

For the other personal standpoint
my own interests suffer so that
I may for many years have to
rely on the puncture of needles - for
a living - while in prosperous times
I would heartily have been able
to devote all my time to the study
of my favorite sciences -

But complaints are useless!

Torry did not answer a letter
about Pines. I suppose he did
as I often do, wanted to give full and
correct information, and because he
could not, did not write at all.
What is Torrey's age?

I believe I told you that I
have got from Mr. Hale of Wis-
consin *Euphorbia Teryllifolia*
(*irregularis*) *E. Jageri*, *E.*
glyptosperma and *E. comutata*.

I learn from Dr. Parry that
he has sent you his Moss for
Silliman. I shall soon
do the same.

ever yours

J. Engelmann

Albany Jan 10' 1862

My dear Doctor

Examining these Gentiana
I have reexamined all our Gentiana
the western as well as the eastern
thoroughly and critically, as also many
European ones. The first and most
pleasing discovery is that that *Gentiana*
Bremontii is identical with the Siberian
G. humilis Steud. of which I have
specimens of Ledebour, it can not
be confounded with *G. prostrata*, of
which I have seen no European species
however. Another discovery is that
Griseb. is not absolutely reliable in
the *Prodromus*, though mostly superior
to many other collaborators.

Gentiana tenella? is certainly
distinct. I have been able to compare
specimens from the Alps, Norway, Alaska,
which all agree in their characters,
and in the difference from our plant
G. tenella is however mostly (in my
specimens always) 4 parted, not 5 parted
as Griseb. has it; I have it *G. debilis*
as Griseb. has it; I have it *G. debilis*

Gent. arcta, the larger form certainly does
not deserve that name. I have no other
specimens in my Herb. and should be obliged
to you for a fragment of the ordinary
(smaller?) form of that plant, even if
only a few flowers; also for a few flowers
if you can spare them, of *G. prostrata*

which I have never seen. I have specimens of *Mollis* collection named so by Torrey, but mine at least are *G. tenuis*, not *propinqua*. *G. tenuis* and *G. acuta* are so closely allied that they must come close together in a systematic arrangement. — *G. acuta* has also been collected by Hayden and by my brother.

The latter has in Utah collected a most beautiful little new species, which has the character of the calyx of *G. angustata* only in excess. It might be named *G. heterophylla*, though that name would designate many other species also, but none as well as this.

Another species which I have never seen and should like to get for you is *G. ochroleuca* var. — & see also

I am a little puzzled about those Rocky Mtn. Pines. Nobody notices them in those regions, but Parry says he has seen it in abundance and sends a cone very much like the eastern alba. Do you know any thing about that tree? Oh, Parry did not get more specimens of his pines, nor fuller ones.

& I can not conceive how our *G. japonica* could have been confounded with *G. procumbens*; the teeth of the lobes are quite different, and to speak of other characters.

G. procumbens & *G. japonica* grows also in Illinois — here

Asplenium parviflorum (Vine Creek) in Southern Indiana (and Illinois?)

G. Andrewsii & *G. japonica* — Torrey fl. 144 are figured incorrectly in the details.

I can now find only 2 typogr. errors in "How N. grows" though I thought I had seen more.

p. 36 l. 1. orange coloured or whitish, or better, orange, yellow, or whitish

p. 69. l. 6 for below petals for stamens.

p. 153. l. 5 a " would better read

few instead of one; I have 5 species on the roof of my house all the year round. (*M. sp. vulgaris* is not hardy here, while *G. Rafinesquii* is quite so. — Have you got *Raph. hirsuta*? —

I hope you have got back all your notes (Parry & Griseb.) comm. to me — the number of Bot. Lib. Soc. has been received. Many thanks. As soon as I have to pay you some money I will also pay any instalments to *Reserve Association*.

My time is very limited now my practice having increased since 3 months — so that oftentimes one hour of daylight can be devoted to botany! — But how I delight that way! In every respect — generally — I publicly and privately.

That first view the general destruction of property and life, and perhaps worth the general demoralization which it brings along, and which may not end for half a generation or a whole one.



Engelmann, George. 1862. "Engelmann, George Jan. 10, 1862." *George Engelmann letters to Asa Gray*

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