

Nov Dec 25

J

2038 Chestnut St
Phila

Dr Geo. Engelmann

Dear Sir,

Your card
was received some time since
but I have been so crowded
with work that I have not
answered. I am very much
obliged for the information
contained and would only
ask nothing more.

How can you tell that
certain cells are bast and
other lignum. Of course
in some instances it is easy,
but what is the crucial



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test in this case.

I have been so busy with other microscopic work which had to be done, that I have had to drop the pine-leaf question for the time being.

Next Spring I hope to take it up again and I shall be very glad to have any specimens which you ~~are~~ kind enough to send me

Yours truly

Crozer Griffith

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[Faint handwriting, possibly a signature]



Rec May 1
Ans - 4

2038 Chestnut St. Philadelphia
Apr. 28th, 1880

Dr. Geo. Englemann,

Dear Sir,

I have received the copy of your Revision of the genus *Pinus*, and am exceedingly obliged to you for it as it will aid me greatly.

At the suggestion of Prof. Potbury I began last summer the study of the anatomy of the leaves of the various species of pines, and have continued it, as far as my very limited time would permit, up to the present date; and have finished sectioning all the species which I have been able to obtain.

Especially after your kindness in sending



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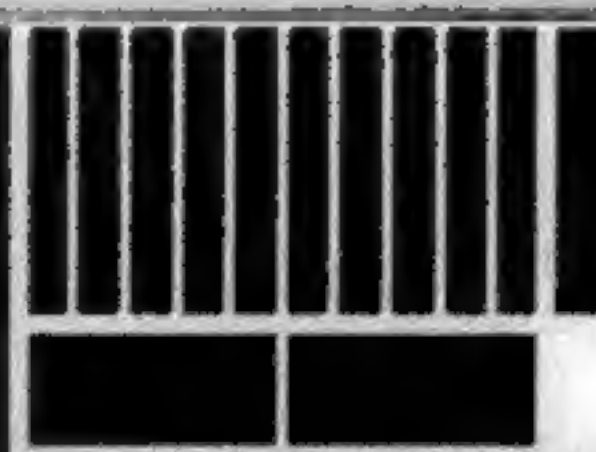
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me you hope, do I dislike to trouble you
with any requests. But being assured
by Prof. Rothrock that you will be
willing to give me some help, I write
to ask whether I can obtain from you
a few leaves of the species of pines
of N. A., which I have not been able
to obtain.

Of course the examination of the
identical specimens which you
have already examined, will be
but a repetition of ~~your~~ your work; but
I should like for my own satisfaction
to extend my investigations through
all the North American species of the
genus *Pinus*, - & I know not where
else to obtain specimens, but from
you.

If at your leisure my request will
not cause you too much trouble
I shall be greatly obliged to you

Any suggestions which ~~you~~ might



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occur to you will be most thank-
fully received.

I append a list of the species which
I have already examined.

Yours Respectfully
George Engelmann

— Species which I have —

Pinus mitis, serotina, contorta, edulis,
Chihuahuana, Elliotti, Sabiniana,
australis, Arizonica, Saeda, ponderosa,
Balfouriana, Coulteri, rigida, clausa,
tuberculata, resinosa, aristata, albi-
caulis, muricata-pungens, resinosa,
monticola, Banksiana, glabra, inops,
monophylla, flexilis, Lambertiana
Pinigana, Llaveana, —————

What are these last two? I
cannot find them in your paper.

Shals Canyon. *Pinus serotina*
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150
065

215
190

135
55

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Rec June 5

2038 CHESTNUT ST.
PHILADELPHIA

June 2nd 1880

Dr Englemann,

Dear Sir,

I am very much obliged for the pine leaves which you sent me; and am sorry I could not write and thank you before, but I have been so exceedingly busy that I have not been able.

"*Pinus Furegana*" about which I asked you, must have been *Pinus Torreyana*. The label on the specimen was so very badly written that I could make nothing out of it but "*Furegana*". I could not find any account of such a species, and so I wrote to ask you if you could tell me. I am sorry I did not first apply to the gentleman who



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5038 CHESTNUT ST.
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gave me the specimen, and thus I
would not have troubled you with
mistakes in writing.

When I first began to examine the
pine leaves I intended to make it
as complete as possible by examining
as many different specimens as
possible - in the way that you sug-
gest. For the time being, at
least, I shall not do it, for several
reasons. First. Because you have
already done it, and I could only
corroborate. Second. Because I
can in no way get time for it. Third.
Because I find it difficult to get
specimens which I can entirely trust.

If I had your knowledge of the Con-
fuciae, this last difficulty would be
obviated as I would be able to accept
a reject - specimens, as I thought fit.

But the trouble with the time
would still remain, and it seems
insurmountable. - With many thanks
for your kindness to me I remain
yours Respectfully, George Griffith.



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