

Nashville August 17th 1878

Prof. Asa Gray Cambridge.

Dear Sir

At the time I gave to Mr Gibson a package of Tennessee plants I was indeed afraid that my careless determination would come under your notice. *Rhamnus lanuolata* pro *R. grailii* was a very hard plunder. However I am subject to a great variation of opinion in regard of species naming. Of *Phacelia bipinnatif.* and *Bellis integrifol.* I shall send you seeds. The seeds of the present year are, I fear, all gone.

Four weeks ago I started on a tour in the mountains of East Tennessee where I visited the Big Frog Mountain situated on the State line between Georgia & Tennessee and not far from the North Carolina line. The vegetation made up from very diverse species was, in the upper part of the mountain exceedingly dense and luxuriant rendering the ascent very time consuming. 6-7 feet over the average height of the Tennessees.

Lilium superbum abounded reaching a height of 7 feet.

I have counted 25 flowers on one shaft but could not see any with more. The summit is timbered with Chestnuts in full bloom at the time, with Black oak *Carpinus Am.* &c and any thing like an alpine character.

of vegetation was not to be noticed at least on the summit (5000') and northern slope from which I ascended. That this region is very cold gives mey inference from the fact that during the night we bivouacked on the mountain a deer came to us to gaze at our campfire and in the morning before we reached the summit we saw a bear and two bats not more than 10 steps to our right. The ~~southern~~ sides of mountains form inaccessible walls & in the depth of these gorges winds the Peace river and along it the copper mine road through the mountains. There I found at road side, years ago (18 years!) Saxifraga aizoon and Leucantheum folia &c and I had been anticipating all the time that the top of the mountain would be covered with a corresponding vegetation. The result of this expedition can not yet be given to the public but is yet, bundled up, very much in the dark. Anyhow at the foot of the mountain at Nashville I found yet in the ^{early morning} evening Chiclanthus tomentosa and Asplenium dentatum (sometimes workobrunneus) and Blitum arifolia (?)

During thousand hours in the Cumberland mountains on my return and stopping at the University a few days I collected also several yet undescribed plants, and in the evening of my

arrival I found Trichomanes radicans on wet sand rock, evanescent a Spring-bone. I found but a small quantity and in spite of all searching for the next 2 or 3 days, I could not find any more. The too frequent contact with Rhus Toxicodendron gave me an Eczema that drove me back to Nashville. On the 20th I made an excursion 15 miles south from here in the ~~Peace~~ Cedar barriers at Laughae on the Nashville and Chattanooga R.R.

I brought home Psindelia lanceolata a big supply, also Heliotropium trullium, Echinacea alba ^{redens} (?) Oldenlandia angustifolia (Gray) Hedychium ciliare Bouteloua antipendula Lichia sp. Hall of which on one spot. Here I found old and perished specimens of Calamintha glabella in such abundance that I consider the Cedar Barrier as the true home of this plant. I have found it in single specimens on the Banks of Cumberland (your note says Reinner by mistake) and still back by Nashville.

I will, as soon as time permits, make up a ~~selection~~ selection from all I collected this year for yourself. Presently I endeavor to use every spare moment for collecting more material. I wish to obtain your address

in regard of exchange. I do not think that my chances
permit me to expand my collection to the ~~extrem~~ western
and Southern part of the American flora, but would like to
gradually gather such a collection that would facilitate
me in knowing the Tennessee flora. I would like
to exchange with a few Botanists who know how to collect
well. Mr. Gilson promised to collect for me in Boston
and I would be very glad to get for him or any one else from
Tennessee plants.

Yours with much regards

A. Galtier M.D.

Nashville Tenn.



Gattinger, Augustin. 1878. "Gattinger, Augustin Aug. 17, 1878." *Asa Gray correspondence*

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