

Harvard University, Cambridge

April 2, 1886.

Dear Prof. Oliver.

I have a difficulty about a Northern U.S. & British Amer. *Onoclea* (the *Turritis stricta* of my Manual), about which I crave your kind aid. The plant I name so has the flowers erect and the young fronds sometimes quite strictly erect, but at length they are commonly patent or enclitic or ascending pedicels; and hanging as in *T. patula*, with which it has been imprudent at Kew, in Dist. B. Bourgeau's *Palissier* all. i.e.

"*Turritis patula* Hook. Rocky mts. all. E. Bourgeau, 1858" with erect fronds. "same as"
Det. "Lake Murphy Valley, 1857"
Det. "Murphy Valley 1859"
all = *Turritis stricta*, of my Manual, and of my *Guinea* M. t. 55 (opt.)

I do not see any reason why I should not be
incl. of the Rocky Mt. sp. of *Onoclea* (as it is)
X. Mr. C. is incl. in the West with *Onoclea*
the *Onoclea* ~~leaves~~ to *Onoclea* 2 'in brief'
It often occurs with *Onoclea* *leaves* *leaves*
all, the *Onoclea* *leaves* *leaves* of *T. patula*
(*Onoclea* *leaves* *leaves* 18 and 1858) *leaves* *leaves*
The *leaves* of the *Onoclea* are in *leaves* that *leaves* *leaves* the
leaves is *leaves* with *leaves*.

My idea of *Turnitia patula*, Grub.,
is Henderson's, N. Mex., 27.

Hall & Harbour's 36,

Parrish's — 94, } which

agree with the plant in the Botanical
Garden's — say Leipzig. 10 years ago —

"*Turnitia patula*, Saskatchewan, coll.
E. Boissieu, 1858" is not quite in
condition to tell, but I suppose it
may be what I so call.

(*T. patula* differs from *T. retrofracta* in
greater smoothness, and in glabrous pedicels,
but they run together. Perhaps my
T. stricta runs into *patula* also,
as you would seem to think at this.

Now my enquiry is, What is the
original *T. stricta* Graham?

Graham preserved no specimen in his herb.
We must rely upon the plant of Hook. &
Arnott, of Drummond, Rocky Mts., Has
Mr. Hook any specimen of Graham's
cultivated plant, originally described.

What is Hooker's plant? Can you
give a fruit, or a sketch, with the
nat. size? Is it like that
of Boissieu, Rocky Mts., 1858. "*T. patula*"
with erect pod 2½-3 inches long.

Compare also No. 35, Hall & Harbour
"*Streptanthus angustifolius* Nutt.," which
I had taken for a short-fruited form of
my *Turnitia stricta*. But it must be
different, with its short & broader pods, &c.
Can this be Graham's *T. stricta*? But
the pods are reddish, and the pods too
short.

The only thing I have from
Kear named "*T. stricta*", is one of
Oregon Boundary Commissioner, *Turnitia*
No. 2, *Turnitia stricta* Grub.? Rocky
Mts., at 7000 ft. alt. Dr. Lyall, 1861.
That too has reddish or pink flowers,
and might be a very dwarf alpine form
of Hall & Harbour's 35. No fruit.

If now you can throw any
light on *T. stricta*, please do, without
taking too much of your valuable time.

I had proposed, in the reduction
of *Turnitia* to *Arabis* to call *T. stricta*,
Arabis Drummondii. But is my
plant of the Manual really the
plant of Drummond, that is the
question. Ever des Prof. Oliver
(Yours most cordially) A. Gray



Gray, Asa. 1866. "Gray, Asa Apr. 2, 1866 [to Daniel Oliver]." *Asa Gray correspondence : letters from Asa Gray to various individuals*

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