

The Botanical Gazette.

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Expect to hear from
me shortly about the
slides etc -

Yours ever
Barnes

March 7th 1887.

My dear Deane:-

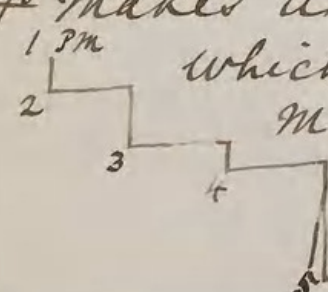
Yes, sir, I got your
letter of Feb. 20 and it is a shame
that I did not answer it promptly
but since that time I've just
been on the keen jump! I
have it yet ordered your D Eye-
piece but will do so by this mail,
and will also ask B & L to send
me the slides on approval -

I will willingly examine a
transverse section of *Aristolochia*
if you will send me a
piece in alcohol - The piece
you sent was of course shrivel-
ed when it reached me - You
will find alcoholic material
far superior to fresh for sections.
I will send you the section, too.

Goodale's reply was — as usual — very unsatisfactory. I enclose it. Please return.

"^{With} Late-formed secondary vessels" are simply ^{includes} those plants whose secondary vessels do not develop early.

I have been constructing a recording auxanometer of the most approved pattern. It is well on the way, and I hope to complete it tomorrow. The cylinder is of ash, with central steel axis, resting in a glass cup ^{below,} and rotated by a weight. The lower end of the cylinder has 24 pegs equidistant. A stop which catches on each of these pegs is drawn away by an electro-magnet which acts every hour, the circuit being closed by the striking arm of a clock. This allows the cylinder to make $\frac{1}{24}$ of a revolution. A pen supported on the thread from the plant bears against the paper on the cylinder & makes an ink tracing like this: in which the vertical element is the magnified growth of the plant and the horizontal element the $\frac{1}{24}$ revolution of the cylinder each hour. Safe?





Barnes, Charles Reid. 1887. "Barnes, Charles Reid Mar. 11, 1887." *Charles Reid Barnes letters to Walter Deane* –.

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