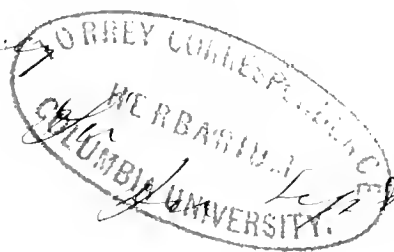


Rec^d. Jan 8/63

San Francisco Cal,
Dec 15th 1862

Stephen H. Hays

Dear



Sept. last

I visited the original locality
of your Darlingtonia and secured
seeds, fully ripe. I am unaware
that this truly rare plant has
ever been cultivated. I have taken
pains to send seeds to a number
of botanists in the hope that
some one may raise it, and
enclose a few to you.

The locality is about
30 miles south of Mt Shasta, in
the valley of the Upper Sacramento,
on a hill side with northern
exposure, where a small stream
of clear pure & cold water comes
down the side of the mountain
making a narrow swamp, but
three or four rods wide. The
alt. is 2500 feet - some snow falls
in winter, but the plant has an

unclimbed now for several
months in December. The leaves
were generally, in the richest plants
about 2 ft high, the scapes 30 to
36 inches. The plant has been found
in two or three other localities, but
I have not seen it elsewhere although
I have travelled over 9000 miles in this
state. This will give you some idea
of its rarity.

I have been employed
on the Geological Survey of this
state during the last two
years, and have made as complete
collections as limited opportunities
would allow, but hope, hope that
I have the material to throw
much light on the history of
this part of the Coast. I have been
nearly 19 months in the field, the
most of the time, in the Coast
Ranges, and all my collections
are from that locality. I have
done absolutely nothing towards a
determination of the species,

both because of want of time &
the absence of data on this coast to
do the work accurately. Many
families I will not attempt,
of course. So far as it goes, I
think I have the best lot of material
ever collected here, although the
actual number of species is
much smaller than that collected
by several others - especially Dr
Bigelow. Some of them must be
new, but I am much more anxious
to defer publishing until it can
be done well than to further
embarrass botany by the introduction
of a new batch of synonyms -

I shall probably bring a
suite of specimens East next winter
for examination -

I cannot but think that
very many Californian species
will prove mere varieties. There
appears to be a greater tendency for
plants to sport in local varieties
here than anywhere else I have ever

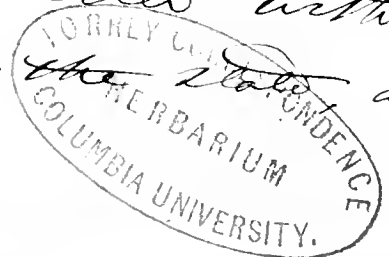
sem. The peculiarities of
climate are ~~very~~ remarkable,
~~that~~ this must necessarily be
20 - *Q. Purcu, Heinsii*, one of our
best known & best marked oaks - in
the valley is a fine tree, rivalling in beauty
the *Q. Pedunculata* of English parks,
but by slender acorns, often near 2
inches long - A mountain variety, in
Trinity County has nearly globular
acorns, with the smallest cups -
while on the mountains of Shasta Co.,
another variety, a mere shrubby
bush, putting abundantly when cut
2 feet high, and which either a
traveler would not be likely to see,
limited observations, making three
species of them -

How can I manage to get
as many well determined specimens
from this coast, from the Smithsonian
or otherwise for our State collection? -

I look under a great
disadvantage in collecting, in
not being acquainted better with
the authentic flora of the State as
known in the East.

Believe me Sir,

Yours truly
Samuel Brewer



✓

San Francisco Cal.

Rec^d Jan 18th / 64 Dec. 14th 1863

Dr. John Torrey
Dear Sir

Some seeds of the
Darlingtonia Californica Torr.

last month I found
a locality where the
plant is very abundant.
It is on the north
side of the Siskiyou Mts.
in the extreme northern
part of California and
southern part of
Oregon. It grows by
small streams of running
water, on a soil derived

from decomposed
serpentine or other
Magnesian rocks. All
the leaves contain
dead insects, they are
probably essential to
its healthy growth.

I have communicated
some facts in regard to
the plant ^{to Dr Gray} and have
supplied him with
seeds. I hope this
interesting plant may
be cultivated.

Yours truly

Wm H Brewer



Rec^d. May 21

✓

Cambridge, Mass

May 19th 1869

My dear Dr. Torrey



I am again exceedingly
at the mile of Calipumán
Botany - Am in doubt relative
to Pedum edule Nutt. - T. & G.
Fl. I. 560; Bot. Mex. Bound. p. 68. -

There is no specimen in Dr
Gray's Herbarium except an
imperfect one, supposed to
be that ^{species} in my lot, collected by
Dr. Cooper at San Diego - - But
in this, the stamens are inserted
on the base of the corolla, as in
Echeveria (Cotyledon of Linn &
Benth & Hook. Gen. Plantarum) and
furthermore, the petals are
slightly united at the base -
These would unite the

species with the genus
(Cotyledon or Echeveria) if I have
the right thing. Will you
be so kind as to examine
flower of a guessing specimen
or of a Mex. Bound. Specimen
and see how it is - The plant
has "scape particularly branched"
like Echeveria, all the other Cal.
peduncles are erect - in
short, it seems to me a very
poor pedunc and a good
Echeveria in every thing except
that it lacks the scales
at the base of the

carpels
Yours truly

Wm. A. Brewer



Brewer -
abt. Echeveria, Sedum
etc. and

✓

Carobridg, Mass.

June 15th 1869

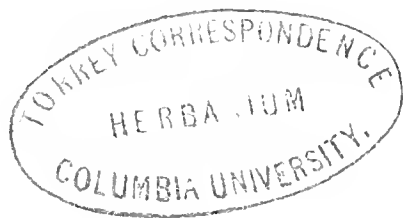
My Dear Dr Tracy -

I got your ~~last~~ ^{card} with
the flower of Leucisna edulis -
am much obliged - and
am sorry to vex you with
such inquiries -

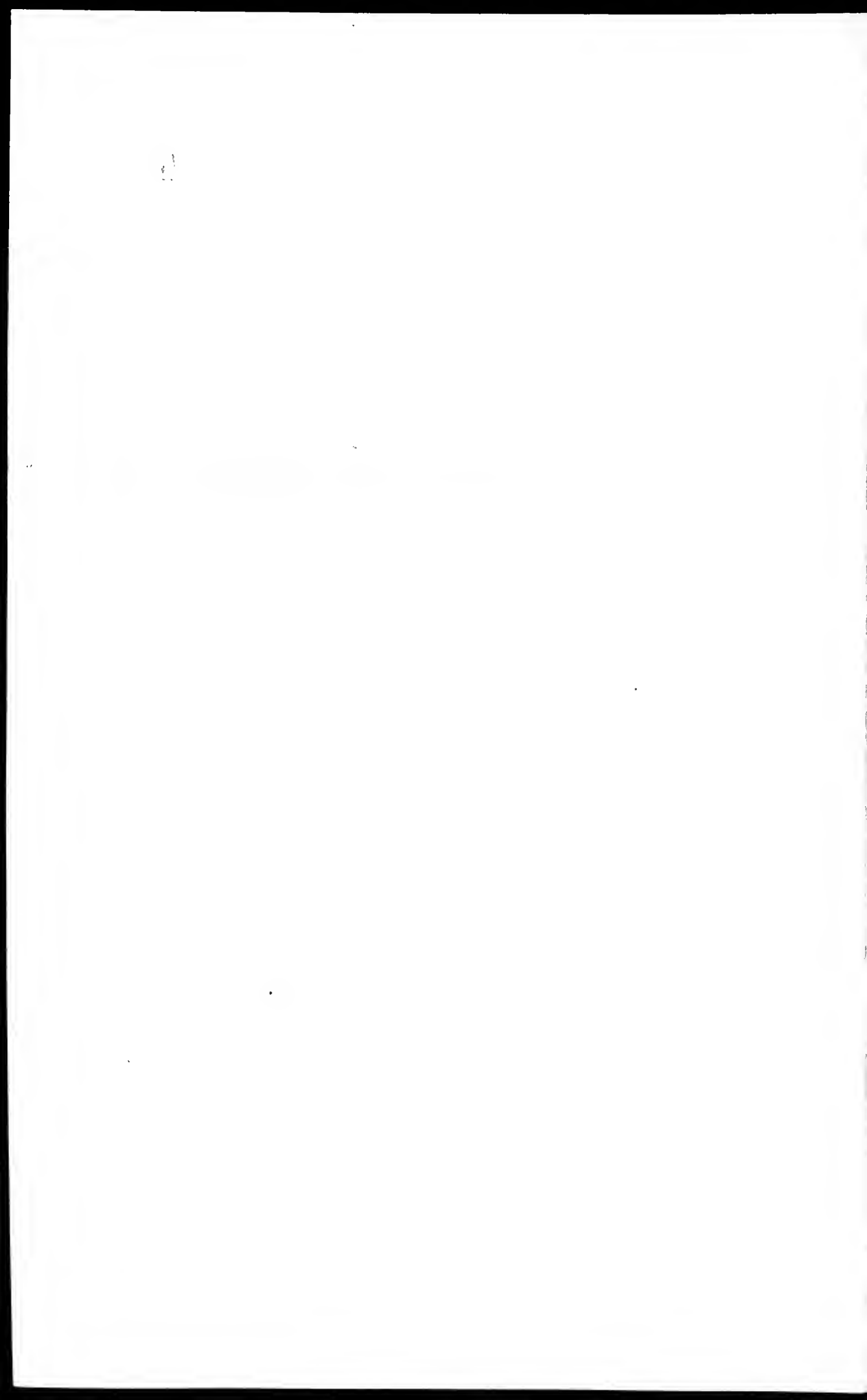
Was the genus Megarhiza
Megarhiza ever published?
and if so where? - Is your
Megarhiza, negana, the
same as Lycos neganus T. & G.
(as I surely infer) and has
the former name been used
elsewhere than in Bot. P. R. H.
Expt. Vol 6, part 3 - p. 74. That is
the only place I see it used, &
~~that is not by me.~~ & I
find specimens in the Gray Herb.

Labelled Acycos negans, but
more labels labeled ~~Acycos~~
Megarrhiza negans. I suppose
of course, that these are
synonyms, but wish to be
sure - I cannot find that
Naudin has examined it
at all, but I see Bent & Hak,
Jan. Plant. p. 835, throw it
with Echinochloa. I don't
think that I ever gathered
it. - Have you any idea
what Kellogg's Marah
muricatus (Proc. Cal. Acad.
I p. 38) is? - but I infer that
it is the same Megarrhiza
californica, do you know
anything about it? I have never
seen such fruit as he describes.
I am hoping expecting
to go out with Whiting on
a little trip in the
Rocky Mountains, & shall

about the 4th of July - a
he gave the number a 20.
Yours truly
Wm. H. Brewer

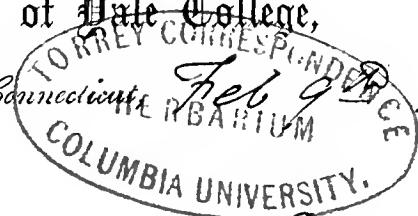


Marah minima Kellogg. Proceed. Cal. 21 p. 18 (of wh. I have
a sp. from the author seems to be an *Elaberrina*



Sheffield Scientific School of Yale College,

New Haven, Connecticut



My dear Dr Torrey A recent letter
from Prof. Whitney says that
there is strong opposition to the
continuance of the geological
survey in California, on the part of
many legislators, coming of course
from the same old source (mining
speculators) - The governor &
many influential men are
strongly in favor of its
continuance, but it now seems
doubtful what the result
will be. It is desirable that
Prof. Whitney should have such
backing by scientific men
east, as can be convincingly

gain, such as endorsement
of his fitness for the work,
but more especially of the
value of the work he has
done & is doing. He is
anxious to have an opportunity
to decently wind up the
work and publish the
results. Prof Dana & several
of the professors here have
strongly endorsed him, to
the governor, and if you can
conscientiously add in the
matter (as I think you
can) I think it would be
in the interests of science
for you to do it - in fact,
I don't know how we are to

Have a Botany of California
without something being done
there. If you would send a
letter to Gen. H. H. ~~Hugh~~ Haugh,

a letter to

Hon. Edward Tompkins

Sacramento Cal., It

would aid in the good work,

By the way, did we ever

send you a copy of the Yosemite

Guide Book? - If not, let me

know, I have a few copies left &

Whitney has directed me to

send you one - ^{If it was not done last summer,} but meanwhile, I

have an impression that

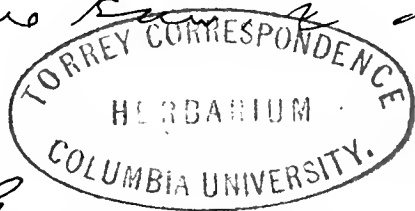
the thing was done - if not

please let me know & I will

do so now -

Yours truly

Wm. H. Brewer





Sheffield Scientific School of Yale College,

New Haven, Connecticut,

May 30th

1870



My dear Dr. Torrey

Yours of last Friday is received. I am not doing much towards the Californian Botany just now, because of College duties, but expect to be at work in a few weeks more. The remainder of this year, I expect to devote a part of my time to this work and a part to my College duties - next year I purpose to devote the entire year to finishing the botany, and any and all help I can

get will be most accepted.

I have talked with Watson
about his list of plants west
of the Mississippi - I will
pay \$100 towards it, ^(about 1850) to get it
out - it is a work that I
have long thought ought to
be done. The Lord & Co. Man
formed a plan to do it, - If
that is done, it will save
the trouble and obviate the
necessity of printing the
references in our manuals,
and other works on Western
Botany - But I hear that
Mr. Watson is rather inclined
to make such a book of
reference more extensive, &



include references to works of
the plants east of the Missis-
sippi, I think that would be
not only inadvisable, but
decidedly objectionable - In
the first place, the vastly
increased labor would
necessitate a much longer time
of preparation - but
more than this, it would
so enormously increase the
size and expense of the
prepared work, that I do not
think that it could be got
out - - It would probably
increase the bulk and expense
at least three fold, and I
think more - If you talk with

CORRESPONDENCE
R. BARTON
UNIVERSITY.

him, try and ~~discourage~~ ^{discourage}
him from doing that - (if you
agree with me) but urge
strongly the list of
Western plants.

I may be in New York
in a few ^{weeks} ~~years~~, and will
bring a "Foreword Genie Book"

for you.
J. D. Whitney is east now,
but will return to Cal.

Soon. Remember me to your
family, and believe

Yours truly

W. H. Brewer

