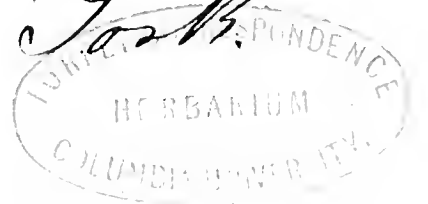


1.
San Francisco 16/12 65.

Dr. J. Torrey New York.



My dear Sir,

It is quite a long time since I had the pleasure of hearing from you. Your various letters, written on the steamer, were received in due time and sent to their destinations.

I am quite sorry for not having sent you Darlingtonia. I understood you wanted to see the plant only, whole head, but our friend Dr. Kellogg told me, that you wished the specimens. Now if the doctor is right, I wish to apologize for my negligence. Mr. Mann informed me that those plants arrived in good order. I thank you friends very much for their kindness; please to give them my due regards.

Of your happy return I was informed.

by Dr. Gray. I sincerely hope you found all those who are dear to you, quite well and that you yourself enjoy good perfect health and strength to work and assist us in our noble task.

Since you departed, I spent a month in the field, partly at Mendocino City and partly at Monterey.

Pinus insignis and *tuberculata* are still troublesome. *P. insignis* or the Monterey pine seems to be restricted to a small area at Monterey and Carmel. The form there, growing on bituminous slate is of great conformity and same size, it may cover 8-10 sq. miles. Only in a few places grows with it *P. muricata*. What we called *tuberculata* I collected now at Santa Cruz, Pelican Hills, Ukiah Mendocino Co, Forest Hill Sierras. These forms grow on metamorphic sandstone and are perfectly alike in appearance, cones &c. A suit of cones from Eureka were also alike. At all these localities, the tree is much smaller and different

in appearance from that at Monterey,
P. insignis. The foliage is also of a
less vivid green, but the seeds seem
to be alike. Trees raised here from
Monterey seeds and the so-called tubercu-
late show also a great difference.
I for my part am quite at a loss
respecting this or those species.
Dr. Engelmann obtained full sets of my
collected material and I am anxious
to hear what conclusions he will ar-
rive at.

At Mancharia Creek Mendocino
Co. I met a colony of *Libocedrus de-
curvens* in full bloom. It is the only
place in that county, where it can be found.

A very peculiar little pine, likely a
variety of *P. muricata*, I found growing
on the Mendocino plains, a strip
of land about 30 mi. along the ocean
to Noyo. On these so-called plains
I saw the greatest number of Ericaceae
plants together, all more or less stunted.
The features are so peculiar that I
determined to go there in spring in

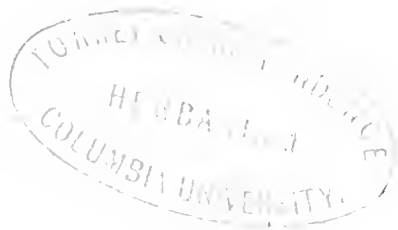
order to see, whether the annual vegetation will also represent peculiarities.

The Redwoods in that section are magnificent - I passed one forest 17 mi. wide from east to west. The undergrowth is very dense. Sunlight is excluded, you wander emphatically in the shade. At the borders of these woods are *Abies grandis*, *Douglasii* and *Torreya Californica* in abundance. At Anderson Valley in the same County, I met 7 species of Oaks - *Q. agrifolia* in every possible form aside of each other.

Dr. Kellogg's *Q. Morehuus*, a variety with deeply dentated leaves, loses there all specific value

My time I spent in these new sections quite agreeably, although collecting was out of question as it was late.





(When I say collecting, I mean flowering plants.)

On those plains I met also *Castanea chrysophylla* 120-150 feet high, while it is a mere shrub with us here at Oakland. The tree was in full bloom 23 Sept.

I noticed in that region a great absence in the Lichenose vegetation; indeed, it was quite surprising. At Monterey I found the same want in cryptogams.

Do you wish a set of my Lichens, mosses, Charas hepaticae? If so, I shall put them up nicely and in good excellent specimens during this winter.

Prof. Whitney arrived safely here and is quite busy again.

At Mendocino as well as at
Monterey I indulged in collecting
some Algae. Have we an American
authority on that class of plants?
Please let me know.

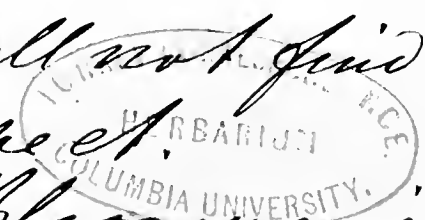
Who studies our Ferns?
We have here quite a large number.
Has American literature anything
systematical on that subject?

Or could I obtain through your
influence what has been published
on the Algae by the Smithsonian?
You would do me a great favor
if I could obtain it. I will willingly
pay you well in plants.

In short, if I am able to do any-
thing for you on this coast in my
line, please do not hesitate to
let me know. You shall not find
me tardy in any respect.

Dr. Kellogg and Mr. Bloomer wish
to be kindly remembered.

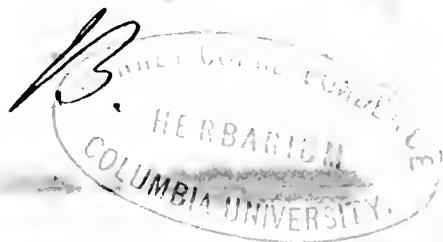
With due regards Yours
most respectfully
Henry A. Bolander



7

P.S. In making a selection of plants for us (Mex. B. Exp.) do not forget the grasses and cereals; those from the southern states and Texas would also be very welcome.

If in the course of your study of our Flora anything should be desirable or wanting, please to notify me always thereof, if in my power I shall procure it for you with the utmost pleasure.





San Francisco Nov 28. 70.

Dr. John Torrey New York.

My dear Sir,



If I should wait any longer you might consider me careless and ungrateful and yet my delay is due to your saying at the close of your letter, "in a few days I shall write again and tell you what the Botanists are doing."

Relying upon this I delayed until now.

First of all, I wish to thank you for your kindness, indeed it was quite surprising to see once more your own hand writing on this for

west coast. How often have
we talked about you, in the field,
and at home, how often have
I regretted to hear from Dr. Parry
that you are not much given to
letter-writing and get remembered
your friends.

Well, dear Doctor, I hope
you will make an exception
with me at least.

I and the old Dr. Thellogg were
out nearly all summer on the Summit
collecting. We have done well,
indeed. We saw many of our old
friends and made the acquaintance
of new ones. I was very fortunate
in the moss and lichen - "line". We
discovered also some new grasses
and among other a new *Dicentra*,
bearing always but one flower
and but one little leaf, quite ab-
solute.

What pleasant days those were!

Just think, I and the old Doctor started one morning for the snow patches, and had quite a game of snow-balling. The Doctor got the worst of it and thought we had better quit it; for said he, "the days of our boyhood are over."

How foolish are rich men, for not staying all summer on those mountains!

Dear Doctor, can't you help driving our eastern Botanists to give us soon a Manual? How much more could be done! How would it multiply our pleasures in roving over these hills and mountains!

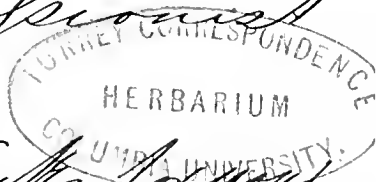
The railroad to Mt. Shasta will soon be completed. That will

open us another rich field.
By spring, the railroad from
Stockton to the Merced river,
will also be completed. Being
done, we can reach Yosemite
in one day's stage ride. The
road runs now to Clark's
ranch and two others almost
into it.

Can't you help us to keep that
Valley out of private hands?
Hutchings goes east to in-
duce the Senate to grant it
to him, at least the more
valuable portion of it.

What a shame for America
to give that beautiful spot
to an Englishman to practise
extortion (and a secessionist
besides)

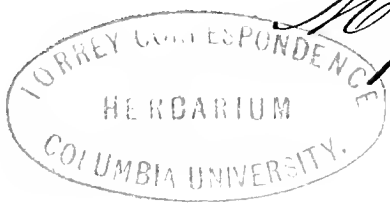
Once more my sincerest thanks for your
kindness
Yours most respectfully
Henry D. Bolander



San Francisco Jan 22. '71.

Dr. John Torrey, New York.

My dear Doctor,



Your kind and welcome letter of Dec 17th has been received. Let me first thank you for your kind attention. The matter, concerning our Proceedings I will tend to at the next meeting. We will be most happy to complete your set.

The *Darlingtonia* roots were collected by Mr. Robinson himself.

Dr. Cooper is not working or doing anything in our line

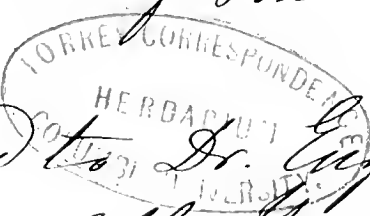


Zoology keeps him busy.
Dr. Gray sent me his mono-
graph on the Ericaceae. Our
friend Bloomer has no copy;
if you can spare one, please
send it to him. He is an in-
cessant laborer in botany.

I await with a great deal
of anxiety the monograph
of the Polemoniaceae. This will
assist us materially, since we have
so many of them still to be de-
termined.

I will see what I have of the
Hydrophyllaceous order. We
have at least some very nice specimens
of those previously sent to Dr.
Gray. They may be of some value
to you.

We will send to Dr. Engelmann
what we have of the Gucceae.
Please call Baker attention



Send me
Pentamer

to my large collection of our liliaceous bulbs; perhaps seeing them in a growing state would throw more light on the subject. Can't you induce him to correspond with me, for that order is in great confusion.

Indeed I would like to assist by furnishing material.

Suppose I send you material belonging to these families in question and you undertake its distribution?

I will see what I can furnish of the plants wanting in your set.

My set of the Reports of the Smithsonian Institution is still incomplete. I miss still the Report of 1857, 1859.



1861. 1862. 1865. 1869. 1870.

Of their Miscellaneous Collections
I possess none. Would you
have the kindness to use your
influence to that effect, that
I may receive them regularly.
They shall receive in return
two more sets of plants.
In fact anything that I may
collect. Especially now since
they pay a little more attention
to Botany.

Please excuse my delay.
 Hoping to hear soon from
you I remain

Yours
most sincerely
Henry G. Bolander

