page [1], Jan. 15, 1839, Page [2], Jan. 26, 1839, Page [1], Jan. 26, 1839, Page [2], Jan. 26, 1839, Page [3], Apr. 5, 1851, Page [1], Apr. 5, 1851, Page [2], Aug. 11, 1853, Page [1], Aug. 11, 1853, Page [2], Jan. 4, 1854, Page [1], Jan. 4, 1854, Page [2], Oct. 15, 1854, Page [1], Oct. 15, 1854, Page [2], June 11, 1857, Page [1], June 11, 1857, Page [2], July 25, 1857, Page [1], July 25, 1857, Page [2], Oct. 20, 1857, Page [1], Oct. 20, 1857, Page [2], Dec. 10, 1857, Page [1], Dec. 10, 1857, Page [2], Dec. 23, 1857, Page [1], Dec. 23, 1857, Page [2], Feb. 17, 1858, Page [1], Feb. 17, 1858, Page [2], Aug. 12, 1858, Page [1], Aug. 12, 1858, Page [2], Feb. 13, 1859, Page [1], Feb. 13, 1859, Page [2], May 21, 1860, Page [1], May 21, 1860, Page [2], Sept. 24, 1860, Page [1], Sept. 24, 1860, Page [2], Oct. 3, 1860, Page [1], Dec. 31, 1860, Page [1], Dec. 31, 1860, Page [2], Mar. 16, 1861, Page [1], Mar. 16, 1861, Page [2], Aug. 13, 1861, Page [1], Aug. 13, 1861, Page [2], Dec. 23, 1861, Page [1], Dec. 23, 1861, Page [2], May 9, 1862, Page [1], May 9, 1862, Page [2], Sept. 10, 1862, Page [1], Sept. 10, 1862, Page [2], Dec. 22, 1862, Page [1], Dec. 22, 1862, Page [2], Dec. 22, 1862, Page [1], Dec. 22, 1862, Page [2], May 20, 1863, Page [1], May 20, 1863, Page [2], Nov. 23, 1863, Page [1], Nov. 23, 1863, Page [2], Aug. 12, 1864, Page [1], Feb. 20, 1865, Page [1], Feb. 20, 1865, Page [2], Apr. 7, 1865, Page [1], Apr. 7, 1865, Page [2], May 31, 1865, Page [1], May 31, 1865, Page [2], June 15, 1865, Page [1], June 15, 1865, Page [2], Aug. 13, 1865, Page [1], Aug. 13, 1865, Page [2], Feb. 21, 1866, Page [1], Feb. 21, 1866, Page [2], Apr. 22, 1866, Page [1], Apr. 22, 1866, Page [2], July 9, 1866, Page [1], July 9, 1866, Page [2], Feb. 11, 1867, Page [1], Feb. 11, 1867, Page [2], Oct. 23, 1868, Page [1], Oct. 23, 1868, Page [2], Mar. 12, 1872, Page [1], Mar. 12, 1872, Page [2], Nov. 22, 1856, Page [1], Nov. 22, 1856, Page [2], Dec. 2, 1856, Page [1], Dec. 8, 1856, Page [1], Dec. 8, 1856, Page [2], June 18, 1850, Page [1], June 18, 1850, Page [2], Mar. 30, [1855], Page [1], Mar. 30, [1855], Page [2], Feb. 6, 1856, Page [1], Feb. 6, 1856, Page [2], June 14, 1856, Page [1], June 14, 1856, Page [2], May 27, 1858, Page [1], May 27, 1858, Page [2], Apr. 20, 1860, Page [1], Apr. 20, 1860, Page [2], May 24, [1860], Page [1], May 24, [1860], Page [2], Feb. 13, 1861, Page [1], Feb. 13, 1861, Page [2]

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Sarracenia  
Observations no.  
B.F.  
Grady

Clinton, N.C., Feb. 27, 1873.

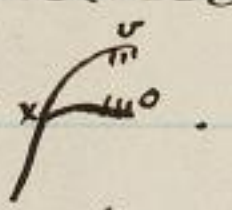
Prof. Asa Gray,  
Cambridge, Mass.:

Sir. It had long been a question with me, what was the function of the tube and umbrella of the Trumpet (*Sarracenia*)? and a vain search in the few books at my command, induced me to make an investigation.

My discoveries so gratifying to me, may be equally so to you, if they are new.

1. Why were quantities of insects, bugs &c. in the bottoms of the tubes? To supply nourishment to a worm found in all the Trumpets — the same as swims in the water in the Pitcher. He is nearly transparent, except his viscera, and, no doubt, develops into a higher organization.
2. Why didn't these prisoners crawl out and escape? Because the tube is too smooth to be climbed even at an angle of 45°, except the upper third which is so bearded as to prevent the ascent of large bugs.
3. What was the duty of the umbrella? To prevent its raining into the tube with two evil results: the dilution of the worm's food and the crushing down of the Trumpet, *vi et gravitate*. This contrivance is a semi-funnel admirably adapted to its use.
4. What attracted the insects &c.? A saccharine secretion on the nether surface of the umbrella!
5. Why did they fall in? Because this secretion intoxicated them!

It took me a week to ascertain all these facts. I then dug up and brought home a dozen large Trumpets, and placed them in a room, and they pleased and instructed the household. The flies soon crowded the saccharine surface with the results of reeling and tumbling and vain efforts at recovery, until one or two Trumpets were full up to the brim, and the flies crawled out on one another. — As a fly trap, the Trumpet is much more destructive than the *Dioma Muscipula*.

We have many curiosities in our woods; but I have no time to study them. There is for instance a flower standing on a straight stem of 12 or 18 inches, shaped thus: .  $\overset{v}{\curvearrowright}$  are the stamens,  $\circ$  the pistils, and  $\curvearrowright$  a hinge; and when the pollen ripens,  $\overset{v}{\curvearrowright}$  falls down on  $\circ$ !

Very respectfully,

B. F. Grady, Jr.,

Prin. Male Academy.

had been eating them. I opened a dozen or more and satisfied myself that the worm did the eating. Fecal deposits were abundant in the tubes. I brought home one large worm an inch long, and examining him with a weak glass -  $\frac{3}{4}$  in. focus - I found 6 or 8 large projections on each side which I thought rudimentary legs, and in his head two long, pointed, black bodies resembling a tarantula's teeth, <sup>the points of</sup> which he could thrust to of an inch from his translucent body. I think he uses these in cutting the walls of his home. His whole body was covered with sharp dense papillae. With these and his teeth he does what flies are unable to do - climb up.

I think it likely trumpets grown in your hot house do not contain this worm, because of no mother to lay the egg; and it may be that the sac. secretion is less profuse.

If you could come down here in Aug. or Sept., I think you would be repayed.

Very truly &c.,

B. F. Gady, Esq.

P.S. I enclose a small dwarf.

Clinton, N.C., Oct. 10, '73.

Dr. Gray:

My dear Sir - Seeing in the Wilmington Daily Journal that you were at the Purcell House some time in April, I concluded that on your trip South you would acquaint yourself with the peculiarities of the Trumpet. Hence I made no effort to send you more roots. As to Kew, my teacher of 20 years ago - a Scotchman - sent a plentiful supply thither.

In July or August I took a walk in the woods with a friend, an M. D., to make some observations and after considerable search - the draining of the country renders them scarce - we found a few "patches" of trumpets and pitchers. The flowers were all dead and dried up; but they were perfect in other respects. We took up several large tubes and

~~and~~ carried them into the dining room of Dr. Henry A. Bizzell, my father-in-law. Very soon I had the satisfaction of amusing my friend and the family. Many flies settled on the lids and feasted on the saccharine narcotic. Evident signs of intoxication were manifested in each case, by their breaking loose repeatedly before tumbling into the gulfs.

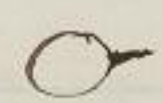
The most abundant secretion seemed to be a  $\frac{1}{4}$  inch above the junction of the lid with the rim.

In your notes kindly sent me, you say the matter has probably not been in print before the note to de Meant & Decaisne's Syst. Bot. I published in the (Wilmington) Carolina Farmer three years ago, an account of my discoveries and it was copied into a Montgomery paper. Further no notice was taken of it.

You say "In this species (*S. flava*), there is little to hinder rain from falling in

My first "guess" was that this was the object of the hood; and to find out the need of it, I poured in a quantity of water. It soon fell under the weight.

In my last experiments the characteristic worm was in every one I opened. Hence I still doubt his being a larva of some of the flies.

There is another trumpet somewhat common on springy hill sides. It is a dwarf not more than 10 inches high, with a sort of flange running down the entire length of the tube on the much wider than in *S. flava*. outside. A vertical <sup>cross</sup> section: 

I have seen no flowers. The hood has no resemblance to a half-funnel, and is almost an infallible shelter from rain. I have found no worms in any of them.\*

Saturday 11<sup>th</sup>. To-day I gathered some old trumpets of this year's growth to learn if possible what the worm develops into. They were still green except in spots. Large and small perforations in their walls indicated that something

\* Found over some writing.



Manuscript 111.

Graham J. D.

Fronton, on the Rio Grande  
6 miles above El Paso del Norte.  
July 4<sup>th</sup> 1857.

Professor Asa Gray, &c. &c. &c.  
Cambridge, Massachusetts.

My Dear Sir.

I have forwarded to you by Captain J. G. French, Quarter Master U.S. Army, who will leave here immediately for San Antonio, 4 packages done up in strong paper, marked as follows: vizt. "Colonel J. D. Graham, Care of Doct. Asa Gray Cambridge, Mass. <sup>579</sup>" These packages contain <sup>579</sup> Botanical specimens collected, on the journey we have just made from San Antonio to this place, by my assistant Mr. Charles Wright, whom you recommended to me at Cambridge in January 1849. My object in sending them to you is that you may, as I request you will, examine them and take them up for describing as the Botanist of my party. In case this duty should be acceptable to you, you will please consider the specimens as belonging to the Scientific Corps of the Boundary Commission, and I request that you will address your report upon them to me, to constitute a part of our

proceedings, and to be published with them.  
Please address me in answer, at "El  
Paso del Norte, via <sup>Independence</sup> ~~Fort Hancock~~  
Missouri, and Santa Fe."

There is a memorandum with each specimen,  
with a number, and a note as to locality, &c.

I have requested Capt. French to have  
these packages shipped from Indianola  
or New Orleans, to New York or Boston,  
according to his convenience, and to forward  
to you a bill of lading, and a note of  
advise thereof in order that you may  
know where to claim them. Any expense  
of freight &c. which you may find it  
necessary to pay, will be allowed from  
the Boundary Commission. Should they  
be delayed in reaching you, please  
address a note to Captain J. G. French  
A. S. M., U. S. Army, Washington City.

We shall be able I hope to present  
to you, should you desire them, duplicates  
of most of the plants. One complete set

will be required by the Government,  
at least, to be deposited in some  
institution hereafter to be designated.

Please have all letters sent to us  
here post paid & charge the same  
in a memorandum and I will have the  
account duly attended to, together with other  
matters. You will please excuse my  
mentioning this item, but I do it because the  
mail arrangements extend only as far  
as Santa Fe on one route, and as far  
as San Antonio on the other. No letters  
that are not pre-paid are ever given  
to the express men who go beyond those points.

I arrived at El Paso del Norte with  
my party, and the instruments to survey  
this line, on the 24<sup>th</sup> ultimo, in 37  
days total time from San Antonio, and  
29 actual marching days. My party  
arrived in good health, <sup>without any accident or fatigue</sup> and the  
instruments all safe, after a journey

of 800 miles over land from Indianaola.

Hoping to hear soon from you, I

Remain, dear Sir, very respectfully

Your obt. Servant.

J. D. Graham  
Lieut. Colonel  
Head of the Scientific Corps  
U. S. Army.

Washington, D.C. <sup>to</sup> March 11. 1852.  
My Dear Sir.

With a large mail which came back to me from El Paso two days ago, but which would have reached me there, but for great negligence on the part of the postmaster at Santa Fe, I received your letter of Septemr. 11<sup>th</sup> last.

I hope the 4 packages of plants reached you in safety for you had not received them at the time of writing. If you received them perhaps you have given them an examination. I am to give in a cursory report in a few days to the Department of the Interior, and shall notice the number of new genera, species, &c of animals which were collected under my direction while on the U.S. & Mexican Boundary Commission.

The brief notice of these will be given to me in a short report (not the final report) from Prof<sup>s</sup> Baird & Girard.

I should be glad at the same time to include a similar one from you setting forth the plants that are new that you may have found in those packages, and I will state that the more full descriptions will be a work of more time, provided that be ought.

I have for you, on the way, a much larger collection made between El Paso & the Copper Mines of Santa Rita (which is about 180 miles N. N. W. from El Paso) and from thence on a trip about 250 miles south into Sonora, as far as a village called Santa Cruz. I have no doubt among them many new & very

interesting specimens will be found, especially among the grasses. So soon as these arrive I will inform you.

It is my wish, after reserving a full set for the government and one for yourself, that the repetitions or additional similar plants should be for the benefit of Mr. Wright who labored so indefatigably amidst many fatigues and exposures, in adding every thing that labor and attention could find, to the collection. This is but just to him for I was enabled to allow him only \$600 a year and his subsistence and he performs surveying duty &c. when required. I gave him a section of the Rio Grande to survey ~~which~~ after our return from Sonora which he was going on with very satisfactorily when I left El Paso.

I remain, Dear Sir, with great regard  
Yours Most  
Obedt.

J. D. Graham

Professor Asa Gray  
Harvard  
Cambridge, Mass.

Washington March 24. 1832

My Dear Sir:

I have received your esteemed letter of the 17<sup>th</sup> inst. As it is, just now, of great importance that the labors of the Boundary Commission should be presented, as far as they can possibly be exhibited, I am very desirous that you should give me such a report, as may be in your power to make in a short time, on the plants which I forwarded to you from El Paso last summer, without waiting for those yet to arrive. If something is not shewn for the money that has been expended by the Commission, there

is reason to apprehend that another appropriation will not be granted by this Congress. I would therefore be much gratified to have your report to present together with that upon the zoology from Prof. Girard.

Will it answer for me to quote at all from the schedule of those plants which was given me by Mr. Wright? I fear he is not always accurate in the names he appends to the collections, though his numbers of reference, & the localities will be a sufficient guide to you.

I remain, dear Sir, with great regard,  
Yours &c

Professor  
Asa Gray, & Co

J. D. Graham



Washington, April 5, 1852

My dear Sir,

I have just received your favor of the 2<sup>d</sup> inst: with the partial notes on the plants I forwarded from El Paso.

I would be glad that you would go on and complete the whole, and will defer my report until you can have time to do so as I think it very desirable to present the whole together. I mean of the first collection. I have not yet received the second collection. That may be included in a separate report.

In great haste, I remain  
very truly yours, &c

J. D. Graham

Professor Asa Gray,  
Cambridge, Mass<sup>ts</sup>

Washington, May 17<sup>th</sup> 1852

My dear Sir.

I duly received your report upon the plants which were forwarded from El Paso in June last, and should have written to you sooner to say how much I was gratified by it, but that, from day to day, I was expecting the other collection brought by me from El Paso in December last to Indianapolis, & left there in February for shipment to this place. This last I received a few days ago. It consists of two large leather paniers filled with dried specimens of plants, & some seeds, and a small box containing about 280 packages of seeds. The paniers are

marked with my initials and numbered 31, and 32. The box is numbered 4, and is directed to you at Cambridge. I have shipped them to you this morning, upon the Schooner P. Patterson, bound for Boston, & you may expect to receive them in about a week from this time, as the vessel will sail today. The keys of the leather paniers are in the box N.º 4 containing the seeds. They are numbered 31 & 32. By giving the keys a half turn, & then working the lids of the paniers, right & left, they will come open.

All these plants were collected in a journey from El Paso to the Copper Mines of Santa Rita, (called by the Mexicans, "Santa Rita del Cobre"), from thence into the northern part of Sonora in

Mexico, as far as Santa Cruz, - thence back by another route, to the Cobre or Copper Mines, and thence to El Paso, - performed between the 26<sup>th</sup> of July and 10<sup>th</sup> of November 1851.

I have taken out a few seeds from each package, which are now being planted by Mr. Brackbridge who has charge of the public grounds here. I thought this judicious, as it will multiply the chances of rearing the plants from the seeds. Whatever grows from them will be scrupulously reserved for your examination and description. The rest of the seeds I please distribute as you may think proper. I trust you will find a

number of novelties amongst this collection,  
and I should be much gratified if you  
could continue your report upon them  
as rapidly as convenient. It will  
tend to encourage liberality in Congress  
towards these branches of science, colla-  
teral to the Government surveys and  
explorations that may be hereafter set  
on foot.

I must thank you for the compliment you  
have been pleased to pay me in the naming  
of one of the new plants, though I feel I have  
hardly a legitimate claim to it. I cer-  
tainly did all in my power to promote the  
collections in this branch and also in zoology  
without any pretence to knowledge in either  
of these branches of natural science.

I remain, Dear Sir, with  
great regard, Your most  
affly J. D. Graham

Prof. Asa Gray  
40 - 41 - 42

Washington, Augt. 1<sup>st</sup> 1852

My Dear Sir:

I have been hoping to receive from you a further report upon the flora brought from New Mexico and Sonora. Without desiring to hurry you beyond the time proper ~~for~~ for close examination, it would be a great aid in regard to the appropriations yet expected from Congress, if you could furnish me with the result of what you have discovered since your last report. Could you give me an approximate estimate of the number of new genera, & also of the new species, (including those described in the report already made) that will be probably found in the whole collection. It would

be of great use to the cause  
just now.

I remain very truly,

Yours, &c. &c.

J. D. Graham

Doct<sup>r</sup> Asa Gray,

&c. &c. &c.

Cambridge

J. D. Graham

Answer  
July 20

Washington, January 17. 1853

My Dear fri.

I have been hoping for some time past, to receive from you a further report upon the plants which I forwarded to you, collected under my direction in 1851, in Texas, New-Mexico, and Sonora.

It would very much aid me in getting an appropriation by Congress, at this session for publishing in 4<sup>to</sup> with ample plates.

I have asked for \$5000.00 for the publication of all the botany & all the zoology collected on that expedition, and I have strong friends who will do all they can in its favor. But they wish to see the reports in the state of progress to which they have at present advanced.

I remain very sincerely yours  
J. D. Graham  
(over)

Prof. Asa Gray

P.S. May I ask the favor of you to forward  
the accompanying volume, for me, to  
the librarian of the Historical  
Society of Massachusetts. Should  
you think it worth perusing before  
presenting it, I will be gratified  
thereby.

J. D. Graham



1871

P.S.

May I ask the favor of you to forward  
the accompanying volume, for me, to  
the Librarian of the Historical  
Society of Massachusetts. Should  
you think it worth perusing before  
presenting it, I will be grateful.

Yours truly  
Wm. Lloyd Garrison  
Mr. Gray

Washington, March 8. 1853

My Dear Sir.

I worked very assiduously to get an appropriation for publishing the descriptions of the plants, animals, &c brought home by me from the boundary line, but I am sorry to say that I did not succeed. This was owing to the great press of business, which, at the end of a short session of Congress, crowded out much that there would be a disposition to do if there were time. My friends in the Senate however assure me they will have it done next session, and of this I have no reason to doubt. The only way under the circumstances, therefore, will be to go on publishing the brief descriptions in the proper scientific journals so as to secure original discovery and

authorship, and defer the plates until we can obtain the appropriation next session. I would have no authority to incur the expense of the drawings or plates until the appropriation is made.

I have lately received an order from the Secretary of War directing me to make my reports on all subjects of natural history &c. to the Sec. of the Interior, and to hold the collections subject to his control.

This will be an agreeable position for me under the present circumstances, & I have no doubt the Hon<sup>ble</sup> Robert McClelland, the present Sec. of the Interior will approve of every thing as it now stands. Should any application be made to you, therefore, in regard to the custody of the collection, please do

me the favor to refer it to me.

With great regard,

I remain, yours very truly

J. D. Graham

Professor Asa Gray  
Cambridge, Mass.

—<sup>to</sup>  
Washington, March 14. 1833.

My dear fr.

Soon after I wrote to you  
last, I received the 2<sup>d</sup> number of the  
Plantæ Wrightiana which I have looked  
over with great gratification. It is pub-  
lished in good style, and for my own  
part I shall feel much gratified if  
You can continue the descriptions of the  
new plants in the same way, so as to  
secure (as I have before mentioned)  
originality of discovery, & authorship.

I have full hopes that we shall  
at the next session get the desired  
appropriation for the plates, and the  
more full text showed that be  
Your intention, for that is a point  
left to your decision entirely.

I will tell you very frankly that I apprehend an attempt will be made in a certain quarter to get the collection I sent you, taken from my official custody. It is a thing that could not at any period of my late trouble, have succeeded; at least I think not.

Under present circumstances I feel assured any such attempt would fail. If therefore you should be very modestly requested to surrender the collection to any one, please as modestly decline to do so, and refer the applicant (should there be one) to me.

I am compelled thus to put you on your guard, to counteract the most unblushing affronting I ever witnessed. I am too old a soldier to be taken unawares by a coup de main.

I have written to Mr. Wright on this subject.

With great regard,

I remain sincerely yours

J. D. Graham

Prof. Asa Gray  
Cambridge.

P.S. Can you not name some new genus after Colonel Sylvanus Thayer? If you do, please say

That it is done at my suggestion, &  
is intended as a tribute to his long  
& valuable services to his country &  
especially in commemoration of his  
being the founder of the present  
System of instruction at the U.S.  
Military Academy at West  
Point.

You have already complimented  
me far beyond my deserts, but  
the Country & Science owe more to  
Colonel Thayer, than to almost  
any man in our Army.

J. D. G.

Washington, April 13<sup>th</sup>. 1853.

My Dear Sir. I do not know whether I wrote to you stating the fact, that one of the first acts of Col. Jefferson Davis, the present Secretary of War, on coming into office, was to countermand an order which was issued in the last hour of Mr. Conrad's administration of the War Dept., intended to force me (& perhaps Maj. Emory also) to place our collections in natural history within the reach of Mr. Partlett, to be used by him for making out the book he intends writing. - That order I never noticed, for its fair construction was that I should make my report to, & hold my collections subject to the disposition of, the Dept. of the Interior. I would not have objected to this, under a Secretary of the Interior disposed to shew fair play.

But the order was countermanded, leaving every thing as it was in the beginning of my service on the Board of Commissioners.

The debate in the Senate <sup>on the 5<sup>th</sup> inst.</sup> in regard to this matter, contained in the accompanying number of the Daily Globe of the 9<sup>th</sup> inst. will show you how well this attempt to poach on the labors of others was understood by that body.

Mr. B. has chosen to assail me, without any just grounds, in the N. York Herald, a journal in which I have been forced to appear, with great reluctance, in my defence, over my own signature. My article is in that paper of last Monday the 11<sup>th</sup> inst. - No one could regret, more than myself, a contest through the medium of a newspaper. It is a thing entirely new to me, & not at all to my taste. Still a man must defend himself when assailed.

I trust my friends, & the public, will

perceive in my official report, published by the Senate (Doc. 121-32<sup>d</sup> Cong. 1<sup>st</sup> session) a complete refutation of all that ~~Mr.~~ Mr. Stuart, & Mr. B. have said or can say. That defence was made in the presence of the administration which upheld General Conde (my antagonist on the rights of our respective Countries) and Mr. B. who had been completely outwitted by him. In the very presence, & under all my official responsibilities to the Executive that caused me to be rebuked for having faithfully performed my duty to my own Country. I cannot go over the same ground in the newspapers. I do not think it would comport with my position as an Army officer to become a newspaper hero, and I do not know that I shall answer any thing more in the newspapers.

I hope next session your labors & those of Prof. Baird & Girard will be published as they deserve. I will make a further report to the Depart<sup>t</sup>. of the Interior to cover



the matter especially. Where is Mr. Wright  
now. I will send him this debate if I can  
get his address.

The present Commissioner, General Campbell,  
is a very efficient, gentlemanly man, & I  
have no doubt he will very much improve  
the tone of that Commission, & at the  
same time promote every branch of Scientific  
research, as far as may be in his power.

I remain, Dear Sir, very  
truly, with sincere regard,  
Yours,  
J. D. Graham

Prof. Asa Gray  
~~to~~  
Cambridge, Mass.

Edin<sup>g</sup>: 15 January 1840

My Dear Sir

Your letter of 9<sup>th</sup> Dec<sup>r</sup> reached me today,  
& I hasten to acknowledge it, & to thank you, as  
I do very sincerely for your kindness in having sent  
to me, even an incomplete set of your books  
American Grasses. The package you tell me is sent  
through W. Ward to Mr. Pamplin, & therefore I feel  
quite sure will soon reach me safe. Again  
I thank you, & hope soon to be able to put up  
a few less valuable things which nevertheless I  
trust you will do me the favour to accept  
in exchange. I am dreadfully indebted to you  
Yours truly  
Will

side of the Atlantic, & am in particular terrified  
to think of Dr. Farrer & Dr. Beck, who certainly  
must have long ago set me down as a most  
good-for-nothing fellow. I do not despair of  
one day making an effort to redeem my  
character with them. Pray tell them in the  
mean time that I acknowledge my deep obliga-  
tions to them.

I read lately after I received your letter I wrote  
to Dr. Gould & commended your message to him.  
We all regretted not having seen you on your re-  
turn from the Continent, & I in particular lament-  
ed it, having had great hopes that you would ac-  
company my party on a Botanical excursion  
to the mountains of Perthshire.

Believe me  
My Dear Sir

Yours most truly

Robt. Graham

Dr. Wm. Gray

New York

BOSTON  
MAR 25  
1851

PLATE  
ST. 15  
1851

*Dr. Asa Gray*

*New York*

*N. S. A.*



CHARLES B. GRAVES, M. D.,  
22 FRANKLIN STREET,  
NEW LONDON, - CONN.

New London, CT,  
Oct. 27. '90

Prof. Serris Watson, -

Dear Sir, -

I send by  
express at the same time with this  
letter a few botanical specimens  
as a small contribution to our  
knowledge of the distribution of  
New England plants. They indicate,  
as it seems to me, that the range  
of some species as given in the  
last edition of the 'Manual' should  
be somewhat extended.

I think the Desmodium is a particularly  
interesting find.

Trusting that the specimens will  
prove to be not without interest  
for you and your colleagues, I am  
Respectfully yours,

Charles B. Graves

P.S. None of these plants have been poisoned.

- C.B.G.

Did I tell you that  
Buntham's wife died  
a week ago - long  
expected, & a blessing.  
But it leaves dear  
Buntham much  
alone in the world.

My dear Mr. Watson,  
Dr. Goodale  
wrote that you were to take  
charge of things in the garden  
generally, & so I suppose of the  
house - I wrote to him I should  
like my bed-room painted, but  
(would not have the papers injured  
& for anything, as I am very  
fond of it -

I will write to Miss Alice

pay just what I should like  
done, & if you arrange with her  
I have no doubt all will be  
right -

Perhaps Waite would take  
it in charge & do it at College  
Expense - If not Stearns, who  
lives in Wallis St. I think,  
would be a good & trustworthy  
man - The bed-room & closet  
over the library -

Mrs. Fay can be addressed  
Art Museum -

Remember me very kindly  
to Mrs. Russell & all our friends -

Very sincerely yours,  
James Bay -

Richmond House -

New -

July 23rd -

as it is, I should like the places  
(painted oak) in front of the doors so  
work, to be retouched - I believe the  
best of the room looks well enough -

He have been so distressed at  
the news of the President's death  
this week - He had hoped so much  
from his struggling so long -

I hope you will have a pleasant  
autumn to make up for your dis-  
agreeable summer - And for our sakes  
too - Please remember me most kindly  
to Mrs. Bissel & all our friends -

Very sincerely yours,

Wm. L. Gray -  
He is back to New by Oct. 3 or 4 -

Blackford -

Sept. 21 - '81

My dear Mr. Watson,

Miss Gray writes me  
that you have taken in hand  
about the painting the two bed  
rooms - And I suppose by this  
time it is done - But there is  
another piece of painting I should  
like done, a dark brown border  
all around the living-room  
floor - 1 ft. wide not including  
the narrow recesses on each side,



as wide as the side-board reaches  
on the North side, and as wide  
as the ~~cupboard~~ side table on the  
East side, on the fireplace side  
to fill <sup>to depth of hearth</sup> in from doors each side -  
to crown the window recesses - The  
color, a dark Chestnut brown -

I enclose a line to Lizzie Stewart  
about getting the ~~name~~ <sup>name</sup> in order -  
Miss Parker will know where to  
find her if you do not -

If you feel any doubt about the  
color you can consult Miss Gray -

Dr. Gray wrote you about Dr.  
Frodale - How well he looked, and  
he seemed bright & energetic, like  
himself - I only saw him a short  
time as he stayed but one night  
with us, & he & Dr. Gray had so  
much to see and do together -

We have only five weeks now  
before sailing, and it seems very  
near - Plenty to do in that time!

If there is nothing done to the  
Library floor, and I supposed from  
what Dr. Frodale said to Dr. Gray  
they would think it best to leave it

My dear Mr. Watson,

A letter from my  
niece Alice rec'd last Eof. gives  
the chance you may be waiting  
for me to say the colour of the  
cutries. I should say a light  
yellowish drab - If it is already  
done, no matter -

Please to have the kitchen  
floor oiled - But I should

wish the range cleaned &  
repaired first if possible —

kindest remembrances to  
Mrs. Beech —

Sincerely yours,  
Jane L. Gray —

New —

Oct. 4th —

G 3 Gray.  
60, Bond St  
Thursday Oct 16

My dear Sir

The accompanying parcel  
came to my Mrs Gray. Now, my  
Mrs Gray has friends in Kew, and  
she thought she had a picture of  
some of them - and, as usual, crossed  
a bridge before she got to it, by  
saying: "It is Sarah!" meaning  
a certain Mrs Hemblorn. She opened

the parcel and beheld a child  
named Joe! She knows no Joe  
in England - except Dickens' fat-  
boy. - Then, remembering that the  
Kew Gardens are the home of  
your friends, the Hookers, I con-  
cluded it is Joe Hooker (not  
the General) and hereunto send

it to you.

I am rapidly becoming  
so well acquainted with your  
correspondents and so familiar  
with them that I feel I ought  
to know them better - I hope  
you are as satisfied with mine.

Yours very truly,  
Geo. J. May.

93 Gray

May 30/80

Dear Gray -

Upon reflection, I fear  
that my remarks regarding our friend  
were rather too severe, relating to his  
neglect to write me, and the circum-  
stance caused Mrs Gray and myself by  
his remissness - He saw it all and  
made ample explanations or excuses,  
and I could see that the poor man  
has been driven to distraction and

weaned by our-work - as you  
noticed ~~was~~ during your call, he was  
tired out - and fell asleep. I  
really esteem him so much that  
I am sorry for what I said when  
awayed by his not having replied to  
an inquires as to his arrival. His  
friends in Philadelphia and Boston  
have been so kind that they have  
used him up about as much as

they say things say.

Yours very truly,  
Geo. Gray.

Of the stragglers, about fossil  
species are curious but fossil  
are the most doubtful subject  
for species distinction. modern  
researchers have shown that recent  
shells which greatly resemble each  
other may have very different animal  
ended animals showing they  
may belong not only to different  
species but different genera & families  
now our knowledge of the fossil  
species must always be so  
imperfect that the identity of  
fossil & recent species must  
always remain doubtful  
I believe that species of both  
of animals where there history

Arthur Meece  
12 April 1860

My dear Sir

I have <sup>read</sup> with great interest  
your review of Darwin's  
Book, and you should have  
a <sup>separate</sup> copy of it to spare I should  
be much obliged to you  
for it.

I am pleased with many  
points in it but I must  
own that I am far from  
sorry with you on the subject



and thank it far too favourably  
on the work which contains  
so many fallacious reasonings  
I should be very glad to believe  
there was some truth in the  
Hypothesis but the more  
I examine the subject the  
less I believe of truth there is to  
be found in it. and I think  
that Dr Wothers must have  
felt this or he would not  
have prevented the publication  
of Dr Harvey, very interesting

and convincing. See I repeat  
This is a pity that Darwin should  
make such assertions & that  
they should be copied & that  
Comment that any ornithologist  
the most humble should ever  
have made the remarks of  
Pigeons. Genera or Species  
though they may have characters  
that might look well on paper  
Every child at once sees they  
are Pigeons. and there is the  
same <sup>kind</sup> of assertion in various  
parts of the Works

how one *Specimen* species  
changes into another - yet I  
know in some instances we  
have united species which may  
be described growing side by  
side under the exact same  
circumstances - in such a  
case I am inclined to regard  
them as distinct.

With kind regards to my family  
I remain as ever  
your very truly  
Wm. Edwards

is pretty well known, and forms  
established and subject of doubt  
to any competent judgment. Our  
doubt chiefly arises from the  
imperfection of material and  
from description.

We must recollect that a large  
number of very large proportions  
of specimens are described from  
a single part (as a shell for Mollusc  
or from a single state of an  
animal as a ~~shell~~ the general  
of insect - then again there  
are such premiums for the  
"manufacture" of species, and  
we have abundance of "dealers  
specimens" because presumed  
new species sell better than

old well known ones so  
many old ones are sold under  
new names this is especially  
the case with shells. There  
there are ichthyographers species  
men publishing illustrated  
monographs who pride themselves  
silver of figures so many  
new species. as those that  
we may add species  
described by incompetent  
heron who delight to see  
their name quoted.

And the search for bray under

such circumstances that  
Naturalist differ widely in  
regard to the number of species  
in existence -

It would have been much more  
satisfying with the Bentham  
work if he had given us the  
reason why he reduced  
many of Antimony's species  
especially as I think I  
have heard the Bentham say  
that he chiefly describes  
for specimens in an Herbarium  
resolutions consult. over a Botanic  
Garden - and <sup>he</sup> had shown

such as there in the Cornhill  
magazine but damaging  
to it.

I am making a collection  
<sup>all</sup> of the articles I can find on  
the subject. I will be an  
interesting collection

With kindest regards

Yours very truly

John Edward Gray

Professor Algeo Gray

J. E. Gray

British Museum

15 May 1860

My Dear Sir

accept my thanks for  
your kindness in sending  
me a copy of your Review  
of my dear friend Darwin's  
work which arrived this  
morning

The hypothesis seems  
to make little progress  
here among the scientific  
men though it is popular

among the general readers  
especially the young ladies  
but I have found very few of  
them that have read the  
Work to the end.

As far as has been discovered  
Dr Walker is the only Volunteer  
who studies species that  
I have been adopted. It  
Mr Bush & Mr Wesley speak  
with favour in a general  
way. but I don't think  
that they have tried to show

that they have discovered  
any foundation for it worth  
on.

I find that Mr Darwin has  
been carrying on a private  
correspondence with more than  
one of the regular but I think  
them who regretted for of  
the discussion had been  
printed in the Journal  
I must have tended to have  
established or whose shows  
the falseness of the hypothesis  
I cannot regard the papers

and no one knew where  
he was & did not appear again  
until the work was out, the  
news unpunctured the animal  
he collected at the Cape. so  
it is not astonishing that he  
did not examine or edit  
the MS of Salisbury, more  
especially as the property that  
Salisbury left him rendered  
Mr. Murray no longer a necessity  
The part that he provided in  
Memoriana has cost me  
as much as I can expend  
on such a subject viz nearly  
£40. With Mrs Gray & Mrs  
Kiddell Regards  
Ever your faithful  
J. E. Gray

I have sculped in the last or last  
large & sundry a relief in paper  
my gallery. London W.C.

For the note exped  
8 of. so I shall  
send it by the agent  
of the Smithsonians  
my dear Sir  
2 May 1868  
The Post Office refused  
to take to U.S. above that  
weight.

Mr Beanevell has given  
me for my & mine you very  
kind messages I am  
glad you have seen  
my paper & that it  
meets with your approval

I have lately printed  
a portion of the MS of my  
former teacher Mr R a  
Salisbury. & have sent  
you a copy by post

Mr R A Salisbury was the  
first person who introduced  
the work of Linnæus to the  
English public, the general  
list of the founder with some  
note, & added in his Notes  
he was a most industrious  
& neat worker indeed I  
consider him as the best  
practical Botanist of that  
period sure have had few  
equals since. Unfortunately  
he was not a happy man  
either in his home or in society

he was so impetuous & he  
concealed none of his opinions  
a man of the most contrary feelings  
to Mr R Brown his great opponent  
He much to be regretted that  
his work was not published soon  
after his death, for it would have  
made a great advance in  
Botany then, but Burchell  
was an odd person, he could  
not write or do any thing but  
when he was entirely by himself  
When he edited his Travels  
he told his friend he was going  
abroad, he took a lodging at  
Blackheath near London.

to take any part, the Flower show  
 was a grand sight the finest &  
 best displayed show we have ever  
 had. The Low. Dent did not take  
 off from the size of the plants - they all  
 look so drooped when shown <sup>with</sup>  
 the Crystal Palace or in the Conservatory  
 of the Horticultural Society. The  
 Committee of the Botanical Congress  
 were held in my house so I was  
 able to attend & I had a dinner  
 party, the day after de Candolle  
 arrived at which all the botanists  
 & other botanists in London  
 including Robert Brown Berkeley  
 Bennett, Wright, Meers <sup>T. Thompson, W.W. Saunders</sup>  
 Murray, Masters, Ward <sup>Casparis</sup> and  
 others were present to greet  
 de Candolle the son of my <sup>old</sup> teacher

J. G. Gray  
 Bot. Mus  
 9 June 1866

My dear friend

Thanks for so ready an  
 acceding to my request and  
 sending me the two photog. they shall  
 be placed in good company.

There is for things that will  
 give me more pleasure than  
 to come to the Western Hemisphere  
 but the Time is passing very  
 rapidly will enter her 80 year  
 in August I am 67. & am  
 worried that is why I have  
 an unstable state of bladder  
 something done but the bladder  
 who would be better if  
 been decided that makes  
 Redway & Walker a matter



of difficulty  
We have just had a Botanical  
Congress that I think was more  
successful than was anticipated  
DeCandolle seemed much pleased  
with it. The number of foreigners  
from Europe was much smaller  
than we had hoped, but even  
half those that had accepted were  
kept away by the War. Their  
houses were filled with soldiers  
killed or their machinery it  
was safe for the mother of the house  
to be away - the Mother party.  
So therefore against the Botanical  
Congress, <sup>some of them</sup> ~~attended~~ were not  
mutilated to the end that the

German Society at the more  
celebrated winter when an anniversary  
dinner but the Congress was ignored  
in the speeches on DeCandolle a German  
Professor ignorant of the affair  
got up & proposed the death of the  
Secretary of the Congress so matters  
got <sup>to be proposed down</sup> the affair  
yet a canon wanted a <sup>arriving</sup>  
and got the two Universities of  
Cambridge have given a honorary  
degree of D.D. to DeCandolle & it  
was said that it was not right to  
give it when without it was  
given to Dr. Bocher to be a DeCandolle  
and when made at same time  
Bocher well deserves but it is  
Canon that it should be given  
on an occasion on what he referred

of the human society that he  
 would do all he could to reject  
 me. as they did when I was present  
 in 1820 after the publication of the  
 Natural arrangement of Antislaves  
 when he had a special muster  
 secretly called together & was  
 blackballed by some 30 votes against  
 5 or 6 for daring to put forth another  
 in the natural arrangement of  
 plants - one of the reasons assigned was  
 a Charles the English Botanist of Somers  
 as <sup>invented with President</sup> Smith & I was  
 accused at being that was almost  
 all Botanist quoted so, in fact  
 Smith did not print <sup>think</sup> until it was  
 a success, <sup>mean as a minor affair</sup> then he returns 1. 1. 0  
 for every description & did not send  
 back the proof of the description until the  
 money was paid him. thus I know from  
 my own knowledge have seen his notes  
 explain when the proof did not come back

In July 1846  
 & Smith was written  
 the earlier on when was written

Salisbury was a most extraordinary  
 man, but he was under a cloud  
 and was the that made me at  
 one decline his offer for him to adopt  
<sup>as a year the</sup> me please me as property. Unfortunately  
 several literary men & some Naturalist  
 at the commencement of this century were  
 accused of unnatural practices, some  
 of these were guilty as they were either  
 convicted or ran away, <sup>when accused</sup> you will  
 be surprised when I mention the name  
 of Knight, The Woodhull, Sydenham Maunter  
 in the book of Maddington Green, Salisbury  
 was accused three times. but in each  
 case he stood the trial & convicted his  
 accusers, <sup>of false accusation</sup> & had them transported. and  
 I believe that <sup>the</sup> many others that were  
 accused, were accused falsely. but  
 still it made one not inclined  
 to keep his society, I never was at  
 her house but near the Mrs Bennett

to see his wonderful little garden  
contains such an immense number  
of growing & flowering plants, of them  
I only knew in the Banksian  
Herbarium. & there as deCandolle  
says in his autobiography. He Brown  
& Smith were all at war. In regard  
Sulstrey as the best systematic Botanist  
& Brown the best Physicist, Smith  
was a man who merely traded on  
the reputation of the deCandolle Herbarium  
having no general views, I recollect  
Brown giving an anecdote of him  
that quite showed his character. He  
was asked about a species of Sinapis  
he said I don't know I have not come  
as far as S. the last genus Sinapis was  
Raphanus refers, this article in  
Reeve's Encyclopedia as that is how

he studied just the genus as he  
wrote them, for that book in which  
no name refers. & for that he was  
paid a most extraordinary price  
of 20 shillings per sheet.  
on the other hand Brown was a  
most jealous man, who was very  
fearful of diminishing himself  
& did all he could to prevent any  
one else from doing any thing  
probably with the fear that they might  
outrun them selves. His death  
reminded a great number of  
the Botany of England. I tried  
one time, if he was not so jealous  
perhaps one, I might have felt  
that it was a compliment that  
he was jealous of me, & to the  
day after death he did he knew  
that if I was proposed as a Fellow

Gardens, this a very large  
<sup>of all orders.</sup> collection, as the Algae is the  
most complete collection I have  
ever studied full of new material  
or typical  
a pile of authentic specimens  
named by various authors. no  
one can describe Algae safely  
without the power of consulting  
it.

Now man begone it away  
intended to live a bachelor  
then he married his cousin &  
had the little to leave her. but  
fortunately she can live as she  
did before her marriage with  
her relations

Not Gray, neither with me  
kindest regards to Mr Gray &  
you self ever your sincerely  
J. E. Gray

We had had the misfortune to lose  
another Volant. Greville so  
we have lost our two algalists  
in very short time, Greville  
was the most original observer  
and Harvee the best student of  
Greville, Greville lived to a good  
old age you will see a notice  
of him by myself in the Athenaeum  
of today. Our poor Harvee though  
suffering for Mythis for 3 or 4 years  
did not believe himself a day  
sorely made his will the day  
before he died, there a notice  
then prepared by Dr Percival  
Wright (who gave her lectures  
for her in Trinity College Dublin.)  
in the Athenaeum of last week

We are sorry to hear that  
near the Herbarium for now &  
weekly by Mother has promised my  
wife so more occupation in  
arranging some of the alga and  
other Cryptogamia in the work  
going at her microscope for  
more than I can for I have  
suffered twice lately from Rheumatism  
Arthritis which has shut me up in  
a dark room for two months  
Greville Herbarium was purchased  
by the Edinburgh University some  
year ago it is now I think at  
the Botanic Garden there but  
he had some pecuniary losses  
which made him dispose of it

set up as a landscape painter  
I believe he succeeded in selling  
some of his pictures the way  
which is often the easiest  
Botanic are artist whether in large  
plants or small diatoms, that  
I ever knew, Robert Dyer of  
Glasgow a displacer of algae  
a most polished man in  
family a very successful  
I am assured to know what  
will become of Murray Herbarium  
which he gave to the Trinity College  
if kept there I fear it will be  
neglected & little used, perhaps  
it might be more useful if it  
was transferred to the Botanic

with regard to the relations between  
comparing with what has appeared  
on the discolored  
I send the account of the fossils to the  
Athensian but the Editor cut out  
what I said about the photographs  
I believe which certain occupied  
me half of his time & I wish  
to do you good though we did  
not always agree about the cause  
of the fossils under which  
I send you the Athenian  
Every one is interested in them

I E Gray  
I have a copy of the  
book but I think that there will  
be found some errors but as  
regarding arrangement & the  
my always interested in fossils  
I believe in the fossils

I E Gray

British Museum  
22 Sept 1866

My dear Dr Gray  
Thanks for the volume of  
Selecting Genera of the British  
Museum on the Journal of Science  
I was particularly interested in the account  
of Dr Harvey & Greenlee. The account  
of Dr Harvey in the Athenian was  
by Dr Perceval Wray but I  
wrote to you for information  
furnished by Dr Harvey, brother in law  
I thought the credit to Oregon was a  
mistake but could not correct it  
The account which Harvey gave  
me of his voyages ended with "I visited  
other places on the Pacific"

The little manual is nearly out  
of print & I doubt if it will be reprinted  
I doubt if account of the death is quite  
accurate I think that Dr Harvey  
~~Dr Harvey~~ Mother were only <sup>lodging</sup> lodging  
with the same house, for Elizabeth  
Mother's husband, who has resided  
<sup>at Bognor</sup> at Bognor, I think took  
the house since Harvey's death  
and Dr Harvey is to have with them  
Dr Greville's collection of Diatoms  
in cluding Dr Gregory's collection  
has been purchased by the British  
Museum this is a very beautiful  
collection with a catalogue in  
Greville's neat manner for everything  
he did was beautiful & neat

~~the summer I have been for five~~  
weeks at Ken to see of the great  
with almost my leisure in  
Bladder. I did little for me  
as for the weather was too hot &  
fallen too cold & wet for me to sit  
out of doors in the garden which was  
one of the Myalthea trees there while there  
but frog & insects into the collection  
of the specimens that had  
arrived since Harvey arranged  
them including many very interesting  
specimens for Vancouver's Islands  
I agree in all you say about Greville's  
work but I think that there will  
be found some novelty both as  
regard arrangement & characters  
used in the families provided for  
little has been done systematically

Thursday <sup>Gray</sup>  
30 Sept 69

My dear Aliso Gray.

Could we perhaps  
you & Mr Gray to  
come to dine with  
us on Saturday at  
8. We shall be glad  
to see Mr Gray sooner  
if he has any business  
before then. We don't  
expect any more  
so the Museum looks



and Wehens drop

in the vents

with the same quantity

Evaporated

J. E. Jones

✓

100

100

100

J. E. Jones

Bost. Mass  
7 Oct 1864

My Dear Mr Gray

Perhaps you will be  
able to answer the  
enclosed better than  
I can. Mr Agassiz has  
not honoured me  
with a visit so often  
I don't know where he  
is

Mr Gray understands  
me in kind regard

Ever your faithful

L. Essey

EDWARD H. OWEN,  
JOHN G. VOSE.

No. 72 Wall Street.

New York, April 7 1858

Dear Brother,

Last week while I was at home taking medicine Mr. Harber called in regard to your claim against the Vanderbilt line: and by reason of being unwell & subsequent change in my boarding place I have been unable to give the claim much attention.

There is no question as between you & Mr. Harber as to who should bring the suit, for it must be "in the name of the real party in interest."

Mr. Owen is now out of town, and I wish to consult with him before commencing suit, so that I shall not do so

Ans of Mr. 12

this week. I have written to  
the Company, claiming  
\$250, and I think they  
will settle the claim for \$150;  
if they do not do so I will  
file a libel and attach the  
vessel ("North Star") when  
she comes in port.

It may be important to  
know what was the agree-  
ment between you & Dr  
Weisenbach, to determine who  
was really the owner of the  
Box &c; whether the specimens  
were sold to him, and all  
about it, and it may  
be preferable, if the facts  
warrant it, to bring the  
suit in his name, so that  
you may be a witness to  
prove the value &c, as I pre-

sume you only are acquainted  
with the contents & value.

Where are the other two  
parts of the Bill of lading,  
and how does it happen  
that this one I have is in  
your hand-writing?

I intend to come to Cam-  
bridge the first trip I make  
anywhere, & hope to do so in  
May or June.

I think the claim against  
the Company will be settled  
for \$150. I want no retainer  
and shall not unless, if a  
suit is commenced, I shall  
want to have Mr. Owen as  
counsel and perhaps try  
the case.

Love to Jane

Yours affly  
J. H. Gray

EDWARD H. OWEN,  
JOHN G. VOSE.

No. 72 Wall Street.

New York, April 28 1858

Dear Brother:

Vanderbilt's agent urged me to let the claim for loss of the Box rest for about 3 weeks, at which time they hoped to learn what had become of the box. I did not make any definite promise to do so, but seeing that nothing would be gained by not waiting, I have done nothing except to get the matter before the counsel for the Line.

From our connection with him I think we can get the matter along smoothly.

He desired me to get from you a statement of the

contents of the Box, specifying the articles distinctly, and stating the values respectively.

It will be necessary for me to have such a schedule, and I wish you would send me one, with the values just as you can testify to them if necessary — the value not what you paid — If you know of any different value the same would have at Bremen, state the Bremen value too. I may or may not show it to the other party, according as it looks to me.

I want also Dr. Grisebach's name in full, as the suit must be brought in his name.

I was at Tom's the other evening — no news except Maggie's improvement — no news from home.

Please give my love to Dan,  
& say I hope to get there in  
May or June.

Yours affly  
J. H. May

Newark Dec 6 1854

My dear Brother:

You are certainly the most indulgent client I ever saw, for you do not harass your lawyer with letters or constant inquiries about the progress of the suits. I have been so driven with work in the Office during the autumn that I could not do much about Dr. Grisebach's suit against Vanderbilt: the truth being, as Mr. Owen says, that he and I do the principal part of the work in the Office.

But upon inquiry of Mr. Rolker & others, <sup>as to</sup> who would be a proper person for Commissioner at Gottingen, he & they knew of no one, and very strongly advised me not to send it to any one at Gottingen who ~~was~~ was not known to be a good lawyer and also acquainted with the English language, but to send it to the Consul at Bremen; as otherwise I would have to do as Rolker did, send the Com<sup>n</sup> back for correction.

Last month on commencing proceedings for the Commission Vanderbilt's lawyer said he was disgusted with the agent for not paying, and said if I would give him the lowest amount I could take he would endeavor to get it. I told him I would take the actual price of the contents of the box and my costs, if paid within a week. He said he would get it, but the agent was sick & ~~until~~

The matter could not be submitted until last Friday. The agent then said that unless some definite news was received concerning the box by the next steamer from the person on board who was charged to make inquiries at each port, he would pay the amount - that steamer will be in this week or early next week: I did not give any definite reply, but that I would write to you. In my offer I stated the amounts as follows

1000 Cuban	\$ 100.00
452 Venezuelan	45.20
Books	7.50
Freight & expenses at New York.	2.75
	\$ 155.45

If there was no fault on the part of Frische & Co (who used to be the consignee of the vessel & quarrelled with Vanderbilt) we can recover all but the books & freight surely, and the books too if we can prove the value <sup>at Tampa</sup> &c; and I am convinced we cannot prove the value to be greater than above stated. So that the only thing I offered to them off by way of compromise was one year interest (10% about) and whatever pecuniary damage Dr. <sup>Frache</sup> can show he has sustained.

The question is, shall I inform them that my offer not having been accepted is withdrawn or shall I receive the above amount which I think is all they will pay now by way of compromise? In answering, please take into consideration the trouble & expense of a Commission, the danger of mistakes by the Commissioners &c, and the chance of a long litigation in which I should have to employ Mr. Allen or some person as counsel, and

pay for it out of the amount recovered, and also what is quite probable that the damages sustained by the plaintiff & which are of such a nature as to be proper subject of a recovery may not equal what the Comd would charge for executing the Commission. I believe I can state it more briefly. My object in making the offer (or rather the Attorney asked me to state the value & he would recommend the agent to pay that) was to be able to send to you the amount you originally (in your letter to Thudor) offered to take - I shall get my pay out of Vanderbilt, and for the sake of getting through with the matter I reduced the costs to the very low figure of \$10.

As I said above I have had too much to do for the Office & have great reluctance to trying to do anything else. I have so far worked harder than was reasonable, but under the expectation that a change must take place as soon as the condition of the business would allow Mr. Allen to turn Mr. Case out. I thought of leaving, but Mr. C. sent word to me not to leave for his sake if I could endure it to stay; so I remained - and he took me home to dine.

I have seen the Torrey's but once since they returned to the City; don't know when I shall get up there again.

Please write as soon as practicable: give my love to Jane & say I hope to see Cambridge again next summer.

Yours affectionately  
J. H. Gray



Newark July 2<sup>nd</sup> 1859

Dear Dr.

I received yesterday from Mr. Vanderbilt the money recovered against him. Dr. Insebaek's expenses of travelling fees from Gottingen to Bremen were disallowed <sup>by the Court</sup> (if allowed \$4. would have been the highest figure). The amount he paid the Consul for the Commission \$26.80 were allowed and also legal travelling fees to you, being 5 cents per mile travelled by you in this State, as follows - 30 miles from State Line to Newark City in coming \$1.50, and 120 miles estimated to have been travelled in this State (on the Sound) in returning \$6.00 - in all to you \$7.50. Of course this does not equal your expenses, but it is all the law allows to witnesses from

Other States; to which is to be added  
50 cts fees for attendance; in all \$8<sup>00</sup>  
So that the account is as follows.

For Cuban Plants	\$100.00
" Venequelan "	48.20
" Books	7.50
" Interest	16.91
Verdict of Jury	\$ 169.61
Amt. pd Consul by Gmsbach	26.80
Allowance for your fees	8.00
	\$ 204.41

which amount I remit herewith  
by certified check on which you  
can obtain the money by deposit  
in your bank.

For Gmsbach's letter to you I will  
take with me to Saugwitt & give  
them to you on the 30<sup>th</sup> inst.

Miss King was on the day you  
were here elected principal of a  
school in the same ward in which  
she was assistant, and commenced  
her duties as such yesterday. She  
would not have accepted it except

as a triumph over those who have  
for a year been trying to get her  
<sup>former</sup> present position and endeavored to  
get her out, of whom her principal  
was one: she fought them before  
the trustees who sustained her and  
now give her the first offer of a higher  
position - The school she has now  
taken has run down very low & she  
is expected to bring it up, which  
she says she will do; and says she  
will not leave it this coming year.  
(and when she will - "she will," <sup>other</sup>  
wise she would not do for me.

She sends her love, and was much  
disappointed in not seeing you

Love of bold us to Jane -

Yours ever

J. H. May.

Meavy Rectory

Horshambridge

South Down. Eng.

July 31<sup>st</sup> 1884

My dear Sir,

My promise to send you a photograph of the Old Oak at Meavy was made so long ago, & has been for such a length of time unfulfilled, that I very much fear ~~you~~ <sup>you</sup> have thought it was quite forgotten. I have however delayed to get a man out to photograph it until he could at the same time take a view of the interior of the Church in which we were going to make some alterations and additions. These have now been effected and the photograph has at last been taken and so that I

I am now enabled to keep my promise by sending you the enclosed accompanying copy. Please accept it, with all good wishes for yourself and Mrs Gray, as a slight memento of your visit to our little valley.

You will I am sure be pleased to hear that no change has taken place in the tree since you saw it, although it has in the interval been obliged to bear the brunt of some very violent storms - notably one on Jan. 27<sup>th</sup> in this year which laid prostrate making a younger tree & played great havoc with the roofs in the village. The old tree still bears his leafy honours aloft - in the spring shewing signs of returning vitality before all the other oaks in the neighbourhood, and in the

autumn retaining its russet robe when all the other trees are almost bare.

I trust that if you ever have occasion to visit England again we may have an opportunity of seeing you again and renewing an acquaintance to us, so pleasantly begun.

My wife joins me in kindest regards to you and Mrs Gray, and I am

Yours very truly  
W. A. G. Gray  
Rector of Meavy

To Dr. Asa Gray:

Harvard University  
Cambridge, Mass.  
U. S. A.

Signal Office,

War Department,

Washington City. July 13<sup>th</sup> 1885

My dear Professor Gray;

I have arranged some plants  
to send you for identification  
and your acceptance of a  
set but have incidentally heard  
that you intend going south.  
Will you kindly write if I shall  
send them and where. Coming  
as these plants do from such  
a high latitude I trust they  
will be interesting to you.

Yours sincerely  
A. W. S. Selye  
Major

Prof Asa Gray  
Cambridge  
Mass.

Dr. Greeley's Coll<sup>n</sup>

Jan 1855

Greeley

Accession 16082 Registrar's file, ~~Return to Registrar.~~

S. 44699

Signal Office,

War Department,

Washington City, May 21st, 1885

Prof. Spencer F. Baird,

Smithsonian Institution,

Dear Sir;

It gives me great pleasure to send you, by direction of the Chief Signal Officer of the Army, forty nine specimens of the plants obtained by the Lady Franklin Bay Expedition.

Most of these plants were gathered by me, but the credit of their careful pressing belongs to the late Sergeant Joseph Elison, 10th Infantry. These specimens are but fair examples of the wonderful vegetation that exists in Grinnell Land, within less than eight degrees of the geographical pole, and I am confident they will be of interest to the specialists of your valued institution.

Owing to their not having been properly identified, I am unable to send you certain specimens, some ten or twelve in number; which will follow later, together with the official names of all plants obtained by the expedition.

The numbers which are attached to these specimens refer only to the official numbers in my book of plants.

In case you should desire any further specimens, personal-

ly or for the Institution, it would give me great pleasure to furnish them as far as may be practicable, from my private collection.

I am, very respectfully,

Your obedient servant,

A.W.Greely,

1st., Lt. 5th, Cav., A.S.O. and Ass't.

(49 Encls.)



Signal Office,

War Department,

Washington City..... May 25th, 1885

Prof. Asa Gray,

Harvard University,

Cambridge, Mass.

My dear Doctor:

The collection of plants which I sent you through Professor Baird, would have been followed by a letter ere this, had I been able to attend to it.

The collection I sent you is as complete as I could make it with my limited knowledge of botany, except as regards the moss, which I will send you later.

I now enclose a single plant which appears to me different from any I have forwarded to you. <sup>Dr V says it is Hesperis in an interesting state</sup> I should like to call attention to specimen No. 23, which Dr. Vasey of the Agricultural Department thinks a new plant. <sup>Later Dr V. says it is Deschampsia archea.</sup>

In default of your being at Cambridge, and my necessity of getting some of my plants in order, I asked Dr. Vasey to identify the collection as far as possible, which he has kindly done. There are, however, quite a number of specimens, generally draba, which he could not

Signal Office,

War Department,

Washington City.

188

identify.

I forward to you a list of plants found by the English in that neighborhood, which may slightly facilitate your work of identification.

I should be pleased to furnish you duplicates or triplicates as far as may be practicable, from my personal collection of these plants, and as soon after your report as possible I will transmit a set formally to Harvard University.

It is understood that such of the plants as I have not marked to be returned, are to be retained by you for your personal herbarium.

I enclose five potentilla which appear to an unexperienced eye to be different varieties which may possibly correspond to P. nivea

I am, very respectfully,

Your obedient servant,

var. pulchella Br, var P. Vahl etc, I have among my Dras. Octo specimens both of whole

1st Lt. 5th Cav., A.S.O.

leaves widegu'folia and also of the separated

and Assistant.

or ragged edged,  
(One Enc.)

Yours

J. W. Geary

SMITHSONIAN INSTITUTION  
AND  
U. S. NATIONAL MUSEUM.

Washington, June 2<sup>nd</sup>, 1883.

Sir:

I beg to inform you that I have this day sent to your address,  
by *Mail*,

a package containing 49. Specs of Plants, from  
the Lady Franklin Bay Expedition,  
coll. by A. St. G. Guley, Lt. 5<sup>th</sup> Calif. Inf. Regt.  
A. S. O. & Assn.  
(acc. 16082).

Please sign and return the inclosed receipt.

Yours, respectfully,

Spencer F. Baird

Secretary of Smithsonian Institution  
and Director of the Museum.

S.

Dr Asa Gray,  
Cambridge,  
Mass.

J Green

Easton, Sept 15th, 1858,

Prof. A. Gray,

Dear Doctor,

I made my usual annual visit to the mountains north of this place a few weeks ago. Among the collections made, I find several plants new to Pennsylvania. I hope to be able to furnish you with specimens soon,

The little umbellifer which I collected last year, and of which I sent you a specimen in leaf, I found in flower this season. I enclose specimens. You will find umbel, of flower, on each specimen and a separate umbel from another specimen of the plant. It abounds in a mountain stream in quiet as well as rapid water, but grows largest in still water. It is always submerged. In the two or three miles of the stream where it abounds, I did not find one rising to the surface, Madrothea pallas, here,

is quite common with it. You will find  
some of it adhering to the smaller specimens  
attached as it was, when taken from the  
stream.

The plant is doubtless a Sium, and  
certainly wholly different from our described  
Species. While it abounds where I found it, I  
saw but one individual specimen of Sium  
lineare, Michx., for miles.

A part of your generic description  
will not apply to this plant, viz. "lanceolate  
serrate leaflets, or the immersed one, cut  
into capillary divisions". I have not seen  
any so cut, though all are immersed - many  
of them are broad-oval, and some quite round.

The specimens vary <sup>in size</sup> from those enclosed  
to 1' and 18' - but all sizes bloom.

They grow in a region never visited  
by any botanist but myself, though frequently  
visited by the disciple of good Isaac Walter.

What say you of it? I will endeavor  
to get the fruit this fall.

Yr truly  
Traill Green

By whose Express can I send you a package?

Amherst, Dec. 14

Boston Nov 30, 1841

My dear Sir

I rec<sup>d</sup> in due time the  
various packages you were so good as  
to send me, about the beginning of the  
month, your own collection is ~~so~~ extremely  
interesting. I am less concerned ab<sup>t</sup> not  
receiving the second set from learning that  
you have already supplied my friends  
Hooker & Arnott still I should have been  
ab<sup>t</sup> no less to have disposed of it. I had  
heard of the death of De Landolle a few  
days before I rec<sup>d</sup> your letter by one from  
McCurman who is to pass this winter in  
Berlin - I am glad to find that you  
have still a wish to look ab<sup>t</sup> us in this

quarter of the globe as I may hope  
that the will may find out the way  
& tho' I have not a great deal either  
in the books or plants to interest you  
yet I doubt not that I could find  
something in both departments that  
would occupy you for a day, or two  
rather pleasantly than otherwise & I  
shall be very glad to see you whenever  
you can find time to pay us a visit

I was surprised at what you said  
in regard to Reynolds plants the  
bundle you returned me I had selected  
for myself with Reynolds knowledge  
had voluntarily offered to loan them  
to him when he wanted the sets belonging

to the society but which I did not  
think I should be able to procure  
for him they having been dispersed  
throughout the general Herbarium of  
the society, & which the whole  
collection had been presented by Reynolds  
we wish having been proposed by him  
at the time that the duplicates should  
be distributed - I had assisted Reynolds  
previously to his embarking on his expedition by  
direct personal solicitation amongst friends &  
acquaintance & at that time procured a subscrip-  
tion of some three or four hundred dollars &  
in aid of his outfit & he then promised  
to send or bring me whatever plants he might  
collect during his travels but in consequence of this  
from you very truly

J. D. Greene



Dr. A. A. Gray

R

New York





Amos Lowell  
Boston Dec 24, 1841

My dear Sir

I should have replied earlier to your letter on the subject of the professorship at Cambridge but that I had omitted to do so until I had consulted Mr Quincy - I learn from him that the salary offered to Dr Booth was \$2000, there was at the time a private subscription amounting the Dr's friends to the amount of \$10,000 to enable the College to pay this sum but this was only conditional on Booth's accepting the office & was returned to the subscribers on his declining to do so - some two or three years since a legacy of \$25000 was left the College for the purpose of founding a profes-

- ship of Natural History this sum amounts  
now from the accumulation of interest to  
25 or 27,000 \$ - of it is the income arising from  
this fund which is at the disposal of the  
corporation for the payments of the salary of  
the Professor under this foundation - Dr  
Pringle told me he thought a small class  
might be obtained from the medical  
students for a course on botany, but I  
doubt whether it would be easy to persuade  
the profession to engrave botany as a necessary  
portion of the studies of the medical students

What is there to prevent your paying us  
to visit, by applying nearer the fountain  
you may gain more information than I may  
be able to communicate tho' all within my  
power I shall be happy to furnish

Your very truly  
Jas D Greene

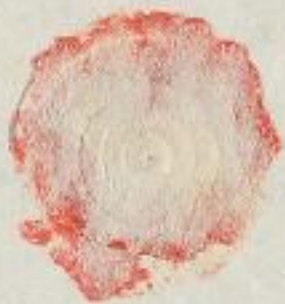
I have for a short time past been at work with  
my Leguminosae I find a good many duplicates  
as well foreign as native some of which you might  
be glad to have of which I should be happy to  
furnish - I see you do not allow the Lupinus differ-  
ens of Nuttall to be any thing more than a variety  
of villosus - I am rather disposed to think Nuttall  
right the shape of the corolla seems to differ as  
much as the colour, however where there is any doubt  
it is better not to be manufacturing species



*RB*

*Dr Asa Gray*

*New York*



Boston July 19 1842

Dear Gay,

I have been asked two or three times lately by Mr Lurvey when you were coming on to this part of the world as he was desirous of asking you some questions - to all which I have only to reply that I supposed you would have been here by this time

The President is fortifying out \$10,000 amongst the professors and wishes to send out his orders for books he told me that he had reserved 1,000 for you - Touching lodgings also I have been disappointed in those I first engaged for you & have had

to give them up I have since engaged  
other rooms for you for the vacation  
agreeing that you should have the  
right to give them up at the end of  
the vacation but giving notice of your  
determination to quit on or before the  
10th August - since I have taken rooms  
I have had others proposed to me which  
I think will suit you better than  
the ones I have engaged - but I think  
it better that you should come on &  
look round for yourself before making  
any permanent agreements - When  
you come on you had better stop  
at No 3 - I may be there or at Cam-  
-bridge but am every day in town  
& there will be a room ready for  
you & somebody in the house to take

care of you

Yrs truly

Henry D. Owen

*R*

*Dr. A. A. Gray*

*New York*



Wm L Greene



Boston. 9<sup>th</sup> April.

My dear J<sup>r</sup> Gray,

I received  
your note of the 1<sup>st</sup> inst. and  
thank you for attending to the  
Maj<sup>r</sup> Westerman - Mr Green  
received his degree at Edinburgh -  
I do not know the date - He  
left Boston Nov: 1819. & returned

In the summer of 1822 -

Very sincerely y<sup>r</sup>

M. L. S. S. S.



Mr W L Greene



My dear Sir,

I am much gratified  
by the notice of Mr Greene in the  
Botanical Neurology, which I received  
on Saturday. accept my thanks  
for so just and true a tribute  
to his memory —

J. Gray  
M. L. Greene.

3. Mr. Green.

4<sup>th</sup> May.

Nov. 10<sup>th</sup>  
1842

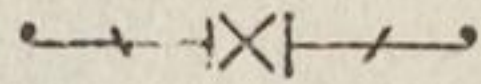
Dear Dr. Gray,  
The "Flora de  
Philippinas" is here - I was  
detained at Sarataya three  
weeks longer than we intended  
on acct. of Mr Greenough's in-  
disposition and on my return  
found the books awaiting us.  
They seem to us to be bound  
very satisfactorily - should you  
find time in the course of  
a week to come in  
some aft - I should like  
your opinion. I am always

at home Sunday afternoon  
and visited generally at  
that time except on <sup>the</sup> Fridays,  
but should I not be  
you will find them in  
the drawing room -

Sincerely yrs

Francis B. Greenough.

Organized February 24th, 1887, for Historical and Scientific Study and Research, and the Promotion of Literature and the Fine Arts in Texas. Pamphlets of interest are solicited, also letters and documents signed by distinguished persons, for a collection being formed for preservation in the rooms of the Society.



TRINITY HISTORICAL SOCIETY,  
DALLAS, TEXAS.

BEN. W. AUSTIN, Secretary.

Feb. 1. 90

Dear Sir

Have you letters or other papers signed by the distinguished persons mentioned below that you would send us for our collection? Entire letters, written and signed, would be much appreciated, being more interesting than the signatures alone. Would very much like photographs also, if they can be spared, and one of yourself, as well as your autograph.

Hoping to hear from you in reply, I am,

Very Respectfully Yours,

Mr. Sereus Watson  
Harvard College  
Cambridge Mass

Ben. W. Austin

Secretary.

Prof. Lisa Gray

Dear Madam

Today Mrs. Gray has handed me the enclosed which she has happened upon when writing by you to Dr. Gray in 1882 in relation to the copy of Blanco's "Flora de Filipinas", the first two volumes of which you <sup>had</sup> previously donated to the library of this herbarium. If you succeeded in obtaining from Manila the remainder of the work, <sup>as you proposed,</sup> I can but think that you will esteem it a favor that I recall the matter to your mind. If <sup>by any chance</sup> you did not I should be glad to know it, as I may perhaps be able to complete the set otherwise.

I am most respectfully

Yours very truly

Saw.

Am - 11<sup>th</sup>

Dear Sir

Went on home  
after you left & re-  
ceived a letter from  
my daughter Mrs Blake  
expressing a wish to  
complete the gift of  
Blanco's Botanical work  
to the Library

I shall therefore  
write immediately to  
Mr. White and when  
he has assured  
some terms I shall  
as long as I mean to  
those you saw.

Mrs. Blake wishes to con-  
tinue her brother's subscription  
& write with us in

giving the number or sheets -  
but as I shall be bound

to some appearance, the no. books  
on the subject can be seen  
in the margin -

Sincerely yours

Wm. B. P. P.  
Wm. B. P. P.

Biological Lab. Univ. of Pa.

March 2<sup>nd</sup> 1889.

Mr. Sereno Watson:

Dear Sir,

May I trouble you  
once more to ask about the name  
of another species of *Euonymus*?  
A specimen was sent me with the  
label *Euonymus Europaeus* var. *purpureus*.  
I can find no reference to this variety  
in the books at my command  
and I wish to know if there is  
any such. Can it be possible it  
was *Euonymus atropurpureus*?  
The stem certainly did not have  
the purple appearance of the fresh  
specimen just sent me from  
the Arnold arboretum marked  
*atropurpureus*, if I have read  
the label correctly. It would  
seem there are two distinct things  
though I have not any fresh



stems to compare with those  
sent me from the Arnold Arboretum.  
I had the first mentioned  
specimen from Mr. Mehan's  
nursery here near Phils.  
I would be very glad indeed  
if you can again unravel the  
difficulty. Very truly yours,

Emily L. Gregory.

Edinburgh Jan 4. 1839.

My dear Shuttleworth.

As it is not absolutely certain that my friend Dr. Asa Gray will have it in his power to deliver this letter I shall not make it more than an introductory one. Dr. Gray is Professor of Botany in the New University of the State of Michigan, & is on a scientific tour previous to entering upon his professorial duties. He is moreover engaged on a flora of America from Mexico to the Arctic Sea, in conjunction with Dr. Torrey. I need say no more to recommend him to all the kind offices of a brother of the Craft. I wrote in the Bot. Society's parcel which you will have received before these lines are presented.

I am  
yours with great regard  
Robt Gray Greville

R. J. Motteworth Esq.

Johnson

Berne.

Dr. Asa Gray.

Edinburgh Jan<sup>y</sup>. 26. 1839.

My dear friends

I have the pleasure to inform you that your parcel leaves Edinburgh this day by Heaney, directed to Mr. Hume. - It would not pack well into my bookseller's parcel. I hope it will reach you in safety. The bus, came from Mr. Adie's two hours after you left my house. Be so kind as to send me a line when you have received the package.

Can you tell me whether Rubus Solent is really a native of America? Pursh describes it & Torrey on Nuttall's authority says it is indigenous throughout Upper Canada & on the borders of the Lakes of the St. Lawrence. But Hooker leaves it out of his Flora entirely, having no reference to it, even as an erroneous synonyme! Under R. strigosus, he

Assumes that it, (*R. strigata*), seems to hold  
the place of *R. Solani*, by which many people  
be inferred that ~~it~~ he does not regard  
the latter as genuine, although this does  
not certainly follow.

I shall rejoice to know that you  
have got access to Pursh's Herbarium.  
I trust your residence in London  
has been altogether agreeable to you  
as a man of Science.

The ladies desire to be very kindly  
remembered to you; & I beg you  
to believe that I am

with much regard & esteem

Very faithfully yours

J. Greville

I have taken a bit of the *Mg* &  
that I have sent you, in order that

I may render the collection more  
complete, which I shall be able to do  
in another season. I shall then send  
the confidential species.

JAN 28 1848

Adm:  
1/2

Dr. Isaac Gray.

Care of Mr. John Thompson  
21. Northumberland Street  
London Strand

JAN 28 1848



eh

Edinburgh April 5. 1851.

Neuhaven - Ceracanth  
coloured tube - short  
young

My dear Dr. Harvey

Among some Algae  
sent to me to be named  
& which being required  
I have been obliged to  
look at in a desperate  
hurry, I find a Ceramium  
fixed down, from which  
I have abstracted the  
enclosed morsels - I could  
not satisfy myself about  
it, & send it to you  
as the Refuse for the

distressed in such cir-  
cumstances - what is  
it?

Yours faithfully,

R. H. Greaves

Dr. Harvey.



Amud, Nr. 4.

Göttingen, 11 Aug. 1853.

Dear Sir,

Safety you have honoured me by communi-  
 cation of several of your publications,  
 especially of the Part 1. of the *Plantae*  
*Brightianae* and at the same time did  
 you oblige me by promising further attention  
 of this kind. I beg you to accept my  
 sincere thanks and I <sup>should</sup> wish to send  
 you some contributions to the systematic  
 of European plants  <sup>lately published</sup> as well as my  
*Atlas Jahresheft*, if I had only  
 an opportunity. If you could name  
 me any merchanthouse in Germany which  
 would take care of parcels destined  
 for you, I might communicate  
 hereto kind plants, either rare European  
 ones, or some original specimens especially

THE B. COLEMAN  
15 B. COLEMAN  
NAT. 1814 8 11  
Verviers.

COLEMAN  
15 B. COLEMAN  
Verviers.

Americ  
Packet.

Amud  
SEP 12 1853  
GÖTTINGEN  
Verviers  
New York



of the Flora series originating from late  
Mr. Luthman's collection, and perhaps it would  
be convenient to you to exchange them for  
American ones.

I remain, Sir, respectfully and  
faithfully Yours  
Agnes Clark.

Prof. Asa Gray,  
Cambridge.



orig  
June 14

Göttingen, 4 Jan. 1854.

Dear Sir,

I have received your friendly letter of  
4th inst. and according to your wish I  
send to day a parcel for you to Dr.  
Flügel, which contains the Suplicate  
of the Lulchaurian specimens that I could  
spare, about 180 quires, and besides 160 quires  
of South European plants, either collected by  
myself or communicated by correspondents. I  
wish that also there might be acceptable to  
you and, if it be so, I could name at  
a later period another choice of German  
plants and; if you were not among his succe-  
sors, of Youzeau's Spanish Suplicate. Of  
North American plants I possess Engelmann's  
collection from St. Louis and Francis one from  
Ohio and Pennsylvania, besides a choice collection  
from the British territory presented me by  
his W. Hoare but containing only Polygalae.  
Therefore almost any thing from the southern  
and from the mountainous tracts as well  
as from the northern states and from the

5  
10  
2  
Dr. Engelmann  
Washington  
Cambridge Mass  
Boston  
New York



7 # 1

newly made expeditions would be highly ex-  
pedient. But do not think, that I should  
ever make any claim upon you: for I know  
by my own experience, how tiresome is writing  
duplicates, and seldom get to it, if not  
my health prevents me from scientific occu-  
pation.

According to your instruction my parcel  
is addressed to the Smithsonian Institution,  
with your name particularly written  
within, and I have sent herewith a  
note to Mr. Flügge, that he might be  
disposed to take care of it.

I have inclosed the Yearbook for the  
years 1849 and 1850; that for 1851  
has not yet been printed but will be  
published next spring. The first part of  
my monograph on *Nivearium* is also  
put to the other papers: I am now  
occupied with the redaction of the second  
part, that will contain my general  
views on European phytogeography.

My dear Sir,

Yours very faithfully  
Griseb.

Prof. W. Gray  
Cambridge.

Answer

Nov. 1. (Answer to Peabody)

Göttingen, 15 Dec. 1854.

Dear Sir,

I am much obliged to you for the highly valuable collection of American plants you were so kind to send by your friend, Mr. Dean, and as you could not have bestowed upon me a greater favour than by this rich contribution to my herbarium, I cannot but acknowledge the friendly introduction of your young friend: for he has won already my esteem and my friendship, he attends my lectures on physiological botany and I am happy to see him often in my family. Mr. Worth, in whose laboratory he is working, joins with me in his affection, and both we find it surprising, that in such youth and with such a delicate health he is gone so far in scientific pursuits, and that having so shortly studied the German language, he is able to attend

and letters with you.

Every communication, you favour me with, is highly acceptable, and I acknowledge having some days ago received by Mr. Flügel - together with some other pamphlets - the first folio of the characters of some new genera of plants from Polynesia. By the same way I shall return some publications of mine, especially some remarks on a collection of Phytolippi from Vittoria. It is in this paper, that you will see some observations on the pretended affinity between Kramnia and the Leguminous plants, which you with strong arguments indeed have refuted. My proposition is this, that Kramnia cannot well be separated from Mounina, when the situation of organs towards axis is the same. Now we have cultivated here a species of Mounina under the curious name of *M. polygaloides*, when the situation of the flower is inverse, as in *Polygala*. I am sorry that I cannot communicate any

specimens, one single specimen having flowered last autumn. But I am aware by the arrangement in the Flora of the Northern States, that you consider Kramnia, as it appears, as a joining link between Leguminous and Polygalous plants: am I right therein?

If European plants should be of any use to you, I might offer a set of plants from Spain, collected by Younger, who of all collectors gives the best specimens.

I am this week occupied with a herbarium from Guatemala and another from Panama, both collected by Dr. Dussessaigne: do you know anything about this gentleman? He was in connection with Mr. Waples and from his herb the plants came into my hands. They are generally well preserved and there are duplicates.

With my best wishes, Dear Sir,

Yours sincere friend  
A. Griseb.

You know that Martius has given up his place at Munich, which is said to be his success.

Abund July 6  
Kuss für Mient

Göttingen, 11 June 1857.

*J*

Dear Sir,

W. Engelmann, when staying here, told me, that by your mediation I could get into possession of Mr Wright's Cuba plants: the fact is, that I am engaged in writing on the West Indian Flora and that therefore a complete set of Wright's collection is highly desirable. Perhaps would be great exceptional conditions of sale, if I engaged myself to send him the names of all ~~specimens~~ <sup>specimens</sup> which I could probably effectuate in a short space of time. At all events I take the liberty of authorizing you, my dear Sir, to send - either from the United States or directly from Cuba - all <sup>numbers</sup> ~~plants~~

GÖTTINGEN



GÖTTINGEN  
11  
JUN 11 1857

PAID

Professors Dr. Engelmann

Director of the  
Museum of  
Natural History  
of  
Göttingen

GÖTTINGEN  
11  
JUN 11 1857

without comment and <sup>destined</sup> destined for distribution.  
It is of a particular interest, that  
Mr Wright's plants may come over as  
soon as possible: therefore I wish them  
to be sent by steamer, and under my  
own address. Mr Wright might write  
me directly his wishes, and to what  
place I had to send the money.

My catalogue of Guadeloupe plants  
is nearly finished in printing, and shortly  
I shall send you a copy.

Last spring I sent you by way of  
Hamburg with packet-boat a set  
of my Panama - duplicates (without  
letter), which I hope had safely  
come into your hands.

The visit of Dr. Engelmann was  
highly grateful to me and only of  
too short a duration. He left just  
now Berlin and is going to Paris  
and London. I hope that our  
literary intercourse may in the same  
way be followed by personal acquaintances.

Since, if again you come to our old con-  
tinent. Do not forget, if you favour  
me with a few lines, to mention, whether  
our friend's health is improving, which  
was, I am afraid, in a bad state.  
Believe me, my dear Sir, Yours  
very sincerely and faithfully  
N. F. Schum.



Annex  
List 82

Göttingen, 25<sup>th</sup> July, 1857.

My dear Sir,

Having received your kind letter of the 8<sup>th</sup> July in the unseasonably short time of thirteen days, I feel much obliged, that you will procure a complete series of Mr. Wright's Cuba plants at a reduced price, under the condition, that I return as far as possible their names. I accept this proposition and shall pay at due time for your order to Mr. Röding of Hanover, with whom I keep a regular account.

But as I formerly expressed the desire to get the plants as quickly as possible, I must now tell you, that I have the intention to go in a few weeks to London and to spend there nearly two months for examining the Neffian plants of his W. Nassau's herbarium: therefore

It would not be required, that Wright's plants did arrive here before the middle of October (when I shall certainly be back again), and for saving money it might be better to have them sent by packet-ship v. Bremen. But if Mr. Wright returns later than was expected, as his plants are not ready to be sent before September, then I should prefer a steamer, in order that I might get them immediately after my return from London and be able to send the names before the end of the year: for I have just then leisure to study them and I calculate, that this comparison will require about two months, if there are about 600 species.

Fewster's Venezuela plants will be acceptable and you may send the set, which you offer, for the cost of 30#, together with Wright's collection.

Ever

The enclosure in your letter has been delivered.

My catalogue of the Flora of Guadeloupe and neighbouring islands, just now printed, is to be dispatched to you one of these days <sup>either</sup> by Mr. Nierke by the Prussian Institution.

Leipzig.

Believe me most truly and faithfully,  
as ever,  
J. G. S. G. G.

Copy. Cambridge, Oct. 20. 1857.

My dear Dr. Fitch,

- So your parcel must go by the Bremen steamer to leave at the end of this month from New York.

You have the fullest set of Wright's plants, including some unique specimens and added many that can only be seen in 0 or 4 sets. Only 13 sets were made. Yours runs to 986, Hooker's 920. Wright will do little more than recoum his expenses.

- At £. 2. The hundred your set amounts to

£. 19. 15. 0.

Deduct 1/2 3. 19.

£. 15. 16. 0.

I will besides defray the expense of sending to New York and shipping there.

Then you have to pay me for Fender # 36 - say in England at 4, 8/6, say

£. 7. 17.

15. 16

£. 23. 13

- I regret that the parcel could not be sent earlier, but I hope they will reach you promptly by the middle of the month.

Ever yours, cordially

Asa Gray.

In fidem cop. Fitch.

Copy Letter

A. G. W. P. M.

Oct 20/57

Göttingen, 10 Dec. 1857.

looking your remarkable observation  
on the one-celled authors of Rhénia,  
discovered by R. Brown.

Lately I had a letter from our friend  
N. Engelmann: it appears, that he  
intends spending some of the winter-  
months in Italy.

Ever yours, very affectionately,  
A. Griseb.

My Dear Gray,

It is only to-day, that I get your  
letter of Oct. 20., having left New before that  
time: neither have the plants as yet arrived,  
as by a peculiar misfortune they were landed  
excessively at Havre and on now, as I am  
informed by the Bremen agent, under tail  
from France to that place. Thus the winds  
will perhaps pass away, without my being able  
to examine the Cuba plants, if they do not,  
what I still hope, come in before the ice  
settling in the river of Bremen. When I got  
in due time your letter of Oct. 27., sent  
by the same steamer, by which you  
informed me, that I had to pay 36 \$  
for Feather's plants to Mr. Rösing, I  
forwarded this sum to my brother  
residing at Hamburg, but I have

reason to hope, that, in due conti-  
deration of the present and unparalleled  
state of the Hamburg trade, by which  
as yet about sixty houses have suspended  
payment, my brother has that money  
still in his hands: I write to say  
for it, and shall then care about  
finding out a safe way, to pay  
the whole sum, now mentioned, of  
£. 25. 13 for Feustler's and Wright's plants  
to Prof. Haroy, Dublin. But this is  
just now not an easy matter, all  
shocks from German banking-houses  
having now a chance of being protested  
in England. I shall therefore apply  
to our Hanoverian ambassador in  
London, to send the money to  
Dublin, and you will excuse, if  
some unavoidable delay should occur.

My stay at Kew was very inter-  
esting and I am now engaged in  
working out the Westfalian Melas

stomaceae, in which the genera require a  
new settlement, Naudin's work, though other-  
wise grain-worthy, being excessively weak  
in that point. The examination of the flower-  
bud seems to present good characters in  
the Miconiacae, the hanging part of the  
filament, jointed usually by articulation with  
the erect one, existing in some and wanting  
in others, and the anthers reaching either  
to the bottom of calyx or only to the ovary.  
What is your opinion about the morpho-  
logical nature of that hanging part? is  
it to be considered as a part of the  
filament or a tail of the connective,  
analogous to that protruding, real tail  
in the incumbent stamens of many Rhe-  
xiaceae? If you like to investigate into  
this question, pray compare specimens  
with such species of Miconia (Prenanthis  
St.), in which there is a developed hanging  
part of the filament. How much Naudin  
has neglected the structure of stamens, there  
is a remarkable instance in his over-

Löttingen, 23<sup>th</sup> Dec. 1857.

My dear Mr. Auer Jray,

The commissioner at Bremen (Finca's  
Carr.) writes me to-day, that his  
inquiries about the unhappy boat  
(concerning Mr. Wright and Foster's party),  
which he had made as well at Harre  
as at Southampton, have been wholly  
without result, and that the agents are  
of the opinion, that the boat must have  
been left at New York. I hasten  
to inform you of this state of the  
matter, that you may be able  
to adopt such measures as you think  
expedient: the name of the steamer,  
by which according to the letters ~~the party~~  
were to come over, was the North Star  
of the Vanderbilt line and it arrived

in Grimshafen in the middle of October,  
with the letter, but without the shell. In  
case of failure I hope, that it was  
insured, and that another set of  
these collections might be sent. Since  
a Comp., to whom the shell was  
consigned, have of course sent their  
reclamation to the commissions of  
New York, but perhaps with it prove  
more capricious, if in acquaintance  
of your case particularly about  
the matter. It seems me very uneasy,  
that I cannot now investigate  
into Wright's plants, the more so,  
as in Hooker's Journal of Botany,  
somebody has announced, that I  
would examine those plants, and  
as I have more leisure this winter,  
than perhaps at a later period.

Truly and Affectionately Yours,  
A. Griseb.



Göttingen, 19 febr. 58.

My dear Miss Gray,

Having received to-day your letter of febr. 1., I return immediately a note of the Bremen agents, by which most unhappily the loss of the chest seems to be confirmed.

... They offer to make the ship-owner answerable at Bremen, but I must leave it to you, whether this would be the right plan: I think, that the measures, which you have taken at New-York, are to the purpose.

My conjectures are at an end: I thought first, the box might be transmitted at Bremen to somebody else, but the measures, to find it out there, were of no effect. I shall still try an advertisement in the Bremen-papers. I believe, that

Pliff. July 19/58

The sheet must either have been shipped at New-York on a wrong steamer of the Vanderbilt-line, or that it had been spoiled on sea and in consequence taken out of the way clandestinely by those who were amissable.

It is a loss most melancholy to myself. I go to London next month and shall then see Sir W. Rostk's etc. But if the specimens do not remain in my possession, I do not see how I could name them in a short time and without inconvenience. Is there then no other set? nor of Jussieu's plants?

But we will not yet give the loss really lost, we will hope.

Ever yours, my dear Mr. Jussieu,  
faithfully and affectionately  
A. Frischbach.

Arrived in Kew  
Sept 1

PLM. 12 Aug 1858.

Göttingen, 12 Aug. 1858.

My dear Mr. Asa Gray,

In acknowledging the receipt of both your letters,  
(the letter of 12 July, only received a few days ago), I  
feel much obliged for your kindness to present me  
with the Paris collection, which according to your  
instruction I have got from Mr. Delessert, and I should  
have expressed my deep sentiment of obligation with  
an earlier ~~time~~ <sup>epoch</sup>, had I not wished to give you  
an actual sign of my working in it at the same time.  
Now I send you a list of what I have done till  
now, 46 names of species examined accurately, and besides  
the result of comparison in the Hookerian herbarium,  
containing 80 Monopetalous plants, which however partly  
with <sup>new</sup> confirmation and will therefore be quoted again,  
when I come to those orders, sending you by and by  
the determinations, as they advance. You may expect  
at the end of my investigation all the names of the  
Monopetalous and Monocotyledonous plants, as I see  
them in the Hook. Herb., but as the Wrightian collection  
was already incorporated into the general collection when  
I came to Kew last year, I cannot afford more of  
the Polypetalous and Apetalous than what is contained in  
the Paris set, as I had finished with them in Kew  
beforehand. There will be the question, whether it is  
advisable to send after all those plants of your own  
collection, <sup>for examination</sup> which will not come to my knowledge;  
I am rather afraid of such a double messenger, and  
and at least it cannot be decided upon now, but  
after a great length of time, which is required for

I am obliged to you for the Paris-visit.  
expectations - getting, but I am not sure  
whether they come by looking.

P.S. I am glad, to find at last the  
letter, and send the Paris copy.

my working out the single orders and finishing those, which I have now at hand. I am glad, that Mr. Wright is again going to Cuba, and I hope, that a better luck will put me in possession of his entire, new collection. I calculate, that he might collect safely some more sets: for instance Mr. Turgeon now desired one of the first collections, and I am sure, that if my poor chest was still recovered, he might have my Paris set.

I am very sorry, that, if I will not delay any longer this communication, I must send it off without the <sup>desired</sup> copy of your letter, which I cannot find now among my papers. But I recollect perfectly its contents, and perhaps it is not absolutely necessary. You wrote in a few words, that the chest contained

1. The entire collection of Wright's Cuba plants,
  - and 2. A set of Fendler's Venezuela-plants,
- and then the price was noted separately: afterwards in another letter you stated, that manuscripts of Wright's hand-writing were also in the last chest.

The original bill of lading, endorsed by Finck & Comp., I enclose. According to what I hear from persons, who are apt to judge on such matters, I am satisfied, that Paulsen & Co. is likely to pay for the last chest.

*Hibiscus* (<sup>gen.</sup> *Rourea*, *Flacombia* sp. nov. Kth.) I put into the *Flacombiaceae* tribe of *Gixiniaceae*, next to *Heuania*. The Jamaican species (*H. nitida* Willd.) is very variable in the number of flower-<sup>carpels and other characters</sup> organs, and comprises *Rourea variosa* Poir., *Flacombia elastica* & *flemosa* Kth., *H. nitida* & *puberula* Willd., *H. Rourea* Clos and *Proelia obovata* Poir. The range of this genus comprises nearly the whole of tropical America (e.g. Spruce 1973). Other species of the genus, distinguished by their inflorescence, are: *Flacombia pumifolia* Kth. (Linden columb. 1667), *F. Muthamitub.*, *H. calophylla* Nees (Spruce 1800) and *H. inhamidia* Seem., none of which grows in the West-Indies. - Thankfully and faithfully Yours for ever, N. Friesbach.

I am about to send the next month again in Paris - please send to Mrs. Fendler's name with the sets.

Pl. Wrightianae.

29. *Lida jamaicensis* L.  
76. *Colubrina rectinata* Gray.  
74. *Cissus sicyoides* L.  
72. - *trifoliata* L. (non Jacq.)  
73. - - var. (*C. intermedia* Rich.)  
57. *Clusia alba* L.  
50. - *rosea* L.  
54. *Mastocycnia umbellata* L.  
58. *Gomphia alatacanifolia* Rich.  
76. *Triopteris rigida* Sw.  
92. *Heteropteris laurifolia* Foss.  
95. *Zamioculca pauciflora* Kth.  
93. *Hymenophyllum microphyllum* Gr. n. sp.  
83. *Malpighia oxycocca* Gr. n. sp.  
90. - *glabra* L.  
84. *Byrsosmia biflora* Gr. n. sp.  
82. - *spicata* Rich.  
102. *Stemmadia occidentalis* Sw.  
106. - *Camiria* Sw.  
103. *Cupania trachycarpa* Gr. n. sp.  
108. - *americana* L. (*tomentosa* Sw.)  
108<sup>a</sup>. *Serjania crenata* Gr. n. sp.  
111. *Turpinia occidentalis* Don var.  
69. 107. *Guarea toschiioides* L. Cav.  
62. *Tobinia emarginata* Desv. var. (Syn. *Kauroxylum coriaceum* Rich.)  
61. *Ravenia quetchebitis* Planch. (*demonca* Lindl.)  
64. 65. *Picramnia pentandra* Sw.  
115. *Gadiera Samiguensis* DC.  
113. *Polygala*? *cuneata* Gr. n. sp. (perhaps a new genus, the authors opening by an aukroid foreword, but I want the fruit).

and Nov 27  
Göttingen, 3 febr. 1859.

My Dear Messrs!

I have to acknowledge the receipt of two excellent letters of Sept. 1. and Nov. 22., the latter of which arrived late in January. When I left New in October last, having had my baggage there in a hurry, when typhoons few loose out, I caught something of a influenza, which has spoiled the former months of this winter. But now my *Wrightian Flora* advances, and I send you the determinations of Wright's plants as far as I am now advanced, keeping back still the *Euphorbiaceae*, which are now my study and among which are very curious ones.

I shall be very glad to receive the no. 1638. 2 of feathers etc, and agree with the terms, <sup>former</sup> <sup>pyrith</sup> <sup>to Rich.</sup> but cannot promise, to give species-names in all cases, nor finish the determination sooner than my *Flora* advances. As to the original set being in possession of Mr. Lawell, I must frankly avow, that it exceeds my budget for the present time, but that I should like very much obtaining it at a more moderate price. If possible, let it not be given away to somebody else before

obtained information.

I am much obliged to you, my dear friend, that you declare to take all the risk in the law-suit: for I felt rather uneasy on that account, not knowing the chances of such a proceeding in America. In formation, when required, shall be sent with the first steamer.

I am very glad, that Wright is again in Cuba, which island is certainly richer than all the British islands. His plants I shall name as soon as possible.

As you allow me to name such publications of yours, which are not yet in any promise, I want still your work on the Pacific islands; but as there are so many plants, perhaps I want still more modestly, to mention it.

I find, that *Hirsigenia* is indeed an older name, than *Hylomea*, and I am glad of it, as *Hylomea* sounds almost as the *Fungus Hylomea*. *Hirsigenia* was published by Willdenow in 1792, *Hylomea* by Forster in 1798: it is as much as I know, not mentioned in Forster's first publication. - In your former letter you asked me a few questions with respect to my former determinations, but unhappily

He said in your next letter, I am quite satisfied that it is really a *Juglandaceae*, and would change the characters of this order. When arborea Sw. is nothing but *Hamamelis Comensis* Sw. I am yours faithfully J. Smith.

I have mistan the paper, when at Kew. I recollect however, that the curious *Clidemia* without lateral ribs did not agree with your number: I have it in my own Paris set, when it is no. 175. Then you begged me to compare a luxuriantous little plant with a *Jelopyras* one in the *Haesleria* herbarium: I did so, but found the single *Jelopyras* specimen so defective, that the identification appeared impossible, but a general resemblance was obvious.

Is there no chance that your *Genus* *hor. am.* may be continued? This book is exceedingly useful to me, and I have often admired the correctness of your views, when moving out the *Thalassiflorae*. In the *Linnaeaceae*, which I know not how to distinguish from other *Rutaceae* plants, I have found a curious identification, viz. the same *famica* - tree, figured by Moench, and since described under four names in four different families. This is *Juglans baccata* L., and its synonyms are *Ulmus arborea* Macq. (non DC.), *Schmidelia macrocarpa* Poir. cub. c. icones, *Picrasia* *Iran arboreum* March! The latter genus-name with last, as it is a new and remarkable type among the *Juglandaceae*, forming a link with the *Trochilataceae*, by having a 2-celled ovary, and 2 ovules in each cell. Though I want still the male flowers (which perhaps you may have among Wright's plants, and in that case would oblige me much by an amentum to

Wright's Cuba plants.

- |  |   |
|--|---|
| 492. <i>Fadyenia Woodsoni</i> Crot.  | 1254. <i>Phoradendron wrightii</i> folium fr. n. sp.              |
| 477. <i>Oreodaphne leucosylon</i> fr. (Laurus hb.!) syn. <i>Ocotea puberula</i> Wt.?             | 221. <i>Arcanthobium epiviscum</i> (Viscum Wt.) n. sp.            |
| 484. <i>Mutandra sanguinea</i> Roth.   | 225. <i>Viscum domingense</i> sp.                                 |
| 485. 486. <i>Mupstamba pendula</i> Wt.   | 226. <i>Cremolypis wrightii</i> fr. n. sp.                        |
| 496. <i>Phoebe montana</i> fr. (Laurus hb.!) <span style="margin-left: 100px;">fr. n. sp.</span> | 546. <i>Phyllocoryne jamaicensis</i> Hook.                        |
| 200. <i>Parristora <del>triflora</del> juncea</i> L.   |   |
| 201. -   |   |
| 197. <i>Quercus grandiflora</i> P. <i>hedoracea</i> Cav.   | <i>M. Fendler. Fover.</i>   |
| - <i>parristora</i> P. <i>minima</i> L.  |   |
| 204. <i>Cecus triaphornus</i> DC. & H.   | 1808. <i>Agdendron?</i>   |
| 206. <i>Abipratia Canyia</i> fr.   | 880. <i>Cyclanthura</i> sp.                                       |
| 1250. <i>Weinmannia pinnata</i> L.   | 495. <i>Ceratocanthus tuberosus</i> fr.                           |
| 1249. <i>Gyneria cubincola</i> Cav.  | 493. <i>Uelothia microsarpa</i> fr.                               |
| 202. 1246. - <i>Wrightiana</i> Cav.  | 502. <i>Lycop</i> sp.   |
| 1247. - var.?  | 2355. <i>Ryania speciosa</i> V.                                   |
| 1248. - <i>Indiana</i> Cav.?   | 2348. <i>Parristora glauca</i> aff.                               |
| 212. <i>Viadophyllum Jacquinii</i> fr. (Hedera arborea hb.)                                      | 2327. - <i>Stipuleta</i> Aubl.                                    |
| 211. <i>Panicum spodiopum</i> W.   | 1879. - <i>truncata</i> Jacq.                                     |
| 213. <i>Hydrocotyle spicata</i> Lam.   | 1877. - <i>rubra</i> L.   |
| 1255. 1303. <i>Lorentium pauciflorum</i> W.  | 2328. - n. sp.  |
| 1252. <i>Phoradendron hexastichon</i> fr. (Viscum DC.)   | 493. <i>Mentzelia</i> sp.   |
| 1257 partim. - <i>mercuriale</i> fr. (Viscum DC.)  | 1876. - sp.   |
| - partim. 216. 217. - <i>Whitotium</i> fr. (- Sw.)   | 1753. <i>Gyneria</i> (Wagneri) diffusa Wt.                        |
| 218. 1300. - <i>Leptostachyum</i> (- Wt.) n. sp.   | 552. <i>Lanicula</i> sp.  |
| 1302. - <i>rubrum</i> fr. (Viscum L.)  | 1064. <i>Aristolochia adu-</i> <i>retinaria</i> L.                |
| [220 <sup>6</sup> ] - <i>macrostachyon</i> fr. (- Jacq.)   | 1119. <i>Loranthus Strobil</i> L. (L. <i>sessilis</i> Mey. 1855.) |
| 1253. - <i>myrtioides</i> fr. (- Wt.)  | 1811. <i>Phoradendron Gortnerianum</i> fr.                        |
| 220. 222. 220 <sup>a</sup> [219 <sup>a</sup> 225 <sup>a</sup> ] - <i>lucifolium</i> fr. (- Lam.) | 1762. - <i>Panicum</i> fr.  |
| 1301. - <i>sessifolium</i> fr. n. sp.  | 1810. - <i>rubrum</i> fr.   |
| 220 <sup>b</sup> - <i>constrictum</i> (Viscum Wt.) n. sp.  | 1761. - <i>Fendleri</i> fr. n. sp.                                |
|  | 1809. - <i>binarium</i> fr.                                       |
|  | 2623. - <i>myrtioides</i> fr.                                     |

The numbers are perhaps commixed accidentally by my servant.

Göttingen, 21 May, 1860.

My Dear N. Asa Gray,

The time since I got the excellent herbarium containing Wright's second set has been uniformly employed for this determination, and next week I shall send by the American consulate at Bremen a complete list of those species I have studied (about 300) together with diagnoses of all the new species, with the exception of a few which I have published in a German paper (on *Agdalis* and other remarkable plants): you shall have a copy as soon as the printing is finished. I have added to the list a few names from your former letters, only such where you gave the name with confidence: then which I have not seen myself are included in brackets in my list. If you like, you may publish the paper as it is in an American periodical, but would be

condition that the printing gets on immediately  
and the revision of the letter-press <sup>of the glass</sup>  
under your special care. This first part  
of the list of Wright's plants would (in  
the same order as in any *West Indian Flora*)  
go down to the Melastomaceae. If you  
undertake to print it, I should like  
to get a few galathea-copies if possible,  
or more if convenient.

Of known plants I have given only  
the names, as, you are aware, everything  
is meant in reference to any *West Indian*  
*Flora*, and nothing is added but what would  
be an useful addition to it: thus far in-  
clude all observations on growth, colour,  
& given on the tickets by the traveler.

The only numbers, which as either sort  
of flower or fruit would lead to doubtful  
determinations, and consequently are excluded  
from the list, are the following. Perhaps  
you may give some explanation, when you  
have more complete materials, as the Wright,  
if still in Cuba, might be desired to look

after these plants and to collect the wanting  
organs:

- no. 1130. Habit of a *Lanthocentrum*, but pro-  
bably not belonging to that order. Wanted fruit.  
no. 1464. Probably Euphorbiaceae, distinct from  
*Hyptis* by 10 stamens and obscure anthers. Wanted  
♀ and fruit.  
no. 1159. ♀ wanted flowers.  
- 1160. }  
- 146. Sapindaceous, intermediate between *Cu-*  
*pavia* and *Sapindus*, or one of their genera.  
Wanted flowers.  
- 59. *Courmarica* var. *As. Gray*. Wanted flowers  
and seed.

I have not yet opened the two  
parties of Jewell's plants, as I have  
a desire to tell them to a gentleman  
of my acquaintance. The correspondence is still  
pending and I hope to communicate a  
favourable result in my next letter.

I have written about Turgenionov,  
but am still without answer.

You will see from the names next page  
that I have finished all the *Polypetalum* and  
*Apetalum* orders, and have now to begin *Subisanae*.

Ever yours affectionately  
DeCandolle.

Mr. Wright with some separate, than I paid him the sum for the  
Wright's plants.



Göttingen, 24 Sept. 1840.

My dear Asa Gray,

From your note of Aug. 31. it appears, that my *Chizandra nodosa* is a mistake, hence I beg to cancel the article altogether, being not able to determine that plant (no. 1104). My specimens are in fruit only, and just the want of blacklets between the carpels led me to suppose them to belong to an elongated form, while the homogeneous tissue of the seed round a sufficient argument against the plant being Menispermaceous.

In similar cases, when from better materials you are convinced of a mistake, you will oblige me, as I stated before, to cancel the determination in my next. without special leave, merely mentioning the fact afterwards in letters.

which is the next town near Villa Montevideo. In August I have nearly finished the Rubiac. case, in which there are several remarkable new genera, Ferdinandea & Psychotria. In the Rubiac. I have chiefly followed your and Graham's hints, giving up the Russian state of *Cinchona* as a tribe-character and replacing it by valvate

acquisition. Among the West-Indian genera  
I have reduced *Higginia* to *Hoffmannia* and  
*Strombosia* to *Rondeletia*, in both cases from  
Walters' and Poiteau's original specimens.

Since August I have been in the Alps  
to recruit and am now beginning my work  
again. - Gunge of August was here lately, who  
promises much from his Herak - journey: he  
has excellent observations on the *Chrysopidae*;

the third part of my Flora is ready to  
be sent to the subscribers: but now some  
interruption will take place for Dr. Gordon's  
journey to Syria, who was to correct the  
proofs.

Ever yours, Sam. J. Gray, Secretary,  
Museum.

72  
Föhring, 3 Oct. 1860.

Dear N. Asa Gray,

Yours of Sept. 6. arrived only to-day. My determination of Maydenus huai-folius (Monte-  
verdi) rests upon complete specimens collected  
by Regel, differing from Richard's analysis only  
by bivalved fruits. I cannot pay much, but  
cannot spare a flower: but I hope, that this  
will be sufficient to clear up the question. As  
to Mr. 46's of Wright, of which I have only  
a few young fruits (and no flowers), I con-  
sider it to be the same plant, from habit  
only, not wishing to yield the scanty materials:  
but having now dissected one of the fruits, I  
see a different structure and am obliged to you  
calling my attention upon it. But pray, conceal  
only my line, and add your name and signature  
between brackets: for I am not satisfied,  
whether any specimens be identical with yours,  
the upper surface of leaves being quite venose, the  
under with immersed veinlets only, as you will see  
from the enclosed leaf. And I am not able to  
give a name to my scanty materials. I hope,  
that this note arrives in time. Yours, very truly

H. Fischer.

Proprietor N. Asa Gray,  
Cambridge, near  
Boston.  
New-England.





specimens I found no. 1635, which is, as you suppose, *Lyonia jamaicensis* Dou, and 2 Compositae, viz. no. 1239 = *Yucida* Guerin h., and no. 1237 & 1240 = *Y. capitata* Vahl. Such omissions may be mentioned at the end of the whole. Mr. Goënie has communicated the names of the Euphorbiae left to him, viz. no. 553 (which I had not, but of which he sent a fragment, agreeing with a Cuban species of Kuzel's, which I had named *E. thripaloides*): this is *E. cassythoides* Goënie. centur. Euph., and no. 555, which he declares to be *E. pulcherrima* W. - My *Wheedia* will prove a good genus: my doubts will be cleared up, since I have found a good specimen in H. Hook. under the wrong name of *Jacquinia ruscifolia*: *Jacquinia J. ruscifolia* exists in Wright's collection and has no resemblance to *Wheedia*, it is no. 353 in Hooker's list, and you have put it to me as no. 349, by mistake probably, as no. 349 in the former list is *Stedisa jacquinoides* m., which latter (combining the habit of *S. acuminata* with the shape of *Stedisa*), occurs at Mantapas too: Missour has regarded it to be *S. maculata* Poit., which is unknown to me, but is described

as having a compound panicle. - I hope, that you have replaced the name of *Raputia* no. 1129 by *Pilocarpus*.

My manuscript of the Rubiaceae and of the *Lyonia* and following orders down to the Sapotaceae is ready, but is to be copied. If you desire, I might send these parts, but perhaps it is better to wait, till more orders are finished. Very truly and cordially yours, A. J. Smith.

Among the Rubiaceae there are many new species, viz. 1 *Spinaethus* (1263.), 1 *Schradia*, 2 *Exostemma*, 2 *Ferdinandea* (264. 1621.), 1 *Pondichia* and 1 *Poitaea* fr. (1266., which proves identical with *Stevensia buxifolia* Poit.), 1 *Manettia*, 1 *Oldenlandia*, 3 *Guettarda*, 1 *Stenotamnus*, 3 *Chione* (250 = 1286, 1287 = 1288, 1289), 1 *Eriothala*, 7 *Phytolacca*, 1 *Machaonia* (275 = 433.)

Continuation of Fendler's Venezuela plants.

	2261. <i>Majeta</i> n. sp.	1844. <i>Miconia laevis</i> H.
	2504. 2594. <i>Offsea</i> n. sp.	- 1841. - <i>curymacnoides</i> G.
	- 440. <i>Clidemia rubra</i> Mt.	- 1840. - sp.
	- 2261. - <i>latifolia</i> St. var.	- 1833. <i>Cremanium trinitatis</i> G.
	- 412. - sp.	2265. - aff. <i>C. aegyptiacum</i>
	3) 2225. - aff. <i>C. plumosum</i>	2547. <i>Blasia</i> aff. <i>B. grana</i> Trujillo and
	- 1848. - aff. <i>C. spicata</i>	1830. <i>Miconia</i> sp. (Schubert)
mis take	398. 1845. - <i>hirta</i> St.	<i>rinia</i> Karst.)
	2324. <i>Pithecia ibaguensis</i> G.	- 407. <i>Arthrostemma</i>
	2379. 2399. <i>Diplazium Fokuzitavus</i>	<i>ladanoides</i> DC.
	- 426. <i>Miconia argyrophylla</i> St.	402. <i>Heteronoma</i>
	2304. <i>Arthrostemma lamellatum</i>	<i>diversifolium</i> DC.

And. C. A.

April 20

Jöttingen, 16 March, 61.

My Dear N. Asa Gray,

As to morrow I am going to New, I write only a few lines, to acknowledge the receipt of the 75 copies of the pl. Wrightiana, and of two letters. You propose to take half of your outlay of 8 dollars on yourself, but I cannot accept this, but shall pay this sum to Mr. Köhler together with the money due to Mr. Fischer, which is the chief subject why I write this in haste. After several vain attempts to sell the ~~two~~ bundles of his Venezuela plants, I have now so far succeeded, that Harting in his quality as keeper of our university's herbarium has taken part of them, and I shall take the rest, including the Melastomaceae. There is however a small difference in the numbering of the specimens, which Harting and myself did jointly, viz 369 (instead of 376, as given in Fischer's handwriting on the envelopes). As soon as I get the money, I shall pay 36 1/2 American dollars on your account to the

Röding, and I hope that Mr. Feather  
will be satisfied. Getting has a particular  
interest for Cyperaceae and allied ~~monocotyledonous~~  
orders: are there disposed of by Feather?  
I suppose, Wendland gets the palms.

The Rubiacinae were printed lately, and if  
the 4<sup>th</sup> fascicle is given out, you will see,  
that on *Leopodium* I made the same  
observation as you wrote me, and had  
consequently separated this genus from *Lincho-*  
*ura*. I am glad of this coincidence.

Just now I have finished *Scutellaria*,  
in which there are 2 very interesting plants  
in Wright's plants, the *Convolvulus umbellatus*,  
which proves a new genus ( *Galearia*,  
instead of the vulgar Linnæan genus) and  
a plant, allied to *Lisianthus* with large,  
long peduncled, aestivation flowers and a very  
protruded involucre: could I get another  
flower as had enclosed in your next letter?  
You will easily find it, I cannot give  
the number, as my notes are prepared for  
my journey. It is a link between *Lisianthus*  
and *Lisianthus umbellatus*, I have named it  
provisionally *Lisianthus*.

Ever yours cordially,  
M. Schlecht.

Selected numbers of Wright's plants, such as are  
new or peculiarly interesting.

254. quid? insufficient.  
1263. *Sphinctanthus* wasiformis fr.  
1264. *Schudera cephalophora* fr.  
1253. *Hoffmannia lauculata* fr.  
1258. 1259. *Coelostemma rotundatum* fr.  
1257. - *striatum* fr.  
1260. 1261. - *Valenzuelae* Mich.  
1264. *Ferdinandea peltata* fr.  
1262. - *brachycarpa* fr.  
1266. *Woodsonia Porteri* fr. (Scler-  
ocenia laucifolia Brit.!)  
1267. - *rigida* fr.  
1268. *Mucella lygistoris* fr.  
1268. *Obolobedia callitrichoides* fr.  
1269. *Lucya tuberosa* fr.  
1271. 1292. *Sphegodes bracteata* fr.  
1273. 1293. 1294. 1616. - *reticulata* fr.  
1296. - *macrocarpa* fr.  
1297. 1298. *Hemistomum granulosum* fr.  
1250. 1278. 1286. *Chiosia lucida* fr.  
1287. 1288. - *dissecta* fr.  
1289. - *unifolia* fr.  
1267. 1268. *Critheia rotundata* fr.  
1249. *Myrsotria alijuncta* fr.  
1282. - *tenifolia* fr.  
1284. 1285. 1385. - *coronata* fr.  
1242. - *costivenia* fr.  
1274. 1666. - *lesioophthalma* fr.  
1280. - *trispicata* fr.  
1627. - *hebecladoides* fr.  
1281. - *pyramidalis* fr.  
1276. 1276. 1627. - *patens* Sw.!  
1628. - *mutans* Sw.!  
1275. 433. *Machaonia microphylla* fr.  
1306. *Vernonia hirsutoides* fr.  
1307. 1308. *Lupatorium laucifolium* fr.  
1287. - *planchoides* fr.  
1629. - *hypoleucum* fr.  
1303. *Miskaria huasteca* fr. (Eup.  
Houstonia Sw., var. Sw.)  
1299. - *corydalifolia* fr.  
1319. *Lantanosmia Wrightii* fr.  
1312. *Microcarcia repens* f. Hook.  
1276. *Salama grandiceps* Less.  
1317. *Calydemos spilantheroides* fr.

1371. *Phormium*  
*lygistoris* fr.  
1371. *Phormium*  
*lygistoris* fr.  
1371. *Phormium*  
*lygistoris* fr.

327. *Scaevola linearis* fr.  
328. - *plumbea* fr.  
329. - *polypetalica* fr.  
288. *Lichum Wrightii* fr.  
333. *Lucia india* fr.  
1319. *Tupa tuberosa* fr.  
352. 1332. *Wallenia durifolia* fr.  
357. *Arctia laucalioides* fr.  
1334. - *multiflora* fr.  
349. - *jacquinoides* fr.  
353. *Jacquinia rustifolia* fr.  
1323. *Lepota (Micropholis) polita* fr.  
1324. *Sideroxylon masti-dendron* Jacq.  
(*Gumelia pallida* Sw.!)  
1329. 1330. - *Diclyantherum* fr.  
347. *Gumelia glauca* fr.  
1135. 1321. *Symplocos cubensis* fr.  
1331. *Macraeghtia caribaea* DC.  
409. 619. *Haemianthus salicifolius* fr.  
(*Coussinia thionantha* Cassellato Sw.)  
1388. *Linaria acutiflora* fr.  
1304. *Myrsotria Jacqii* fr.  
1386. *Nannopsis salicifolia* fr.  
1663. *Aneides aspergini* fr. (Edithia?)  
1396. 1660. *Humoria villosa* fr.  
1664. *Thymanthus? corymbosus* fr.  
1377. *Edithia calycota* Mich.  
399. - *valenzuelana* Mich.  
405. *Amphithela fetiformis* fr.  
(*acuminata* in fam.)  
1664. *Epilobium fijiense* fr.  
1375. *Marstonia campanulata* fr.  
1372. *Loepartia volubilis* fr. (Lantanosmia  
Mich.)  
1347. *Lijanthus thamooides* fr.  
1346. *Zonanthus cubensis* fr.  
378. 378. *Hemianthus callitrichoides* fr.  
393. *Gumelia purpurea* fr.  
394. 1349. - *vincifera* fr.  
1357. *Cyperum septentrionale* fr. ubi. All  
Soleana  
are  
known.  
1341. *Teioma lepidophyllum* fr. (Mijaminthia?)  
369. *Diarrhena peploides* fr.  
1342. *Amthacanthus bipinnifolius* fr.  
1335. *Conradia corrugata* fr.  
358. 1376. *Colomena tinata* fr.

I beg you to forward the enclosed note to our friend Dr. Steud.

Göttingen, 13<sup>th</sup> Aug., 1861.

My Dear Dr. Steud.

It was such a great pleasure to me, that you  
had the kindness to send me your photograph,  
so, as you expressed a mutual desire, I did  
not wish to thank you without returning my  
own, and it is only now that I succeeded in  
getting a tolerable one. In this case, when there  
is so little chance of personal meeting, this custom  
of exchanging photographs is invaluable, and my  
working-room looks now comfortable, since ever  
against my seat yours is constantly before my  
eyes, between those of both Hooker's, and below a  
fine engraving of H. Brown, once presented to me by  
Eastw.

Professor Gussone agrees to take Swartz's "Cyper-  
aceae and allied monocotyledonous orders", vol. 123  
specimens, marked, as you say, "Gronthiacae,  
Juncaceae, Cyperaceae, Equisetaceae, Galanophoraceae".  
With this parcel you may send the "2 or 3 plants"  
for Mr. Hartland, and I will take care to  
forward the plants to both gentlemen and to  
pay the way to Mr. Kösting.

The 4<sup>th</sup> part of my flora to Sprengel is only  
now forthcoming, the most of the fifth half-  
completed: of dicotyledons I have only still  
to study Juncaceae & Vukeraceae, all the other  
monocotyledonous orders having been seen, but leaving



Miy. It is *Allocapecurus Curcuma*

me often in the same with respect to limits of natural orders. One of the interesting examples of genera joining different orders is *W. cult. 370.*, the *Geltonia quinosa* L., which combines Solanaceae and Geraniaceae, to the latter after much hesitation I have put it. - The n. 1946., of which you furnished me with another flowered, is intimately allied with *Lianthus ussuriensis*, I have called it *Lianthus* and put a description to the journal of the Linnean society: such stipular numbers occur in usual *Lianthus*. - As soon as the next of Wright's mesopotamian plants is copied, I shall send it, I hope, before the end of this year. Ever yours, affectionately  
Spiridh.

Continued record of Karst's pl. Venz.

- |   |   |
|---|---|
| 667. <i>Thysanotus</i> ( <i>Dialypsis</i> ) sp. | 697. <i>Parthenium hysterioides</i> L.          |
| 1959. <i>Veronica</i> n. sp.                    | 1974. <i>Zinnia multiflora</i> L.               |
| 714. <i>Elephantopus mollis</i> Kth.            | 1962. <i>Viguiera</i> n. sp.                    |
| 633. <i>Griechia affinis</i> A. Fr.             | 1966. <i>Cosmos sulphureus</i> Less.            |
| 1948. 1952. <i>Eupatorium crabrovi</i> K.       | 1964. <i>Jrocarpha</i> nov. sp.                 |
| 656. - <i>angustifolium</i> sp. affinis         | 1975. <i>Pectis</i> sp.                         |
| 1947. - <i>nicotianifolium</i> Less. confus.    | 2357. <i>Neurolepis lobata</i> Kth.             |
| * 637. - aff. <i>E. Vitellus</i> , wd distinct. | 1972. <i>Crucifera hirsutifolia</i> Can.        |
| 1943. - <i>paniculatum</i> Schrad.              | 1971. <i>Leucis</i> nov. sp.                    |
| 1955. - sp.                                     | 2352. - sp. (unsp.)                             |
| 1944. <i>Miscanthus hastata</i> W.              | 2561. - <i>basotensis</i> sp.                   |
| 2349. - aff. <i>platyphyllum</i> Di.            | 699. <i>Purpura</i> sp.                         |
| 2790. - aff. <i>Tafellana</i> Kth.              | 2010. <i>Centropogon urinacanthus</i> Kth.      |
| 2348. - <i>angularis</i> Griseb.                | 724. <i>Lobelia uniceantha</i> Kth.             |
| 665. <i>Yaccharis thesioides</i> Kth.           | 2009. <i>Lobelia</i> aff. <i>L. tuncak</i> Kth. |
| 1954. - <i>trinervis</i> Pers.                  | 2026. <i>Centronchus punctatus</i> Kth.         |
| 1956. - aff. <i>subfolia</i> Kth.               | 2015. <i>Glybium</i> <i>cuspidatum</i> Kth.     |
| 1967. <i>Olibatum</i> nov. sp.                  | 754. <i>Ardisia</i> n. sp.                      |
| 1969. <i>Acanthospermum hispida</i> Kth.        |   |

- |   |  |
|---|--|
| 1029. <i>Talium montanum</i> grandiflorum Jay. confus.                  | 2008. <i>Micandropia</i> sp.   |
| 747. <i>Chepophyllum</i> sp.  | 2039. <i>Elytraria</i> (?) <i>distachya</i> Kth.   |
| 1026. <i>Phumaria rubra</i> L.  | 2779. <i>Knuthia tuberosa</i> L.   |
| 781. <i>Aspidosperma</i> nov. sp.                                       | 2583. <i>Stephanospermum</i> sp.   |
| 2511. <i>Pracmatolobon</i> <i>setatum</i> A. Fr. confus.                | 2047. <i>Gravaria flori</i> Kunda H. ( <i>Claydonia</i> <i>lewinii</i> Kth.)                     |
| 2383. <i>Prestonia</i> sp.  | 2038. <i>Isenandrium elegans</i> Kth.  |
| 2081. - sp.   | 815. <i>Aphelandra tetragona</i> L.  |
| 2381. <i>Echites jalapensis</i> Lam.                                    | 2035. - - var.   |
| 2110. <i>Mitochloa parviflora</i> Kth.                                  | 208. <i>Thysanotus</i> aff. <i>T. bracteolatus</i> Kth.  |
| 2119. <i>Leurostemon</i> <i>gymnoides</i> Less. confus.                 | 2034. <i>Gastrotium</i> sp. <i>gymnoides</i> (non <i>gymnoides</i> ) affinis <i>Karstii</i> Kth. |
| 1758. <i>Tassadia columbina</i> Less. var.                              | 2042. <i>Dianthus comatus</i> L.   |
| 2372. <i>Phyllanthus tenuifolius</i> Sw.                                | 817. 2607. <i>Justicia</i> <i>caerulescens</i> Griseb.   |
| 1024. <i>Xestea bipartita</i> Sw.                                       | 816. <i>Eranthemum arvensis</i> Kth.   |
| 2045. <i>Thapsus repens</i> Cham. Kth.                                  | 2030. <i>Callandra</i> sp.   |
| 2370. <i>Chusquea leucostachya</i> Kth. sp.                             | 2031. <i>Columnnea Klotzschiana</i> Gr. ( <i>C. hispida</i> Kth., non <i>Fr.</i> )               |
| 2379. <i>Witheringia hirsuta</i> Sw. ( <i>W. hirsuta</i> Sw.)           | 2082. <i>Argyrea speciosa</i> Sw.  |
| 2092. <i>Gyphomandra</i> ( <i>Pionandra</i> ) <i>quinata</i> Gr. n. sp. | 2085. <i>Sponsoia pterocarpa</i> Griseb.   |
| 2569. <i>Solanum triste</i> Jay. var.                                   | 2071. - <i>paniculatum</i> Jay. (non <i>Sw.</i> )  |
| 2105. - <i>umbellatum</i> Sw.   | 2070. - <i>quinquefolium</i> Gr. ( <i>W. Kth.</i> )  |
| 2109. - <i>argentum</i> Sw.   | 2008. - sp.  |
| 2097. - <i>imparivittatum</i> Sw. sp.                                   | 2015. - sp. <i>gymnoides</i> ( <i>caerulea</i> <i>foliosa</i> )                                  |
| 2096. 2565. - <i>nutans</i> R. Br.                                      | 2087. - <i>violacea</i> L.   |
| 2099. - <i>versicolorem</i> Pers. sp.                                   | 931. 2083. - sp. aff. <i>J. jalappa</i> .  |
| 2009. - aff. <i>S. macranthum</i> Sw.                                   | 938. - <i>umbellata</i> Mey.!  |
| 2084. - <i>laucifolium</i> Jay.   | 2078. - <i>nicantha</i> Gr. ( <i>sericea</i> <i>Griseb.</i> )                                    |
| 984. - <i>torvum</i> Sw.  | 2084. - aff. <i>J. pilosum</i> L.  |
| 2610. - <i>scaberrimum</i> Sw.  | 949. - <i>purpurascens</i> Kth.  |
| 995. <i>Asperum roseum</i> Kth.   | 934. - <i>purpurea</i> Lam.  |
| 2090. - <i>tabularifolium</i> Jay.                                      | 2035. <i>Evolvulus hirsutus</i> L.   |
| 2091. - <i>calycinum</i> Kth.   | 2066. - <i>aspari</i> Sw. L.   |
| 780. <i>Acrocentia encubitica</i> L.                                    | 1896. - <i>paniculatum</i> Griseb.   |
| 29. <i>Teroma digitata</i> Kth.   |  |
| 2017. 2026. <i>Viguiera mollis</i> V.                                   |  |
| 2022. - <i>Malpighiana</i> Sw.!   |  |
| 2021. <i>Pithecolobium</i> <i>Andal. simplicifolium</i> Kth.            |  |
| 2059. - sp.   |  |
| 2025. <i>Adenoclymna elba</i> Gr. ( <i>Viguiera</i> <i>Andal.</i> )     |  |

2467

I am obliged to you for the corrections in  
 Fendler's list, and beg you to continue in the same  
 way. Your paper on Eumethoxy's plants is  
 very interesting to me, as I determined <sup>read it</sup> them  
 independently and am glad to see that you generally  
 came to the same point. I should like to see  
 encouraged this collector, and would (with  
 my limited means) willingly contribute to it, if  
 he continues laboring in that interesting corner  
 of Mexico.

Believe me to be, Dear Sir, as ever  
 yours most cordially & gratefully.

Fendler's Veracruz-plants.

2054. *Cordia gerardiantha* Jay. var.  
 2374. - *Colocotron* G. ex H.  
 2061. - *reticulata* V.  
 898. *Hyptis capitata* Jay.  
 897. - *globifera* Mey.!  
           *brevis* Post.  
 899. - *exilis* Mart. f. l.  
 895. - *maritima* <sup>Post.</sup> affinis.  
 2059. -  
 2058. *Gerardia* aff. *G. discolor* Rth.  
 893. *Hedroma* ?? is *Salvia hesperantha*  
 2057. *Lippia* aff. *L. graveolens* Rth.  
 842. *Citharocalyx* n. sp.  
 2027. *Asyiphita* sp.  
 843. *Asyiphita salutaris* Rth.

Göttingen, 23 Dec. 1861.

My Dear Sir,

I have to acknowledge two favours of yours  
 of Oct. 4. and Nov. 29., which arrived in Bra-  
 silia, while the two packages (containing Wright's  
 and Fendler's plants sent via Leipzig) reached Göttingen  
 only a few days ago. Accordingly I have caused  
 to pay by my Hamburg agent to Mr. Nading  
 on your account for Fendler's plants 12 3/10 #  
 on your account for Wright's - 9 7/10  
 22 #

As you left to me the calculation of Wright's  
 plants, from a hasty glance I considered of  
 the series of 143 sp. about 120 sp. as not before  
 sent and 30 as Duplicates, which will go to that  
 amount (6 # the century): but if it turns out,  
 that the number of Duplicates is less, I shall  
 notice it and pay an addition, if required.

I have copied the diagnoses of Wright's *Meris-  
 perularia*: and though it would certainly have been  
 better to wait for this new list to revise the manu-  
 script, according to your desire and being afraid  
 that our correspondence might be interrupted by war,  
 I sent it to you by the American consulate at  
 Bremen, which informs us, that my letter with <sup>you</sup>  
 by a Hamburg steamer which leaves on 29<sup>th</sup> Dec.

Thus you will have the whole of my *Sturni-*  
*nations* of *N. Wrightiana*, except the *turnera*  
*lypodium*, which will only require little space,  
the *Orchids* and ferns having been determined by others:  
I think it therefore appropriate, not to print  
the word part of my paper but as to a whole,  
containing the *Monopetalum* and those *Monocotyledons*,  
which have not been published elsewhere. I may  
send the <sup>determinations of</sup> *Monocotyledons* in letters by and by,  
as well as supplementary notes on the last set.

In *Rubiaceae* I have united no. 254., which  
I could not determine. From habit it is certainly  
no *Polosanthes*, but rather more resembling *and* *Cates-*  
*bea*: but the only specimen there is only a single  
fruit, which I would not desire to know the number  
of seeds.

As to *Amphistelma* I should like to have a  
bit of the Florida - species, which I do not possess.  
In Jamaica there are two species of this genus, the  
second probably *Gynandrum Junak* Pitt., and *Metastelma*  
*linearifolium* Rich. sub. t. 97. is perhaps a third  
species.

As to *Cicca antillarum*, I could not find  
specific characters to make more of the forms than  
varieties, and I can say, that I know of  
several instances in various tropical woods, where  
an apparently identical  
the same species appears as a climber on shrubs  
or tree, which differs from the collected ones

certainly appears as conclusive for specific difference.  
I do however not pretend, that in this case *Des-*  
*Wright* may not be right, but consider it as  
a sound principle, to regard forms in the same  
genus as long as varieties as *Des*, tangible characters  
to distinguish them have not been verified.  
What you send me in your last letter of "*Wright's*  
*Gentiana*", one is apparently the same *Vogelia* he  
sent before, but the three other forms are *Yurman-*  
*nianae* to be determined later. His handwriting  
is difficult to decipher, but I see, that he reckoned  
with the 3 carpets, which are conclusive that these  
plants do not belong to *Gentiana*.

If you have a seed of *Phacelia duplicifolia*  
(no. 53.), when the embryo is developed, pray me  
whether it is undivided, or send me one in your  
next letter. You are aware, that *Des*. *Monson* has  
affirmed me on account of this determination in  
the *Annals des sciences*: but I shall answer  
him, and am able to show that he is wrong.

I beg you to put bits of *Yitula pumila*,  
and a dried *North American* form (*Yit. robustifolia*,  
*Silbiana*, *glauca*) in your next letter. I have  
revised the genus, before publishing some critical  
remarks on *Wright's* monograph, and believe to have  
shown that your determination of the shrubby  
species are the correct ones, but should like to  
judge from original specimens.

2515. *Zonitella litigiosa* Lag.  
 2521. - *pitosa* Mart.  
 1798. *Leptochloa mucronata* Kth.  
 2520. *Leptochloa*?  
 1733. *Chloris radiata* L.  
 1708p. - sp.  
 1699. - sp.  
 1735. *Chuspin indica* f.  
 2523. *Paspalum stellatum* fl.  
 2536. - *punctatum* Vahl.  
 2535. - *decumbens* L.  
 2537. *Digitaria filiformis* Smith.  
 1773. - *marginata* L.  
 2509. *Panicum maciicum* Juy.  
 2522. - *alpinoides* f.  
 2507. - *numerosum* L.  
 2508. - *inconstans* Tr.  
 1689. - n. sp.  
 2429. - n. sp.  
 2499. - *brevisolium* L.  
 2502. - *parvifolium* Lam.  
 1705. *Orthopogon Humboldtianus* M.  
 2504. *Fraxin* n. sp., affinis *f. acuminata* (Pennis) Kth.  
 1694. *Seteria* sp.  
 1683. *Pennisetum setosum* Rich. var. *uniforme* Kth.  
 1796. *Cenchrus echinatus* L. f. *viridifolius* Kth.  
 2528. *Andropogon elegans* Herb.  
 1693. *Tricholacina insularis* f.  
 2516. *Andropogon* (*Heteropogon villosus* M. var. *polyphyllus* Tr.)  
 1689. - *procharoides* L.  
 2518. - *brachyfolius* L.  
 2519. - *condensatus* Kth.  
 1657. 2515. - *patrigiatus* L.

Of my Flora No. 5 (relating to *Grasses*) has been printed.  
 The printing of No. 6 (part of *Monocotyledons*) will begin next month.

Göttingen, 9 May, 1862.

My dear Sir,

I should have acknowledged your last favour at an earlier time, had I not expected the arrival of Mr. Wright's last collection. Since a fortnight it is now safely in my hands, and I am much obliged to him and to you, to have got so many more fine specimens of Cuba plants, only regretting that the *Monocotyledons* are still wanting, which are now my daily occupation. As soon as my Flora (the working of which I cannot interrupt in the writer's interest) is completed, I shall study Mr. Wright's new plants and then communicate a supplementary paper. As you have to me to determine the sum I owe Mr. Wright for this new collection and as he desires, that duplicates are not to be paid (which liberality I accept with satisfaction having no claim to take them in his interest), I have arranged the whole at *Alteraciones* and have compared several of the largest <sup>e.g. *Euphorbia*, *Urtica*</sup> *unders* with the former plants and among themselves, as carefully as my leisure would permit. The result is, that the number of duplicates and forms of the same species is much more considerable than I anticipated, viz. equal to  $\frac{1}{2}$ , so that at an average the

number of species not sent formally is estimated to 372, while the number of labels is 745. This (with the usual deduction) would amount to the price of \$30, for which I include (according to your desire) a Segunda to be paid at sight in New-York, retaining the Prima, to be sent, if required, in my next letter. If in the course of the determination of Mr. Wright's plants my calculation should prove too low, I shall take care to pay an additional sum, but I earnestly believe it, having found in a few instances the same species under four or five different numbers, and in many under two. It will be desirable, that before I begin studying the plants, you communicate the definitive numbers. I beg you to give me your opinion on the following numbers, which at the unvarying distribution into orders were put aside as doubtful: nos. 533, 422 and 66, 444. - On the label of no. 195 you have written "Wrightii", but my specimen has an inferior fruit and is consequently West Indian. Ever yours, sincerely & gratefully,

M. Wrightiana, Murray & Co. - cal of grasses

- |   |  |
|---|--|
| 1461. <i>Panicum Purdianum</i> Kunt. speciosum<br>parvifolium | 1465. <i>Yachtia Plumieriana</i> Mart.                               |
| 604. <i>Panicum natans</i> L. var. <i>longistylis</i> Nutt.   | 697. 1527. <i>Campylis Lacoma</i> Rich.                              |
| 601. <i>Anthriscum emarginatum</i> Nutt.                      | 1714. <i>Tradescantia gemiculata</i><br>Jacq. <i>β. effusa</i> Mart. |
| 602. <i>Phytolacca lacunosa</i> Nutt.                         | 695. <i>Callisia umbellulata</i> Lam.                                |
| 1463. <i>Arisaema bracteatum</i> G.                           | 698. <i>Coccoloba Cayanaensis</i> Rich.                              |
| 1468. <i>Eutypa Manacle</i> G. West.                          | 696. - <i>peruviana</i> G.   |
| 1464. <i>Oreodora olivacea</i> Mart.                          | 1554. <i>Athyrostylidium frax-</i><br><i>hiatum</i> M. (nov. sp.)    |
| 1466. <i>Geonoma</i> (trif. <i>calyptromorpha</i> ) M.        | 738. - <i>capitulifolium</i> G. (2)                                  |
| <i>Swarthii</i> G. West. by <i>Elacis</i>                     | 1560. <i>Arundo parvifolia</i> G.<br>( <i>99 novum</i> Humb.)        |
| <i>occidentalis</i> L. (highly interesting)                   |  |

- |   |  |
|---|--|
| 1550. <i>Eragrostis utiarioides</i>                                     | 1559. <i>Andropogon</i> ( <i>Heteropogon</i> )<br><i>retundus</i> W.   |
| 1537. <i>Hydrocotyle indica</i> Rth.                                    | 1556. <i>Andropogon saccharoides</i><br>L.!  |
| 736. 737. <i>Stichide stricta</i> Michx. var.<br><i>coarctata</i> Trin. | 1558. - <i>laevifolius</i> L.  |
| 731. <i>Leeria mucronata</i> L.!  | 1557. - <i>gracilis</i> Kunz.  |
| 746. <i>Olyra latifolia</i> L. <i>β. arven-</i><br><i>siensis</i> Trin. | 740. <i>Anatherum bicorne</i><br>M.B.  |
| 732. - <i>pauciflora</i> L.   | 1555. - <i>macrum</i> G.   |
| 1536. - <i>pineti</i> W. (nov. sp.)                                     | 756. <i>Triscenia ovina</i> M.<br>(nov. gen.)  |
| 733. <i>Pharus latifolius</i> L.  |  |
| 733 bis. - <i>glabra</i> Rth.   |  |
| 734. 739. <i>Dontelona Humboldtiana</i> G.                              | M. <i>Feuilliana</i> & Vauq.   |
| 1551. <i>Triumfetta simplex</i> M. (n. sp.)                             | 1287. <i>Panicum tacitum</i><br>Rth.   |
| 1548. 1549. <i>Chloris verticillata</i> L.                              | 1288. - <i>reticulata</i> Kl.  |
| 767. <i>Panicum conjugatum</i> G.                                       | 1281. <i>Limnolobos Plumieri</i><br>Rth.   |
| 1546. - <i>diffractum</i> L. <i>β. sejunctum</i><br>L.!                 | 2464. <i>Friestia praeconia</i><br>Kunt. = <i>Cathoblastus</i> West.<br>sub 2464 ♂ <i>guibildua</i> Quercet. |
| 766. - <i>paniculatum</i> L.  | 2462. <i>Eutypa</i> n. sp.   |
| 1544. <i>Digitaria fistuliformis</i> Nutt.                              | 2461. <i>Geonoma undata</i> Kl.  |
| 764. - <i>utrigula</i> Rth.   | 2467. - <i>simplifolius</i> W.   |
| 1542. <i>Eriochloa punctata</i> Ham.                                    | 1349. <i>Arundo mauritiana</i><br>Rth.   |
| 754. <i>Panicum fuscum</i> L.   | 2477. - <i>scabra</i> West.  |
| 1545. - <i>molle</i> L.   | 2479. <i>Dichorisandra Aublet-</i><br><i>iana</i> Rth.   |
| 1540. - <i>diffractum</i> L.  | 1561. <i>Callisia repens</i> L.  |
| 1539. - <i>durum</i> G. (n. sp.)  | 2480. - <i>umbellulata</i> Lam.  |
| 759. - <i>latum</i> L.!   | 2476. <i>Coccoloba Cayanaensis</i> Rich.   |
| 750. - <i>patens</i> L.   | 2501. <i>Platonia? longifolia</i> M.   |
| 747. - <i>divaricatum</i> L. &  | 2507. <i>Eragrostis Vahlia</i> M.  |
| 748. - <i>β. puberulum</i> G.   | 2541. <i>Eragrostis pulchella</i> Rth.   |
| 757. - <i>glutinosa</i> L.  | 1667. <i>Muhlenbergia implicata</i><br>Tr.   |
| 1538. - <i>laevifolium</i> L.   | 2512. <i>Stichide stricta</i> Michx.   |
| 751. <i>Orthopogon tobiacis</i> G.                                      | 2520. - <i>capitata</i> Lam.   |
| 1543. - <i>scharius</i> G.  | 1532. <i>Olyra latifolia</i> L.  |
| 756? 755. <i>Yachtia leucosticta</i> M. (n. sp.)                        | 2506. <i>Pharus glabra</i> Rth.  |
| 1547. <i>Gymnotheca domingensis</i> G.                                  | 2526. <i>Zuzitha colorata</i> M.<br>(nov. sp.)   |
| 760. <i>Echinoloma</i> G. (specimen incom-<br>pletum)                   |  |
| 1541. <i>Tricholoma imbutum</i> G.                                      |  |
| 1552. <i>Arundinella cubensis</i> M. (n. sp.)                           |  |
| 1553. <i>Manisuris granularis</i> L.                                    |  |

Göttingen 10 Sept. 1862.

My dear Mr. Asa Gray,

I have to acknowledge your favours of June 10. and 23., and send enclosed the manuscript of the Monocotyledons (except Bromeliaceae, which are not yet ready). The new Monocotyledons announced have not yet arrived. The Gymnosperms may be sent in my next letter, but, if required, the paper may be printed without them, as I prepare a special publication on this order, Feuchtmann's materials proving very good. I have finished just now the herbarium genera: of these there are among Wright's plants

no. 1525. *Asplenium* (*Piconneana*) *distans*, Fl. Ind. occ.


- 1524. - (*Haplodermis* n.) *reticulata* = Lya.

and of *Pteris*: *Pteris verticillata* L. *Bolbitis lutea* Schott.!

- 1529. *P. bromeliifolia* (Herb. B. *platyphylla* Lherb.)

The rest consists of *Ternstroemia*, about which I have not yet fixed any views with respect to the genus so much puzzled by garden-botanists.

Mr. Wright would oblige me very much by affording fruit and ripe seeds of *Rhus mucifolia* (no. 53.), on which you are aware I have got a disagreement with Mr. Manton. The fact is that I have not been well treated by Mr. Grayson and the matter is not well to be judged from the printed notes, the chief and only material point having been omitted. This is, that Manton pretends, that in <sup>certain</sup> *Clusia*, which have the embryos undivided, the cotyledons are wanting. His reason is, that such an embryo he pretends to have a single, axile bundle <sup>or ring</sup> of vessels, being therefore a radicle. Now I found such a ring only in the inferior part of the embryos, while it branches

upward into two bundles , from which Part 7  
have concluded that the upper part consists of 2 united  
cotyledons, though the line of demarcation is not visible  
in the ripe seed, as is the case in other Clusiaceae,  
when the cotyledons are scarcely confluent. I do  
not believe, that in this difference there is sufficient  
reason to build upon not only distinct genera but even  
tribes, the habit being often the same. What is  
your opinion about it?

You will have got now the 5<sup>th</sup> part of my  
Flora: the rest of Part 6. is in London. A supple-  
mentary Part 7 (not yet begun) will comprise the  
closing orders, viz. Orchids and ferns. I hope to  
finish the whole this winter, and then to turn to  
the supplements, chiefly those of Mr. Wright.

The newest remarkable papers in Germany are  
on Compositae. You will know that of Mr. Caspary;  
the other I receive just to-day from Dr. Eichler,  
the able assistant of J. Martius. He publishes, that  
in Saururus there is a cloud away, separating  
them the Equisetaceae of their primary members.  
I believe, that this paper will appear in the  
Neyumburg Flora.

Yours, as ever, affectionately  
R. Schimper.

Amud

Göttingen 22 Dec. 1862.

My dear Mr. Asa Gray,

I acknowledge the receipt of your favor of Oct. 24. and 26., as well as Dec. 2., with several publications and Wright's last monerbylonous plants; for the latter I am still in your debt, and expect some other opportunity to pay it, as the sum is too much to procure a bank's bill.

I send enclosed the manuscripts of the *Gromeliaceae* and *Leptanaceae*, and hope that they come not too late to be printed. In the *Gromeliaceae* you must alter the numbers contained in the last set, as they were provisional only. My views on the genera will be discussed in the 17 fascicle of my *Flores*, now in print.

As his W. Hoopes desired to have returned the materials for the ferns before the end of this year, I had no leisure to do anything else: thus you must have still some patience with respect to Wright's last set.

I am glad to learn that the prospects of your country take apparently a

take. If you reduce all these genera, *Leptanaceae*, *Cicindria* and *Leptan* might be reduced as well, but who would unite *Cicindria* *leptan* and *Leptan* in the same genus? The twisted words in Latin is of no importance.

*Antennae exsertae, epistylae: Erythronium & Gynerium.*  
(*Leptan* *leptan* - *leptan* - *leptan*) *leptan*: *Leptan* *leptan* & *Leptan*.

*leptan* *leptan*. *Cicindria* & *Leptan*?  
(*leptan* *leptan* *leptan* *leptan* *leptan*)



letter from, and in the newspapers of  
to day (containing quarterly approach  
to Richmond) I see your hopes to  
a certain degree confirmed. May the  
new year be happy to you, my dear  
friend! and may it bring peace to Ame-  
rica, and procure it in Europe! Ever  
yours affectionately J. Pinkney.

On your questions I have little to  
say, as it appears that most of the  
omitted numbers are not to be found in  
my set. 1319. I am glad, that Wright  
has named his lanternwort: the species-  
name was wanting in my label.

1342. My specimen is quite in different.  
As it turns out that the flower is di-  
dynamous, put a query to the genus-  
name *Anthrananthus* or omit it altogether.

285. *Vernonia rubicantis* is named  
according to the figure. Put a query to  
the name.

#### Gentianaceae.

Mexico Coll. 945. Possibly *Erythraea tetramera*  
Schiede, unknown to me. Your plant resembles  
specimen of *Erythraea diffusa* from the Azores to  
such a degree, that it is difficult to be distinguished by  
the remarkably glandular-pubescent filaments. The anthers  
indeed are not twisted, but in that young specimen from  
the Azores they are straight, though afterwards <sup>as with</sup> *E. diffusa*  
gets the common twisted anthers.

Discussion. My genus separable from *Erythraea* etc, as

3. *R. pauciflora* Gr. (n. sp.) foliis lanceo-  
latis-oblongis acuminatis in petiolum  
(super ligulam fere pollicarem) attenuatis,  
superioribus decrescentibus, racemo ter-  
minati paucifloro glabro folio summo  
subaequilongis: bracteis oblongo-linearibus  
obtusis unifloris, imis vix pollicari-  
bus; bracteola vaginante a calyce tubuloso  
obtusis 3dentata remota subrotunda ovario  
breviori, corolla -, capsula subglobosa.  
Habitus fere *Canna*, folia albescens, plura,  
que 6"-4" longa, 1 1/4"-1" lata. (611.)

4. *Zingiber officinale* Rosc. (39.)

5. *Coffea rubra* W. Musc. foliis ob-  
ovatis mucronatis: rachea ciliata, spi-  
ca ovata: bracteis imbricatis ovato-sub-  
rotundis obtusis striatis ciliatis, corolla  
rubra: labello incluso subtruncato apice  
lacinato, stamine corollam aequante label-  
lum excedente. Proximus *C. spirali*  
Rosc. <sup>(an forma ejus?)</sup> bracteis ciliatis folisque iconi  
*Jacquinianae* conformis, sed stamine  
4"-5" labello inclusum superante a  
figuris dictis differt, forsan monstruosi-  
tate. Eundem pr. *Flavannam* legit G.  
Don. (1514.)

I read in the Journal of the Linnean Soc. (6. p. 142.) ar-  
tificial distinctions, forced upon myself by the already  
existing genera *Orthocentron* and *Giardinia*. *Schrenkia* has  
indeed the stigmata infundibulata of *Erythraea spicata* and  
antheris, but no twisted anthers, as they become round  
or flat in *Erythraea*. In *Schrenkia* they are emarginate at the  
base with an oblique incision <sup>upon</sup> the filament. *Sparganium*  
I should rather be inclined to preserve for its small corolla.

18. *T. capitata* Gr. (n. sp.) (*Anoplophytum*)  
albo-lepidota, caule pumilo foliato, foliis  
subulato-acuminatis subcomplicatis recur-  
vatis, capitulo terminali: bracteis imbri-  
catis-quincuncialibus pennis ovatis mucronatis  
v. inferioribus appendice lineari longa termi-  
natis bifloris capsulam subaequantibus:  
floribus geminatim sessilibus: bracteolis el-  
lipticis calycem subaequantibus (6<sup>'''</sup> longis),  
sepalis capsulam dimidiam aequantibus, binis  
basi connatis, funiculis epapposis. (33.)

19. *T.* (*Diaphoranthema*) *recurvata* L. (689.)

20. *Guzmania tricolor* R. P. (677. 1520.)

21. *Caraguata lingulata* Linol. (678.)

22. *Catopsis nutans* Gr. - Syn. *Tillandsia*  
Sw. *Tussaria* Kl. (32.)

23. *C. nitida* Gr. - Syn. *Tillandsia* Hook.!  
*Tussaria* Nees. (1519.) - (674.?: forsan  
forma spica divisa).

#### Scitamineae.

1. *ReNealma occidentalis* Gr. - Syn. *Alpinia*  
Sw. (1710.)

2. *R. ventricosa* Gr. (n. sp.) foliis lanceola-  
to-oblongis acuminatis ad ligulam usque  
anguste attenuatis, racemo terminali breviter  
oblongo densifloro foliis supremis multo  
superato glabro: bracteis ventricosis late  
ovalis obtusis plurifloris, inferioribus  
floris subaequantibus, calyce campanulato  
obtusè 3dentato bracteolam binis floribus  
communem subdistantem vaginam subae-  
quantibus, filamento breviter filiformi, capsula  
subglobosa. - Affinis *R. caribaeae* Gr., racemus  
brevis compactus, epis glaberrimis, bracteis latis  
et calyce duplo breviori (4<sup>'''</sup> longis) distincta. (612.)

#### Bromeliaceae.

1. *Aechmea* (*Pironneaua*) *distans* Gr.  
in Fl. Westind. isl. (1525.)

2. *A.* (*Hohenbergia*) *aquilega* Gr. - Syn.  
*Bromelia* Salisb. Forma cubensis re-  
cedit foliis subintegris, bracteis stri-  
latis elongatis linearibus, calycis ari-  
sta saepe abortiva. (48.)

3. *A.* (*Haplachmea*) *rudicaulis* Gr. - Syn.  
*Hyllburgia* Linol. De sectionis *Haplachmeae*  
characteribus confer Fl. West-  
ind. isl. (1524.) [673]

4. *Pitcairnia bromelifolia* L'Her. &  
var. *platyphylla* Schrad. (689.)

5. *Tillandsia* (*Platyclathys*) *setacea*  
Sw. ! Forma spica basi composito.  
(683. 682. & 684.)

6. *T.* (=) *fasciculata* Sw. - Syn. *T. hava-  
nensis* Jacq. (680. 1516<sup>a</sup>.)

7. *T.* (=) *polyclathra* L., Sw. Diffusa  
proxima *T. canescente* Sw.: caule  
altiori folia recurva excedente, foliis  
virentibus latioribus (squammulis mi-  
nutilissimis evanidis), spicis longiori-  
bus, lateralibus remotiusculis, capsula  
sesquipollicari. Variet spica simplici.  
(1521.) [681]

8. *T.* (=) *Walbisiiana* Schult. (36.)

9. *T.* (=) *bulbosa* Hook. forma spica sim-  
plici. (35.)

- 10. *T. (=) laxa* Gr. in Fl. Westind. isl. (1516.)
- 11. *T. (=) pumilosa* Sw. ! ( 686.)
- 12. *T. ~~argentea~~ argentea* Gr. (n. sp.) (Platystr. Ays) caespitosa, foliis rigidis graminibus albo-squamulosis e basi lanicollata linearium-acuminatis canaliculato-carinetis erectis patentibusque caule subaphyllo declinato duplo brevioribus: squamulis patentibus, bracteis striatis remotiusculis, quae simplici subfloral fructifera: bracteis nudis oblongo-lanceolatis obtusiusculis internodiis subaequantibus a calyce duplo breviori paullo distantibus, sepalis 3 distinctis oblongis obtusiusculis capsula plus duplo brevioribus. — Affinis ex descriptione *T. toliaceae* Mart., sed folia 3"-4", rami 8", internodia spicae 6" longa: nec assimilis icon Plumierii D. Guern. t. 238. f. 1. (unde *T. monostachya* L., planta hodie dubia), obstat vero spica pluriserialis fersan ex aliena planta male depicta. (L'Her. a, no. number.)
13. *T. (=) ussiculata* L. (34.)
- 14. *T. (Vriesea) excelsa* Gr. in Fl. Westind. isl. (1517.) — Forma foliis bracteisque latioribus, paniculae ramis simplicibus, sistit var. *latifolia* Gr., a Fendleris quoque e Venezuela missam. (1522.)

- 15. *T. (Vriesea) platyneura* Gr. — Syn. *Vriesea* Gaudich. Bonita t. 66. Affinis *T. glutinosae* Mart., distincta foliis rotundato-mucronatis, calyce bracteam ovato-subrotundam fere duplo superante capsula calycem breviter superante. Eandem e Venezuela misit Fendler. (1523.)
- 16. *T. ringens* Gr. (n. sp.) (*Vriesea*) caule (2'-3' alto) basi foliato superne pauciramoso folia rotundaria excedenti, foliis oblongis breviter acuminatis (1"-1 1/2" latis) basi parum dilatatis erectiusculis nudis, spicis brevibus paucifloris: bracteis magnis subulato-acuminatis caulem superne ramosque infra spicam occurrentibus: bracteis subdistichis remotiusculis late ovatis (1 1/2"-2" longis) obtusiusculis acuminatis vaginantibus calycem ephyllum breviter excedentibus, corolla ringente mox deflexa calycem duplo superante (3" longa): perianthis linearis-triangularibus basi squamatis: squamis basi adnatis lanicollato-acuminatis (3"-5" longis), staminibus corollam aequantibus: antheris deflexis, extrorsis, stigmate exserto infundibulari. — Affinis *V. speciosa* Bot. mag. t. 4382., cui "scapus" (1518.) — Specimen fructiferum (1520. a.) capsula calycem parum superante huc spectare videtur. (Fendler. 1522.)
- 17. *T. (Anoplophytum) pulchella* Hook. — Syn. *T. pityphylla* Mart. (ex Desf.) (685.)

Göttingen, 20 May, 1863.

My Dear Mr. Jay,

I have just now received the copies of the second part of the St. Wrightianer, and despatched your publications to their different subscriptions, except those for Russia and the North, for which I must expect a sure opportunity. I accordingly have paid on your account to Mrs. Böding of Hamburg the sum of 18 German Thaler, as you will see from the enclosed receipt, dated 15 April, 1863.

I beg you now, Dear Sir, to send me as soon as possible the names of Liabry's determination of the Latin

Sets of Wright's *Arborea*, not yet published, as you see, to avoid double names, as I have to send my manuscript on *Arborea* to London, and as in several cases Wright's plants prove identical with Jamaica ones. But if it is too much to copy all Lindley's names, pray, send me chiefly the determinations of the following numbers, and of them, as far as they were new, Lindley's diagnosis:

sig. no. 1482 / lately published by Reichenknecht as *Stenoptera ananassacoma* Bot. Zeit. 1863 p.

171. from Jamaica /;

no. 1485.

- 1513.

- 1695.

- 1697.

During this summer I shall study Wright's last sets, and will be glad, to get new contributions from Cuba and Western Cuba.

As my Flora is now nearly finished, I might communicate *Arborea* notices without much delay.

As for the Rocky Mountain collections, it would be easier to dipon of one set here, if the number of specimens was but considerably say 2 or 3 centuries.

[Together with the custom house of Bremen etc.]

Pray, cut off the P.S. and send it to  
N. Engelm., St. Louis. Yours, cordially  
Reichenknecht.

Göttingen, 23 Nov. 1863.

My Dear N. Asa Gray,

The large collection of Cuba plants, announced in your favour of July 10, did not arrive in Göttingen but several months later, but since I received it (end of Sept.) I have begun immediately to examine them, and at the same time those of the former sets. I send enclosed the beginning of my determinations: to the new ones, or regarded as such, I have given provisional names, and shall continue to do so as the labels proceed. As this examination is a rather hasty one, you will undoubtedly find errors, and will oblige me much by making corrections. In the first column the numbers are those of the former <sup>(masses)</sup> collections; all numbers of the last one are signed in this way: 100. What is your opinion of no. 1140: a ♂ only, perhaps *Turnströmius*, but approaching perhaps *filicinum*?; other specimens, of which as yet I do not recognize the order, are no. 523. and 629. of the former collection.

According to your direction I shall credit Mr. Wright at Hamburg, to enable him to draw directly upon Mr. Böling, but am

rather puzzled to what amount, there being  
so many <sup>no</sup> duplicates. This first series (comprising from *Marumculaceae* to *Erythroxylaceae*) contains, as you write me, 219 nos. from 1863., and among these only 111 forms not sent before. Hence I conclude that in the new collection one half is to be paid in the ratio of £. 2 per hundred, viz. 620 (of 1240 nos.) : thus with the deduction of  $\frac{1}{5}$ , Mr. Wright may draw now £. 10., which I pay this month to Mr. Köding. I shall however try my utmost to sell for him at least a part of the duplicates, and, if necessary, to procure some addition to that sum at a later period.

The *Rhubia aristata* is unhappily again devoid of fruit : a synonym of it, overlooked as it appears by Mankou, is *Chama acuminata* Spreng. Syst. 7, of which an original of Gussone's Pistorio collection exists in the Göttingen university's herbarium.

I remain, dear Sir, ever

Yours cordially  
A. J. S. S. S.

Göttingen, 12 Aug. 1864.

My dear Sir,

In my last letter containing the rest of my determinations of Wright's plants I forgot to mention two numbers, which proved to be cryptogamous, viz.

no. 792 *Salvinia hispida* Kth. (compared with <sup>an</sup> authentic specimen)

no. 791. *Riccia* sp., one of the common floating species. Dr. Nutt, the monographist of *Lepidium*, informs me that among Wright's last ferns there occurs *Lepidium elongatum* W.: he saw it in Nutt's herbarium at Hb. Kew. Have the ferns of the last set not been published? if so, I beg for a copy of the plants.

I believe not yet to have answered to your questions about an exchange of duplicates (see your letter of March 18). I think it better, that you do not transmit entire undetermined parcels of Nutt's plants, as, having now to study a large Guiana collection left by late Mrs. W. M. Schlegel, I know not at what time I could do anything else. Yet duplicates of your collections will always be very acceptable. - A distribution of W. Indian duplicates shall, I hope, take place this winter, but they are by no means numerous, the bulk of the materials having been sent back to Kew. and the enclosed paper

I beg to forward the enclosed paper to Dr. Engelman.

Ever yours affectionately

M. Schlechter



2000. *Lepium leucogermum* W. n. sp.  
2000. a. - *Leucospermum* n. sp.  
1899 pl. 44. - *Mythopnum* ( *Labrus* in *olium* )  
2000. 2004. Forms of one species ( *lac. albicans* )  
2006 } I believe both to be *Leucospermum*: have  
2007 } you seen it?  
2008. *Savia laurifolia* again.  
2011. *Euphorbia hirsutifolia*.  
2018. 1. *Myrica*: not sent.

As to the *Leucosperms*, I shall take care  
of them, and as Mr. Melchior is appar-  
ently not inclined to give *Leucospermum*  
in letters, I may call upon him to  
lay doubtful specimens before his eyes.  
My experience with him is however (with  
distinctly to speak) not very encouraging,  
and the insuperation in his writings against  
Lindley, who treated him when in England  
with the utmost kindness, is much to  
be blamed.

I try to have care of the catwood  
notes, one for Mr. Wright, the other for  
a gentleman who promised to send *West Indian*  
plants, which he had collected in a stu-  
dyman's capacity: do you know any  
thing of him and the value of his col-  
lections?

As ever, affectionately yours  
A. Frischbach.

Göttingen, 20 Feb. 1865.

My dear Mr. Gray,

The new *Leuca* plants are safe in my  
hands: I had been very anxious whether  
they had not been injured, the Bremen  
steamer by which they came having had  
a passage of unparalled stormy weather,  
but I am glad to say, that they are  
as good as new. As you leave to myself  
to fix the price, I shall make the  
same calculation as with respect to the  
last collection, but less doubtful whether  
with respect to the money-market it  
is better for Mr. Wright to pay American  
dollars or Prussian Thalers, and I expect  
only your answer to pay Mr. Hodging  
at Hamburg.

I hope to give you a welcome  
news in telling you, that Dr. Hooker  
has had the great liberality of presenting  
me with the whole stock of duplicates  
of the *West Indian Flora*, so that I  
can now offer you the first number  
of the collections to be formed for Britain.  
And as I must rest the

specimens myself, I am rather afraid to begin with it: there are about twenty large bundles. As soon as I have room here to do it, I may send them and ask whether it is convenient to address the parcel directly to you by a Ypresian steamer. If you have plants to criticize, for instance of Wright's caption or the new Newry mountain plants, remind me, but there is no hurry about it.

I had lately the pleasure of seeing here one of your colleagues, Mr. Eliot, but he was here only a single day.

The written catalogue of Wright's plants is highly welcome, and chiefly the corrections to some of my hasty determinations. I have now been again the second volume of Richard's Flora from the Herbarium library, and shall do my utmost to identify his species, when writing the list of the now-known Cuban plants. Do you wish to have by and by the definitive name of such numbers as are still blank or the determination of which I have to make a remark? Sometimes the

discrepancy is due to misprinting of numbers, as I have formerly found by comparing Lindley's numbers of Orchids with my own. In looking now over the catalogue, I find for instance no. 2284 = *Amaryllis maritima*, while my number 292 (said to be the same) is a new *Thouinia*, called *Th. puberulata*.

I have now begun with Euphorbiaceae, and give you as a specimen my determination.

- 587 to 1923: two forms of *Sevia smithiana*.  
 1725: *Lasia laurifolia* var.  
 1929: *Drypetes glauca* Gr.  
 584: *Coccoloba* *viridis*.  
 1701: - *ambigua* (L'Herminier).  
 1932 not sent.  
 1933. *Coccoloba cubensis* again.  
 1934. *Sevia smithiana* var. *cal.*  
           *spicata* (*Coccoloba* *viridis* Gr.)  
 1941. *Phyllanthus pumilus* Poepp. (non *Ph. jamaicensis*)  
 1944. - *williamoides* (wrongly copied)  
 1946. - *patulus* W. var. (*puberulus* Gr.)  
 1948. - *concolor* W. (*puberulus* Gr.)  
 1949. - *pumilus* again.  
 1957. *Croton dominicensis* V. ap. Rich. (non C. *discolor*)  
 1958 & 1959. - *diversiflorus* W.  
 1966. - *guyanaensis* var. sp.  
 1975. *Capparis cartensis*.  
 1983. *Atalapha glaberrima* Rich.  
 1984. - *pygmaea* Rich.  
 1994. *Lurocroton wrightii*.  
 1999. ~~Atalapha~~ *Flueggea* (*gibbata*) *atidothermum* n. sp. *annua* in *compositis*.

[Combining the habit of *Atalapha* croton with the structure of *gibbata*]

1990 & 1991 Forms of *O. laevis*, which occurs with 2-3 names.

to obtain fruits from high trees and  
the wantonly of palms growing together.  
I trust here - among a great  
number of botanists of nearly all  
European countries except England - Prof  
Anderson of Manchester who begs  
me to have an entire collection of  
Wright's Liliaceae plants. But as so many  
hardy words are spoken at such an  
assembly, it will be better before  
sending the plants to write to him  
beforehand a note mentioning the  
point, so that you get a direct  
answer from him about it. He and  
Vogel of N. Pomerania, who is also  
here, are the only botanists here,  
who have sufficient public funds  
to send any thing to increase their  
herbaria. Love yours, affectionately,  
A. Griseb.

Amst., May 10

Wm. Anderson - Amsterdam, 7 April, 1865.

My dear Mr. Gray,

I am here at botanical meeting,  
and write to you a few lines, only to  
acknowledge your last note, and hoping  
that my letters, supposed to be lost,  
are now in your hands, as the steamer  
Hansa, by which they were sent in  
the middle of February, did arrive at  
New York about the 13<sup>th</sup> March, while  
your note is dated 9<sup>th</sup> March. If however  
those letters addressed to you and to Mr.  
Wright are really lost, I repeat that  
they did of question was, whether with respect  
to the state of the American money-market  
I had to pay to Mr. Wright in German  
silver / Prussian Thaler) for his last  
plants: when getting your answer, I  
shall send money to Mr. Wright at  
Hamburg for him. Since my last letter

I have been very busy in examining  
Wright's plants & the Monocotyledons  
and a large part of Polypetalae are  
ready to be printed and I must probably  
shall accept your offer to publish  
of all common <sup>in the plants</sup>  
a catalogue together with the names  
of the new genera in American. The  
only difficulty is that my hand-  
writing is often at variance with  
that to which English and American  
prints are accustomed, and though  
you have employed the utmost  
care when editing the M. Wrightiana,  
a number of names has not been  
correctly understood. But if I  
cannot find out an easy way to  
publish the catalogue in Germany, I  
shall have copied my manuscript  
as well as possible and send it  
to you for publication. I do not  
think it possible to have it printed  
at Göttingen for an American publisher

but beg you to state whether it would  
appear again in the American memoir  
or in what other way. I calculate that  
it would contain about 200 pages in  
quarto, and that it may be ready in  
the month of July or August.  
I had a very curious correspondence  
about the plants with Mr. Newton,  
who received under the same number  
a Thunberg specimen from mine, and the  
subsequent confusion would have taken  
place, if he had not sent back to  
me his specimens, so that it could  
be proved, that in most instances  
the prints did not belong to the leaves,  
and in one case not less than four  
different plants were compared under  
the leaves, the inflorescence and the  
prints of one number. Similar cases  
occur in Vahl's and Gray's  
in Newton's works, and the greatest care  
of the collector cannot always avoid  
such blunders, considering the difficulty

Gottingen 31 May, 1865.

Dear Mr Gray,

Your last welcome letter contained two Euphorbiaceous plants not received before. I have constantly continued to study the last set of Wright's plants, and my enumeration is now far advanced that about two thirds of the whole are ready to be printed, but as I have begun with the Monocotyledons and Apetalous orders, just those with which the publication has to begin will be the last to be ready. Thus a few months will still pass before I send either the whole manuscript or printed sheets. For as I wrote to you from Sunderland in the beginning of last month, I would prefer having the manuscript printed here, though there be little hope to do so: since that time I got an offer from a Spanish gentleman, that my publication might possibly be supported by his government. As soon as this transaction, on which the

Correspondence is still pending, will be  
settled in one way or the other, I shall  
inform you about the result and eventually  
claim your assistance for bringing the  
paper to the press.

You will be informed by Mr. Klotz  
of Hamburg, that I have paid him  
52 Prussian Thalers for Wright's last  
lot. The calculation was nearly the  
same as with respect to the former lot;  
I counted indeed only 322 forms,  
which I had not received beforehand  
(3/4 among 750 specimens), but as many  
of the immature plants to flowers formerly  
only appeared of great value to  
my working, I have paid for 400  
specimens (instead of for 322).

As I have only to say, that  
the German steamer is soon leaving,  
I have no time to write any more,  
but must express my gratification,  
that your unhappy war with us long  
be a drawback to the happiness of  
your life, entirely yours  
R. Schimper.

When I Amsterdam I talked with  
N. Reichenbach about the Cuba herb, but  
found him quite unmanageable,  
as I formerly had my reasons to  
suspect: he belongs to those, of whom it  
is best to let them alone.

Have you among your specimens of  
2724, 2725, 2726 - or 1269 no fruit  
with ripe seeds? The limits between  
*Phialanthus* and *Phyllo-nivia* I formerly  
have wrongly understood. The fruit appears  
to be dry, the perianth I see in some  
flowers enlarged as in *Justardia*, but  
want much the knowledge of the end.  
My impression, that the fruit of  
*Phialanthus* was a large with 6-  
serious seeds, was chiefly due to a  
sketch in Herb. Acad., but Wright's no.  
2724 seems identical with the *Pa-*  
*hana - Rubrica* described in my *Flora*.  
I am afraid, that my materials will  
not prove sufficient to decide on  
the affinities of *Phialanthus* and *Phyllo-*  
*nivia*, both apparently nearly allied,  
but the latter to be referred to *P. coronata*.

Rubrica  
not there

female flowers and fruit.

By the by, I found your last letter not at all illegible, but very interesting and full of that firmness and delicate feeling, which gives with a particular charm to correspond with you, my dear friend. My handwriting is so bad, that, if I did not know your initials, I should have constant reason to excuse myself, and even more on the hasty manner of my writing letters.

Affectionately as ever yours  
R. Schickel.

Göttingen, 15 June, 1863.

My dear N. Asa Gray,

A Spanish gentleman, resident <sup>at</sup> Havana, who from necessity will not be named, has sent to me sufficient money to publish here the catalogue of the Cuba plants: his only motive was interest for his country and a little for botany; I stood in no connection with him and he opened his services by letter. Thus I need not trouble you about the Smithsonian indication, and the beginning of sending my manuscript to press depends only from having it sufficiently prepared: then I shall send to you the single sheets as they come forward. - I have received your favour of May 18, and am

glad of receiving Engelmann's notes  
on the Cuba pines. I beg you now  
to furnish from him his notes on  
Wright's lecture, if possible: I  
should feel hard the difficulty of  
studying them, if he has taken  
notice of them, as I suppose.

Of numbers not found in my  
set I mention the following;  
perhaps you may furnish some  
sketches partly by letter, or at least  
give me your opinion about them.

no. 1844. *Melicium*. It is perhaps  
the same with the former, no. 3.

- 1863. *Cedix*: this with certainty  
be the species mentioned in my *Flora*.

- 1865. *Urome*.

- 1877. *Lunaria racemosa*  
fide Wright: of this a leaf and flower  
would be desirable.

A very remarkable plant, but

unhappily only ♂, is 681 of the  
provisional numbers, not occurring in  
the new catalogue. I think it nearly  
related to *Yanara*, and in some  
respects one might believe it to be  
*B. Jamiesonii* Nutt. (Journ. Linn.  
Soc. 5. Suppl. 2. p. 94.): but the  
materials to Nutt's description would  
have been much worse than is to be  
supposed, if he had not seen the Pan-  
gamic scales on the base of the  
petals and the rudiment number of  
stamens. Thus and for the divaricate  
flowers it will not be his plant, and  
is, I doubt not, quite a new genus,  
connecting *Yanara* with *Pragiaceae*.  
If you write to Mr. Wright,  
I beg to turn his particular  
attention to this plant, whether  
it would not be possible to get



- 1) 2956. *Vincet. an. v. v. v.*
- 2) 2992. *Humid. v. v.*
- 3) 3002. *Humid. v. v.*
- 3496. *Humid. v. v.*

I omit a few numbers, referring to common *Humid. v. v.* plants, about which there will be no doubt about the correctness of the determination.

The 2 plants, on which I inquired in my last letter, and which you did not find, had not the provisional number 681, but 684; and this is now the only Cuba plant, on which I have no idea, what it may be.

Thanks for your new photograph!

Amo Sept. 7

Göttingen, 13 Aug. 1865.

My dear N. Asa Gray,

I have received your favor dated on the anniversary of the Reunited States of North America: may we forever come offe Union - forsaking difficulties as well as you, and without bloodshed!

The first sheet of the Cuba-catalogue is printing, and I shall send them to you under cover by and by. I calculate that there will be about 20 sheets, the printing of which - as I am now going for recreation to Switzerland - will require several months. I am anxious to know, how many copies you desire and can sell for me in America: for upon this point will depend the number of copies I print. Pray, let me know it with the next mail: for I shall be returned, when your answer arrives. Having now finished my inquiries on Wright's last set, I add those numbers,

which I have not received, so that,  
as you now kindly have done, you may  
again put some fragments in your letters  
- by and by, as there will be ample time  
to make use of it.

You will have seen, that Hitchcock,  
after having declined to assist me, has  
studied Wright's Orchids in the set at  
New and published *Sigona* of new species  
in the *Memories of Flora*, so that my  
own names are <sup>in great part</sup> anticipated by his paper.

I am sorry, that I was forced by  
him to bestow so much time and labour  
upon a study so little gratifying to  
me, and to have lost this time, which  
could have been better employed.

As to the Index according to Wright's  
numbers, the best plan will be, that  
I return the written Index, which  
you have sent, and in which all  
my determinations are to be found  
in my hand-writing. I shall send  
it with the first part of the *Hesperis*  
plants to be distributed as soon as I

can back from Switzerland.

I send an answer to Mr. Wright kindly,  
the correspondence with him. I find a  
little trouble, as for instance he  
writes now 4 pages on *Oreodoxa regia*,  
and could have said to himself with  
some more attention upon the subject, that

1<sup>o</sup> he knows only *O. regia*,

2<sup>o</sup> that Humboldt in the *pl. Wrightii*  
use (when the determinations of the palms  
are made by him) has taken Wright's  
specimens of *O. regia* for *O. straiica*,  
(in fact)

3<sup>o</sup> that my *Sigona* have <sup>been</sup> transcribed  
from markings, and that the only error  
consists in the too much growth of  
*O. regia*, as it was given by Humboldt.

Ever yours, my dear Gray,  
affectionately  
Wright.

Not received numbers.

- |                              |                                 |
|------------------------------|---------------------------------|
| 2029. Ohio.                  | 2262. <i>Piperom. rhomboid.</i> |
| 2037.                        | 2280. <i>Frondia purpurea.</i>  |
| 2056. <i>Melastom.</i>       | 2304. <i>Asplenium / infil.</i> |
| 2135. <i>Erythronium.</i>    | 2314. <i>Juncodium.</i>         |
| 2147. <i>Melastom. west.</i> | 2324. <i>Phytol. rubic.</i>     |
| 2169. <i>Thomaria</i>        | 2340. <i>Vigna.</i>             |
|                              | 2357. <i>Asplenium.</i>         |

Amund  
March 15. Göttingen, 21 Feb. 1866.

My dear friend,

The two last steamers have brought letters from you, from which I learn that the first set of West Indian plants is safe in your hands. I shall now begin to select the rest. Of the catalogue of Cuba plants you will have received (as well as Mr. Wright), pag. 1-176: some other sheets will follow soon. I have now finished the examination of Wright's set of 1865 and send now enclosed the whole of my determinations according to the new numbers, and beg to forward them to Mr. Wright: if what he collected since is at hand, it must soon be transmitted, if notice of it possibly might be added to my volume, as the printing is now fast going to its close. You will see, that in the set of 1865 there are only few novelties, of which there occurring in <sup>the</sup> ~~most~~ monocoelobryonous and ~~most~~ monopetalous orders could be inserted in the text, so that there will be very few additions at the end of volume, if not none is still forthcoming.

I should now think, that the catalogue,  
the result chiefly of Wright's cautious survey  
a period of ten years, falls not very short  
from being a list of perhaps 9/10 of the  
vegetable Cuba productions.

I have written for Wright's sketches in  
the Linnean collection, which have already  
been offered to me by A. Hooker. Having  
got them, I shall repeat Prof. Reichardt's  
letter about this matter to arrange myself  
with him.

I am glad, that you authorize me to send  
the duplicates of Wright's plants to Prof.  
Anderson, as I could not dispose of them  
in Germany; thus Mr. Wright will have  
some money for them. Just as having  
the winter packets are not forwarded by the  
post to Sweden, I must wait some  
time.

I am much obliged to you, that you  
have written to Mr. Wright, that he  
sends to me some explanation with regard  
to his localities, as I am sure, that  
from the use of old sketches there are

in my catalogue several mistakes in the  
indication of the habitat by referring the  
former sets of his to Cuba or., the latter  
to Cuba occ. What I want, is a simple  
catalogue of the chief plantations, where he  
has collected, according to the Cuba districts  
or jurisdictions, of which there are 29 in  
the statute map of the Spanish Dominions,  
as for instance 1. Pinar del Rio; 2. Bahia  
Honda; 3. S. Christobal; 5. Habana... 29. Yara,  
Cov. If provided with these materials  
before the end of next month, I might  
mention the area of Wright's labours  
in the preface and correct the mistakes.

Just now I have published in Peter-  
mann's Journal a map of the natural  
Flora of the world. I send you a copy  
together with the text, in which the  
principal authorities for the adopted  
lines of demarcation are given. You  
would oblige me by critical remarks.

I am glad to see from your last,  
that your illness, mentioned in your  
note of Jan. 12 was a transient one. Ever

Yours affectionately,  
Griseb.

Amund  
May 18.

Göttingen 22 April, 1866.

Dear N. Asa Gray,

I have received yours of March 15 and 24,  
the latter to-day, both late, and am sorry  
that the former letter did not come in time:  
for I had already sent via Bremen the  
second and last set of the Westphalian Nupt.  
cuts / by steamer "America", leaving Bremen  
7 April, so that I could not address the  
sheet as you desired to Westmann's Leipzig  
correspondent. To learn however the cost,  
which I am afraid you may consider high,  
I have as in the former case taken on  
my own account the no-insurance and the  
postage to Bremen. - I shall be glad  
to receive the Venezuela plants you had offered,  
or any other you have to distribute.

You will have received now pag 1-248.  
of the Catalogue and the whole is now  
finished (except the preface, which is in  
print). Wright's promised notices on the  
localities did not arrive, but circumstances  
prevented me from delaying any longer the  
edition of the volume: at the end I have added  
your new or misprinted numbers. I enclose

Wright's notes with my answer, to be forwarded to him. As to his observation on the stamens of *Tetrandria*, I curlon a flower of no. 1516, in which you will see, what I consider as twisted filaments, a character of importance to my view, though depending upon the state of development, as being in connection with the incumbent anthers of the section *Platyphragm*, while in others (e.g.) *T. monovata* and *unicoides* the anthers are erect. — I do not quite understand, what you tell me about the aestivation of *Aspicnina*: you say, the petals are valvate in the young bud, but they are certainly imbricate afterwards, as you have figured them in your diagram. Now as it seems obvious, that all imbricative organs are valvate in the beginning (when they are still too small to overlap), I suppose, that there is a peculiarity in this respect in *Aspicnina*, which is quite unknown to us.

I shall send the whole edition of the *Catalogus* to Leipzig to be bound, and then according to your wish 30 copies shall be sent to you (by G. Reumann to Westermann). The price has not yet been fixed,

but afterwards you may pay the copies to me, not to Westermann, or rather take them into account for the last set of Wright's plants and perhaps the forthcoming collections. I will have little to pay for that set, as it contained few novelties, and all duplicates, which I can spare of Wright's entire collection. I have now pressed together to be sent to Prof. Anderson, from whom I expect an answer how they are to be transmitted to him.

Today I have good news from Hooded about the state of his health and his affairs. Ever, Dear friend,

Yours affectionately,  
M. Frisch.

Many thanks for Turvey's most welcome photograph: just now I possess none of my own, but the first time I meet a good artist, I shall think of sending one.

Series now only 20 copies, I have not  
allowed any former editions, as all those  
copies which you cannot easily sell on  
my account you may dispose of as  
presents. The fact is, that the printing  
of the Catalogue has been paid by the  
Spanish gentlemen, but I was afraid  
not to be in debt towards Mr. Wright,  
and I have now to consider, as  
the war - contributions taken by Prussia  
from Saxony are heavy and it is  
doubtful whether my personal income  
will continue as before: for if peace  
is not soon restored, our contributions  
will probably be still greater than  
yours were: for here there are 73  
millions fighting with each other, 30 are  
in your country.

As ever yours, my dear friend,  
Griseb.

The suspensions on the localities  
arrived unhappily too late, as you  
will have seen from the paper of the  
Catalogue.

Amud, Aug. 3?

Jöttingen 9 July, 1866.

My dear Dr. Mrs. Gray,

The unhappy state of my country, the  
concentration of the Hannoverian army  
just at Jöttingen the battle of Langensiefen  
fought in our neighbourhood - the only  
one by the way, in which the invading  
Prussians as yet were beaten - all this  
has prevented me from answering to  
your letters which now are safe in  
my hands, as well as the 2 packets with  
Venezuela plants (405 sp.), for which  
I express my hearty thanks: perhaps I  
shall communicate by and by some  
determinations of them. I beg however  
not again to enclose packets or letters  
to Prof. Brücknerbach, who in this  
instance again behaved ridiculously,  
first claiming a direction how to  
send it from Hamburg to Jöttingen?, when

Which, as you will have seen your parents, was of course quite superfluous.

There is a railway running thence  
each day, afterwards a formal delivery,  
soon, that I was convinced, that he  
had not opened the parcels, so that  
I had not write two letters, while  
he had nothing to do but to give  
the parcels to the post-office. In  
none of his letters he has made any  
allusion to the Cuba which sent to  
him, which are now in my hands:  
hence I have not offered them to him,  
and you may dispose of them, but  
they contain almost nothing which was  
not in the other collections.

About two months ago I have sent  
the Cuba - duplicates to Prof. And  
of Haeckel: the sheet contained  
824 queries: for this number you  
may charge him.

I am much obliged to Wright that  
he has given me the last set as a  
present, and the more so I am, as  
that he is not so satisfied with my

behaviour towards him, as I wished him  
to be. I am indeed a bad correspondent,  
and you are almost the only friend,  
to whom I somewhat regularly write;  
more than long before your hints with  
respect to Wright I had addressed at  
least two letters to him, and had sent  
regularly the sheets of the Catalogue as  
they came out of the press. I am sorry,  
that several of them have been lost, pro-  
bably one of my letters too: but this  
cannot now be remedied, as the whole  
edition is in Leipzig and my book-  
seller wrote me late in the month of  
May, that for the impending war-trou-  
bles he could not distribute the copies  
as I had him directed. I do not  
know, whether he can do it now,  
since the Prussians have occupied Saxony  
and almost all central railways of  
Germany are interrupted, so that we  
here for a fortnight could not even  
send or receive a letter. Through you



The publisher seems to have acted  
shabbily.

It was only at the beginning of this year,  
when by my correspondents I was informed  
that the book was circulating in the German  
lands, and having received your note of Dec. 21.  
I immediately requested, that the copies were  
to be sent to America, which, I trust, he  
will have done. There was still an other  
impediment to fulfilling Mr. Wright's desire  
of having copies in Cuba. For the Cuban gentleman,  
who had promised to take care of  
the sale there, did equally not answer to  
several letters I had addressed to him.  
Thus I was obliged to break up all inter-  
course with him and have now given  
instruction to my Leipzig publisher (Mr. Engel-  
mann) to get a commission in Cuba on  
his own account.

I have now finished examining the  
list of Feustlin's Venezuela plants, which you  
communicated last year, having determined the  
genera and identified such species as I already  
possessed. If the list would be of any use  
for you, I might copy it and send it,  
if required. Please do, I want it.

With my best wishes yours as ever  
affectionately  
J. Grisebach

also new to me,

Grisebach

Jülich, March 1867.

My dear Mr. Gray!

I am rather ashamed, that my correspondence  
for a long time has nearly ceased, but the fact  
is, that during and since the unhappy German  
war I was often low-spirited and do not like  
to complain. During the long peace-period  
Germany has constantly advanced, not only  
in its material resources, but to much more  
political freedom than I knew in my younger  
years. All this is now to end in a mi-  
litary rule, when no utterance of inde-  
pendent opinions is suffered to be printed,  
in a thousand division of Germany perhaps  
never to be reunited again, and all this by  
disregard of the first principles of the character  
of our nation, those of justice and fidelity,  
and by the open or clandestine union with  
foreign powers, the natural foes of our pro-  
perty. Since the termination of the war  
an unexampled increase of the number  
of soldiers has taken place in the newly organized

Departments, -

I do not know whether I should send you a copy of the book, but I will try to get you a copy of the book, if you want it. I will also send you a copy of the book, if you want it. I will also send you a copy of the book, if you want it.

provinces of Prussia has been placed, and  
the prospects of the future are more than ever.  
Our university, to which I have been attached  
for thirty years, was a wonderful place of  
tranquillity and of the most exquisite care  
of the Hanoverian government, now it is  
a provincial establishment submitted to a  
centralising power: the first result to us  
has been dissolution of its members, the  
idea of going away, just now as later  
the German universities will be in the same  
situation as the French provincial establishments.

During the summer we had suffered much  
from heavy garrisons in our small town,  
but having spent the autumn in a mild climate  
and retired from all personal impressions  
of the time, I returned in fresh spirits  
of stoicism, and, giving up all other reflections,  
I seek and find consolation in busy train,  
botanic labour, having begun a general work  
of special geography of plants, which will  
be an occupation of years, though prepared  
from a great length of time. My chief  
aim is to show by the exposition of the  
features of the different Floras the adaptation

Glad you are at so important a work -  
but fear it will take you all too much from  
Botany of Trop. America.

of plants to climate.  
You are aware, that such studies are an  
impediment or an interruption rather to my  
wounded systematic labours, though I often felt  
much certain defects in my collections and have  
constantly in view to increase them. Thus all  
contributions are welcome, and I beg to thank  
Mr. Wright in my name for the small plants  
contained in his letter of Oct. 24. When receiving  
specimens I regard it now as a convenient accom-  
paniment for certain hours, if I feel exhausted  
from reading too many <sup>volumes</sup> of the immense  
literature of travel - books, often without  
much justification.

Yes,  
I will

I have  
very  
been  
N. Y.

is very  
interesting  
I have  
been  
very  
much  
interested  
in  
the  
work  
of  
the  
Paris  
Botanical  
Garden  
I have  
been  
very  
much  
interested  
in  
the  
work  
of  
the  
Paris  
Botanical  
Garden

I hope that now at last you will be in  
possession of the copies of the Catalogue which  
You are aware, that in the month of May  
thereabouts I sent the whole edition to Lignier,  
and since that time I have in my possession  
only a single copy, my Lignier published not  
having answered to any of my letters, even when  
requiring a few copies for my own use and for  
my friends. I had no news from him but  
once, when at the outbreak of the war he  
stated, that he could not care of the Catalogue  
but when tranquillity in the Trade was restored.

Grisebach

Göttingen, 23 Oct. 1868.

Dear Mr. Gray,

I am happy to learn from your kind note, that you are in Europe and that next year I have a chance to make your personal acquaintance. This meeting possibly may happen even before your coming to Germany, as I should like much to go to Italy in the month of March or April, when perhaps I might see you, if before that time you would acquaint me about your movements. The principal cause of my ceasing regularly to correspond with my friends is almost constant travelling, but as last year a residence in the South of France during the spring proved beneficial, I hope that the state of my health will be such, that, the winter - my best season - past, a change of climate may be practicable, while for instance now, being just recovered from a severe attack of erysipelas, journeying would be an impossibility. - My working under such circum.

Professor Dr. Mr. Gray,

Charles Bonn,  
Paris.

studies has of course often been interrupted, my rather extensive treatise on the connection of climate and vegetation however is advancing and so far I am at least satisfied with my declining life, that this occupation leads me to several important views new to science. The area of European trees involves many mysteries, of which I hope to unveil a few, chiefly with respect to the peculiar adaptation of single acts of vegetation to temperature, which is different almost in each species. Oak for instance with us develops the leaves at a higher temperature than hush, but keeps them in autumn longer, being at that <sup>time</sup> more independent from external agencies, hence goes farther North and East. I lead your and the New botanists attention to the lately published monograph of Liliaceae by Mr. Reichenbach, who is one of the few promising young botanists, <sup>to whom</sup> I have given the scientific direction: his investigation has chiefly been made in my own Museum, but he is now living at Berlin and pursuing his inquiries on other genera of Caryophyllaceae.

You remember that a number of copies of the Catalogue pl. californicum was sent to America, but refused by you under the impression - caused by a letter of mine - that the engraved price

would merely give the proceeds of my sales. This however I have learned, that this was an error and that the money, which might come <sup>(the sale of)</sup> from these copies, was entirely to my own disposition. It is so long ago, that probably the American agent has otherwise disposed of the copies, but if they are still there, I give you carte blanche to do with them what you like: you may sell them at any price you think convenient at present bargain with them, but if some money should turn out, you might employ it to my favour in buying Rocky-mountain or Californian plants for my herbarium.

Dr. Caspary has not yet been in Göttingen though he promised to come, he put me with his excellent fungi some interesting species which came from you. I am also obliged to you for the admirable new edition of your Flora of the Northern States and other communications, being at the same time for your new publication on California plants.

Believe me, Dear Sir, as ever your sincere friend,

O. S. Reichenbach.

May the climate of Egypt do much good to Mrs. Anjou!

Göttingen, 12 March 1842.

My Dear N. Sars Grey,

Many thanks for your obliging note of Feb. 24  
and for the communication of Gunnar's publications  
and N. Hillerbrand's letter, who, as I see, is an  
old disciple of mine. I write these hurried  
lines, merely to inform you, that the Oregon-  
+ collection (about 500 species, & others ten hundred)  
will be welcome, and that I beg you to cause it  
to be transmitted to my address as soon as convenient:  
have you still a commissioner in Hamburg or  
Gömmen, to whom I may pay? I receive your  
letter just at the moment, that I am to start  
for Italy, having the misfortune, that my eldest  
son suddenly was affected by a serious illness of  
the chest: he is 26 years old and was constantly  
in perfect health, now in his feeble state I have  
to conduct him to a milder climate, but am back  
again towards the end of April. Hence I have  
not the time to inquire now, why my two volumes  
"the vegetation of the globe" did not yet reach you?  
my publisher, W. Engelmann of Leipzig, has perhaps

The rest

given them to the American consul, who is the  
Commissioner of the Smithsonian Institution, and  
they may have been returned; all copies were  
sent in the month of December.

As ever, yours, very truly  
N. J. Pritchard.

New Haven. Ct. Nov. 22<sup>d</sup>.  
1856.

Prof. Asa. Gray

Dear Sir.

We sent to  
you yesterday, a specimen mi-  
croscope, as had been promised  
several weeks ago.

I think it answers pretty near  
the plan you propose in  
your favor of Nov. 22<sup>d</sup>. which  
we received this morning.

Please try it and find out  
where it might be improved.

I think we could furnish  
such instruments as the  
one sent to you, with such  
modification, as you may  
propose, and packed in a case  
with a pair of forceps and  
needles, for \$12,00, if we could

with some degree of safety,  
undertake to make, about a  
dozen at the same time.

The one we send you is  
worth about ten dollars.

If it is not attended with  
inconvenience to you,  
you will oblige us by  
sending the Chevalier doubters  
for examination.

Let us also know how  
the lenses furnished with  
microscope sent to you  
by us, compares with those  
received from Paris.

Perhaps it is here necessary  
to say, that I furnished  
three powers, produced by  
3 lenses, used either singly  
or screwed one over the other  
in the ~~box~~<sup>order</sup>. Their screws  
fit.

Very Respectfully  
Julius Grunow  
~~for the firm~~



New Haven. Ct. Dec. 2<sup>d</sup>  
1856

Prof. A. Gray

Dear Sir

Your letter  
of Nov. 30<sup>th</sup> informing us of the non-  
arrival of the microscope has  
just been received. Enclosed  
we send you the receipt, taken  
upon its delivery at the Express  
Office. On calling there this  
morning, they found, upon exa-  
mining their books, that it  
must have reached Cam-  
bridge. So with the receipt  
in hand you will probably  
receive it upon calling at  
their office in Cambridge

Very truly Yours

J. W. Grunow

New Haven, Ct. December 8<sup>th</sup>  
1856

Prof A. Gray.

Dear Sir

Your letter  
with the Chevalier doublet was  
duly received. We cannot yet  
to day give a definite answer  
as to the price for which we  
can furnish microscopes, such  
as you describe, and with the  
accessories you mention.

But it seems pretty near  
impossible to furnish them  
with 3 doublets for ten dollars.

We could not furnish the doublet  
alone for less than 2 dollars  
a piece. We will consider the  
matter on all points maturely  
and write you about it again  
the end of this week, when  
we shall also send back your

doublets. They perform pretty well, But it seems, that the lenses we sent with our microscope when screwed all three over one another although not magnifying so much enable you to see more than you could with the highest doublet of the three sent to us.

Very Respectfully

J. & W. Gunnison

Cambridge Mass. June 18<sup>th</sup> 1850

My dear Sir

I have been very sorry indeed to be obliged to remain so long time in Washington, & to have returned too late for having the pleasure of seeing you before your departure, I send you herewith some little notes for Paris & Neuchâtel, ~~which~~ hoping that they may be of some use for you & Mrs Gray.

If you remain for some time in Paris, as I hope you will, Mrs GrandPierre will be very happy to see very often Mrs Gray, and to

Encl  
June 18<sup>th</sup> 50

Dr. Anna Gray

introduce her to her many  
friends, if she should like it.

Be assured that you will do a  
favor to her to ask her for  
every thing in which you  
may desire the assistance of  
some body knowing well the  
city.

With the best wishes for your  
long journey & for the improvement  
of Mrs Gray's health, I remain,  
dear Sir, very truly & faithfully

your friend

A. Guyot

Dr A. Gray.

I do not enclose the notes in  
envelopes to avoid increasing the  
posts.

I asked Agassiz also for some  
notes for you that I inclose  
herewith.

A. G.

All the ladies of my house, &  
myself, send to Mrs Gray their  
best wishes & compliments.

ag

A. Gray

Craigville: March 30<sup>th</sup> 33

My dear Doctor,

I thank you for the  
Notice on Hooker's Flora of New Zealand  
that you were kind enough  
to send me. The article that  
I partially read in *Silliman's*  
*Journal* is to me of an intense  
interest; as well for the facts &  
results it contains as for the  
conclusions he & you derive from  
them. The view <sup>Hooker</sup> ~~Hooker~~ takes  
of the cause of the Geographical  
Distribution is rather an extreme  
one, ~~as~~ that of Agassiz's <sup>also</sup> on the  
~~other extreme~~ opposite side.  
But the right comprehension  
of the subject ~~only~~ can advance

by such excellent &  
extensive observations as we  
are here presented with. One  
fact is certain (& I tried to  
show in Earth and Man), wherever  
the opportunities for dissemination  
or expansion exist there also  
do we find <sup>the</sup> same or analogous  
Species, & their similarity or  
difference, is on the whole in proportion  
with the continuity, or disconnectedness  
of the landmasses & similarity or  
difference of structure, quite as much  
as of climate —

Very sincerely & truly

J. A. Gray.

Yours  
A. Gray

Do you remember whether  
your camp on the Roan Mt., with  
the cold spring the temperature of  
which you measured (64° F) was  
on the SE corner slope, or the NW corner?

(my pen is horrid)

To what plants do the corollas inside  
belong?

111-323

Princeton N. J. Feb. 6<sup>th</sup> 1856

My dear Dr.,

I hoped to have had the  
pleasure of seeing you at Albany  
& ask you some questions that  
I beg leave to submit to you.

I visited the Black, Roan  
& other Mountains of N. Carolina  
with great pleasure. Among my  
best friends to look at, my worst  
foes to go through, are the magni-  
ficent Laurel groves which fill the  
valleys, and crown the crests of the  
Mountains to the top. The most  
common seems to be the Black land  
maximum of your Flora; the description



entirely corresponds to my recollection  
except in one particular not mentioned  
in your description; viz the peduncle  
which support each flower of the cluster,  
and I think the calyx, are very clammy  
& viscous. I hope I do not confound  
this large Macdoulandia, which is every  
where, with the Azalea arborea.

There is another fine one  
that I found only in greater elevation,  
from 4000 up to 6000 feet, about as large a  
shrub, but bearing clusters of flowers  
much thinner, and of a fine pink  
violet color, not viscous at all.  
This I do not find mentioned in your  
flora - Is it latambenta?

Is not the Magnolia which  
grows there, and very high too in the  
mountain, the M. glauca? People call it  
Indian bark. It is never large.

Wain and all garden's land their own temperature to be  
Gray & Grouse - No paper every morning the visit of Mr. W.  
Seymour

I think I saw one late specimen  
of the Azalea latambenta, which  
excited my admiration to a high degree.  
It was at an elevation of over 5500 feet  
loaded with instruments as I  
was, it was not possible for me to  
take any plants, & more than  
one I regretted it. My trip as to  
measurements has been very successful.  
Highest peak Mount Dome (miles)  
6700 feet = Roan Mountain 6304  
I have more than 50 points well  
determined. I missed Grandfather,  
though, for want of a conveyance to its  
foot, first, and of time, afterwards.

I heard from Mina that you  
are both yourself & Mrs. Gray, very  
well. Mina told me of all your kindness  
to her. Pray tender to Mrs. Gray  
my kindest regards & believe me as  
ever truly yours  
A. Gray

J. A. Gray

A Guyot  
Princeton N. Y. June 14<sup>th</sup> 1858

My dear Doctor,

I leave next week, on  
Thursday, for the Black Mountains,  
with the intention to measure their  
altitude, and make such observations  
as a short visit of a week or  
ten days on the spot can  
afford the opportunity to make.  
I write now to ask you  
where I can find the printed  
account that you published  
of your visit there; this pamphlet

would be just now of great  
value to me. May I ask also  
whether you know any body  
there, about Asheville, or  
Marquand, for whom you could  
give me a letter of introduction.  
If so I would be very grateful  
for it.

All our family wishes to  
be kindly remembered to you  
& to Mrs Gray. We often speak  
of you & of your kindness.  
I have to thank you for  
the attention you showed to

My friend Prof. Greene, who  
says he, has been indebted  
to you for his best moments  
spent in Cambridge.

I must close in haste  
in order to be in time for the  
mail. I decided this journey  
only just now. Though it  
was my desire to see these  
Mountains for a long time,  
I could not see them for the  
possibility of leaving my writing desk.

Please present my most affectionate  
& sincere regards to Mrs Gray  
& believe me as ever your  
friend

Dr Asa Gray

A. Gray

Princeton N.J. May 27<sup>th</sup> 1858.  
Guyot

My dear friend,

I have just received another delightful little book of yours for which I thank you most cordially. You set me <sup>before</sup> an example that I ought to follow, & that I mean to follow; but I hope better to succeed than heretofore, in accomplishing my desire to publish a series of Geographies for our youth.

A cursory glance at your new ~~two~~ volumes shows to me the same excellent qualities which distinguish the others. I have no doubt that the little flora especially will be welcome to a great many & increase the taste for the study of the lovely forms of plants which surround us.

I send you enclosed a receipt  
from Prussia which was sent to me by  
mistake from the Smithsonian Institute.  
I should like very much to get the  
proceedings & Memoirs of the American  
Academy. As a non-resident and  
non-paying member I suppose I have  
no right to them. What have I to  
do to obtain them. I shall soon  
send my paper on New England & the  
White Mountain Green Mts. for the  
Academy.

What are you doing this summer!  
When worn out, in August maybe, I  
intend (if I don't go to Europe) to visit South  
Virginia & North Carolina again.

Mrs Lundy requests me to tender  
her very kind & affectionate regards to Mrs  
Gray & I join with her in sending my  
best regards. Will you not visit Princeton  
We are on the great highway & still  
none of my Cambridge friends ever stopped  
to see even for a moment

Your sincere & affectionate  
friend

D. A. Gray

A. Gray

Ursula & Mary Torrey are in  
Princeton for a fortnight. The latter is  
acting & secreting. They are improving  
all

For the copy of your able  
review of Darwin's development  
theory, that I owe no doubt  
to your kindness. The question  
is one of great interest; but  
the idea of the transmutation  
of the species is one which  
acts, I think, on a misinter-  
pretation of the beautiful law  
of the successive appearance of  
the members of the Animal Kingdom  
& of their organic relations. What  
unfolds itself is the Creator's plan;  
the energies for a true development  
of the whole are not given to the Animal  
Kingdom. It is just the reverse in man.

Mrs. Lundy & myself are very sorry to hear that  
Mrs. Gray's health is not as good as you would wish it.  
We would be delighted to see her in Princeton on her return.  
Mrs. Lundy is grateful for your kind remembrance of  
her & asks me to tender you her cordial greeting.  
As to me, my dear Doctor, it remains, as ever,  
your faithful friend  
Dr. Asa Gray A. Gray

A. Gray  
Princeton N. J.  
April 20th 1860

My dear Doctor,

I shall be very happy to  
furnish the Council of the Academy  
with a short notice of Ritter's life  
& labors. I have written a  
somewhat extensive one for the  
Geographical Society of New York,  
which is now printing. If it were  
issued, I would be glad to send  
you a copy from which an  
abstract, suited for the purpose,  
could be made with ease. But  
I scarcely hope that the printer  
will serve me quick enough to  
allow me to do so within the stated time.

I shall therefore try to send you a notice of the required ~~size~~ length before the middle of May, & earlier if I can. I mention that time because I have now a course of lectures going on in New York & <sup>before me</sup> the closing of another in the college, with accompanying of examinations & which leave me very little leisure. Still if nothing new comes in the way, I hope to be ready for the first week in May.

You do not err when you say that such a task is one that I shall love to perform.

Pitter has done so much for human culture & for my own, & so deeply sympathize with him, that I do not feel at liberty to decline any opportunity to honor him & to ~~do~~ him all the justice due to his excellencies & his ~~services~~ services.

When do the Meetings of the Academy close? I have in mind to visit Boston towards the end of May & I should like to read a paper on some points which I should like to have discussed. I very much thank you

Cambridge within  
a fortnight to come.

I had a great pleasure  
in seeing, though for a  
few moments, Mrs Gray  
at our friend the Torrey's.  
I trust she has arrived  
safely to your delightful  
home. Pray tender her  
& Mr. Saunders's kindest  
regards I receive gratefully  
the renewed assurance of  
my cordial feelings

D. A. Gray      A. Gray

Princeton N. J.

Thursday morning

May 24th.

My dear Doctor,

Tuesday night on my  
return from New York, where  
I have a course of lectures  
still unfinished, I found your <sup>lines</sup>  
of May 19th. I had by no  
means forgotten my promise  
to send an abstract of my  
paper on Pitter, but my  
New York lectures combined with  
two courses going on in Princeton  
& the final examination of



our Senior class just  
dismissed, absolutely prevented  
me from sending it before  
today.

Not having the time to  
recompose a new article, I  
send a simple extract of  
my paper, reduced to nearly  
one quarter of its original  
extent. As in this form  
it will ~~be~~ probably be, <sup>still</sup> much  
too extensive, I thought I  
had better leave to ~~the~~  
worthy president the choice

of the materials that  
will best suit his purpose  
& the tenor of the rest of  
his address. By making  
a selection of the paragraphs  
he may still reduce it  
until it comes within the  
proper bounds.

As I have one week  
more to lecture in New York,  
I shall be deprived of the  
pleasure of attending  
the last meeting of the Academy,  
but I hope to see you in

P. A. Guyot -  
Princeton N. Jersey.

February 13<sup>th</sup> 1861

My dear Doctor,

I send you by mail  
this day the desired article of  
Dr. Hodge. You will see that it  
is not worth your while to take  
notice of its contents.

The article is a good & sound  
one, as all those written by the same  
pen. The present movement of  
the extreme Southern States, I do  
not in the least criticise, in my  
opinion, from the circumstances  
in which we have been since the

The presidential election.  
The leaders of the secession have  
worked hard for <sup>election of</sup> Lincoln in order  
to get a leader to act upon the  
feelings of their people.

Let them go. We shall see  
whether Providence will bless  
a nation the temple of which rests  
upon two pillars, "a bale of  
cotton & a slave". Such a  
fabric, in our Christian era,  
seems to me worse than the  
house founded upon the sand,  
the fate of which is described  
in the Gospel.

But let us keep the border states.

For them slavery is more a  
burden than a riches. May God  
open their eyes to their true  
interests, worldly & eternal.

I thank you for the  
few words on Mrs Gray. We  
much regret that she does not  
feel strong this winter. Please  
tender to her the affectionate  
regards of Mrs Sandoz, who  
is herself very well, together  
with my best respects.

Believe me, my dear  
Dr. as ever yours most  
cordially  
Dr. A. A. Gray. A. Gray

The following text is generated from uncorrected OCR or manual transcriptions.

[Begin Page: Feb. 27, 1873, Page [1]]

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[Begin Page: Feb. 27, 1873, Page [2]]

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[Begin Page: Oct. 10, 1873, Page [1]]

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[Begin Page: Oct. 10, 1873, Page [2]]

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[Begin Page: July 4, 1851, Page [1]]

[Begin Page: July 4, 1851, Page [2]]

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[Begin Page: July 4, 1851, Page [3]]

[Begin Page: Mar. 11, 1852, Page [1]]

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[Begin Page: Mar. 11, 1852, Page [2]]

[Begin Page: Mar. 11, 1852, Page [3]]

[Begin Page: Mar. 24, 1852, Page [1]]

[Begin Page: Mar. 24, 1852, Page [2]]

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[Begin Page: May 17, 1852, Page [2]]

[Begin Page: May 17, 1852, Page [3]]

[Begin Page: Aug. 1, 1852, Page [1]]

[Begin Page: Aug. 1, 1852, Page [2]]



[Begin Page: Jan. 17, 1853, Page [1]]

[Begin Page: Jan. 17, 1853, Page [2]]

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[Begin Page: Jan. 17, 1853, Page [3]]

[Begin Page: Mar. 8, 1853, Page [1]]

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[Begin Page: Mar. 8, 1853, Page [2]]

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[Begin Page: Mar. 14, 1853, Page [3]]

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[Begin Page: Jan. 15, 1840, Page [3]]

[Begin Page: Oct. 27, 1890, Page [1]]

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**[Begin Page: Sept. 21, 1881, Page [2]]**

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**[Begin Page: Oct. 4, 1881, Page [1]]**

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**[Begin Page: Oct. 16, Page [1]]**

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[Begin Page: Feb. 13, 1885, Page [2]]

[Begin Page: May 21, 1885, Page [1]]

[Begin Page: May 21, 1885, Page [2]]

ly or for the Tns ti,t,u tion, it v/onid give me great oieasure to  
furnish them as far as may be practicable, from my private  
coliection .  
I am, very respectfully,  
Your obedient servant,  
A .W.Greely,  
Ist«, Lt. 5th, Cav., A«S«0» and Ass\* t.

^49 Ends . )

**[Begin Page: May 25, 1885, Page [1]]**

Prof. Asa Gray,  
Harvard University,  
Caiiib ridge, Mass.

My dear Doctor;

The coi Lection of plants which I sent you through Professor Baird, would have been followed by a letter ere this, had I been able to attend to it.

The collection I sent you is as coiuplete as I could uaKe it with my limited knowledge of botdny, except as regards the moss, which I wiLl send you later.

I now enclose a single, plant which

T/ i U'

from any 1 hc.ve forwarded to you.^I should like to call attention to specimen No. 23, which Dr.Vasey of the Agricultural Department thinks a, new plant . IA~ cur— ^ t

appears

dif f e rent

In default of your being at Cambridge , and my necessity of getting some of my plants in order, I asked Dr.Vasey to identify the collection as far as possible, which he has kindly done. Tiere are,hov/-ever, quite a number of specimens, generally draba,w]iich he could not

**[Begin Page: May 25, 1885, Page [2]]**

I forward to you a list of plants found by the Engiisii in that ne ighboriiod, which ,aay slichtLy facilitate your work of Identifi- cat Lon.

I Siiould be pleased to furnish you duplicates or triplicates as for as laay be pract icabie , f ro.:i uiy personal collection of these plants, and as soon after your report as possible I will transuiit a set formal Ly to Harvard University.

It is understood that such of tlie plants as I have not mara- ded to be returned, are to be 'etained by you for your personal herba- l aia, ve ry re s pe c t f u l Ly ,

I J Yoilr obedient servant,

dr-C^ —

LA^w- 1

1st Lt . 5th Cav.,A.S.Oi

and Assistant.

(One Enc.)- ' '

**[Begin Page: June 2, 1885, Page [1]]**

Smithsontan Institution

AND

Sir:

/ beg to mform you that / have this day sent to your address.

Please sign and return the enclosed receipt.  
Secretary of Smithsonian  
Director of the Museum.

[Begin Page: Sept. 15, 1858, Page [1]]

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[Begin Page: Sept. 15, 1858, Page [2]]

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[Begin Page: Nov. 30, 1841, Page [1]]

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[Begin Page: Nov. 30, 1841, Page [3]]

[Begin Page: Dec. 24, 1841, Page [1]]

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[Begin Page: Dec. 24, 1841, Page [3]]

[Begin Page: July 19, 1842, Page [1]]

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[Begin Page: July 19, 1842, Page [3]]



**[Begin Page: Apr. 9, Page [1]]**

**[Begin Page: Apr. 9, Page [2]]**

**[Begin Page: May 4, Page [1]]**

**[Begin Page: Nov. 10, 1882, Page [1]]**

**[Begin Page: Nov. 10, 1882, Page [2]]**

**[Begin Page: Sept. 1, 1890, Page [1]]**

Organized February 24th, [887, for Historical and Scientific Study and Research, and the Promotion of Literature and the Fine Arts in Texas. Pamphlets of interest are solicited, also letters and documents signed by distinguished persons, for a collection being formed for preservation in the rooms of the Society.

TRINITY HISTORICAL SOCIETY.  
DALLAS, TEXAS.  
BEN, W. AUSTIN, Secretary.

Have you letters or other papers signed by the distinguished persons mentioned below that you would send us for our collection? Entire letters, written and signed, would be much appreciated, being more interesting than the signatures alone. Would very much like photographs also, if they can be spared, and one of yourself, as well as your autograph.

Hoping to hear from you in reply, I am.

Very Respectfully Yours,  
Secretary.

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[Begin Page: Nov. 11, [1882], Page [1]]

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[Begin Page: Nov. 11, [1882], Page [2]]

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[Begin Page: Mar. 2, 1889, Page [1]]

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[Begin Page: Jan. 15, 1839, Page [2]]

[Begin Page: Jan. 26, 1839, Page [1]]

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[Begin Page: Jan. 26, 1839, Page [3]]

[Begin Page: Apr. 5, 1851, Page [1]]

[Begin Page: Apr. 5, 1851, Page [2]]

[Begin Page: Aug. 11, 1853, Page [1]]

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[Begin Page: Oct. 20, 1857, Page [1]]

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[Begin Page: Oct. 20, 1857, Page [2]]

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[Begin Page: Feb. 17, 1858, Page [1]]

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[Begin Page: Feb. 17, 1858, Page [2]]

[Begin Page: Aug. 12, 1858, Page [1]]

[Begin Page: Aug. 12, 1858, Page [2]]

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[Begin Page: Feb. 13, 1859, Page [1]]

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**[Begin Page: May 21, 1860, Page [1]]**

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[Begin Page: May 21, 1860, Page [2]]

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[Begin Page: Sept. 24, 1860, Page [1]]

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[Begin Page: Sept. 24, 1860, Page [2]]

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[Begin Page: Oct. 3, 1860, Page [1]]

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[Begin Page: Dec. 31, 1860, Page [1]]

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^ /LA^i^ ^ , 7  
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7 yt^u, n^:3 :/ , A^  
^ f yA4-4>^ AnJ  
A AUf A4 ^/i AA, yijf^cMyA'o^ ACn f- n. yn.^ ^  
^AnA^oAd ^4-/ A 4C . AA Ay

**[Begin Page: Dec. 31, 1860, Page [2]]**

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y^yf tr/ ljr^-X y\*- />|7" ^ ^4-4cputA4^<-y \*yt-e-c^  
ti/^yi\* >u ycusyii y^cy^y ^ <t/3^» y £ ^t-j  
;j^4/«t-^ y ; yA-t-f ^ SI  
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y^ -tW-»>-^ u\*. -i44i. tr^ ^-4C4y\*4.l'4444i  
J^ry\* -' J^»-\*yt4.4 40 <%t44A>'^-/- 04-44-^ 4-4,  
^yXi/X/y o^cu^y\* \*4^ 4^u-j y^o 444 /  
y^ /Cy44A^ 4 4. f 0 0 ^  
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hX' Xf 4Sx4^>^ y 44-0^444 'Af \*44 . ^ iSc  
y^-u-y\* §44.^ ^44. y-O-yX 4ry —X~, C4,44-44-4-A^44\^-4-4 44/4/^y 0-4-  
Juy4-4- 4^ Si-JyyL-o y 440 ytC4l-/i444y4L-f J  
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yi-^f4y4-^ 4 A4 i Xc\*0 «a,^ /XcOCw-X\* XtOO-yXy\* XxZ-,^  
/ f/i-\*i-4i, 4 yx<u4 ^ / xxX4-i4y\*-4404 ^ 'A ^, 444 X 440 X 4 ,. ^ f  
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/^JSj f / £0/y\*~y\*i f X X^/y-0\*~X^ ^ / /\*4-». 0A44t4l,-i  
S^-- ,^444A0Xr4, 44^ Kh 4 ^ 444/44 J0A44Xr  
~y tJs ^C'^i/cXiS^S •  
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**[Begin Page: Mar. 16, 1861, Page [1]]**

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**[Begin Page: Mar. 16, 1861, Page [2]]**

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uZ^funJ A ^ ^^uyyyjy c^  
U^Ct/yt/f J A'pt' Ayp^  
'Uvt  
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' A J ^' ^ -\* -Amm jy, "Im ^ ^>7 jCf  
yp-uAut  
^ykyr^ /ihv^ l/y y t-A.tvyypY yy\*H  
^ ty%MyyCj ^ Ayr rnA^^ 4yuo y^AnCtJ^^  
^ ^ \* rv;>^ <-y»^  
Za^ ^-iiyu, '/i^ ^"V'TrutJ v^  
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tAy^/tf^ lyi-n^

**[Begin Page: Aug. 13, 1861, Page [1]]**

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/Z.W. - i\*yt^/yu'^-  
/zAy./'^- 'Ur^cJ-^\* ^  
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ni 7 ^./i.rs-i 1 f/. - ^-Y>'^y-  
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^ { ^fuM.x4i yt\*Act\A Aj. ^  
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^ y/Z/f- ^/Zt.UA.tA.tA 4 . ff.  
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^ /yy/. 7\*t0ty't.\*4(4i7A^ dYt  
^ ' f 't'/ftut / • r 0 l 0 ' 0 \*jtf\*^ ^'J  
fr. % 0 'tyth  
/ 4-^- U ')\* (   
'y,jt^ 4 ./ 4 zO. ~ ft-AT iMy' 0 \* 0 . l  
y/flY- ~ \*\*\*\*\*^\*yiyf / ]  
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yytiMf^^nA) /t 0 /\*\*\*! <y  
tt^^. \_ f\* -  
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 />Aa ty% A. 4-^i-^i. ^ ia.aJ^ ^y^UzCAy'.'^ y ^<zpC-,'--yi^  
 zp u pA^yy-t KA^x. y' yuA-izcArt  
 dztXp A' \*<• Aa. ^yiPiP' AytA-^ PC4tA' AzA^MA^ttAtA,  
 Paa^aa^aXa , , -^W AAAAA^  
 ^^fLziztA^ A-A^fty

[Begin Page: Aug. 12, 1864, Page [1]]

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 >C. cyA AyA aA" Acat/ Xcaa\* ^  
 -;/ AU/^cctl ha-/ A» Aaiac aaa^,^^ ^ yccuA  
 hm y^ nA^-cdltr / ^  
 ;y AlaaJ ^ ^  
 )A^r-K/ 7A~ fAuiA^ Aa^ yAuA'AA4^ O/UtJtA-\* /Aj!^  
 Ji/.^A/i/tLAC^ ^ y d/- AA<A.d^7tduu ^  
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[Begin Page: Feb. 20, 1865, Page [1]]

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[Begin Page: Feb. 20, 1865, Page [2]]

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[Begin Page: Apr. 7, 1865, Page [1]]

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**[Begin Page: June 15, 1865, Page [1]]**

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**[Begin Page: June 15, 1865, Page [2]]**

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[Begin Page: Aug. 13, 1865, Page [1]]

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[Begin Page: Aug. 13, 1865, Page [2]]

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[Begin Page: Feb. 21, 1866, Page [2]]

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[Begin Page: Apr. 22, 1866, Page [1]]

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[Begin Page: Apr. 22, 1866, Page [2]]

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[Begin Page: July 9, 1866, Page [1]]

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[Begin Page: Feb. 11, 1867, Page [2]]

[Begin Page: Oct. 23, 1868, Page [1]]

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[Begin Page: Oct. 23, 1868, Page [2]]

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[Begin Page: Mar. 12, 1872, Page [1]]

[Begin Page: Mar. 12, 1872, Page [2]]

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[Begin Page: Nov. 22, 1856, Page [2]]

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[Begin Page: Dec. 2, 1856, Page [1]]

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[Begin Page: Dec. 8, 1856, Page [1]]

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[Begin Page: Dec. 8, 1856, Page [2]]

[Begin Page: June 18, 1850, Page [1]]

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[Begin Page: June 18, 1850, Page [2]]

[Begin Page: Mar. 30, [1855], Page [1]]

[Begin Page: Mar. 30, [1855], Page [2]]

[Begin Page: Feb. 6, 1856, Page [1]]

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[Begin Page: Feb. 6, 1856, Page [2]]

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[Begin Page: June 14, 1856, Page [1]]

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[Begin Page: June 14, 1856, Page [2]]

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[Begin Page: May 27, 1858, Page [1]]

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[Begin Page: Apr. 20, 1860, Page [1]]

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[Begin Page: Apr. 20, 1860, Page [2]]

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**[Begin Page: May 24, [1860], Page [1]]**

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**[Begin Page: May 24, [1860], Page [2]]**

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**[Begin Page: Feb. 13, 1861, Page [1]]**

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**[Begin Page: Feb. 13, 1861, Page [2]]**