

Rec Jan 5  
Am - 8

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., January 1 1882.

Dear Dr Engelmann,

Here is a modest request  
which I venture to address  
to you. I want, in the  
description of the economic value  
of our trees, which I am drawing  
up, to add something in regard  
to the number of years. Each species  
takes to convert its sap into  
heart wood. The number  
of years does not seem to  
differ greatly in different individuals



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

of the species, although we found that  
in the Douglas Spruce. Different  
individuals differed very  
widely in this respect.

Now what I should like would  
be to have you send me the  
result of your examination of  
any Countries in which that  
by adding them to my own.

We even get some Sals-Potage  
returns. If you will send  
me all your long straps of  
paper. I will have them  
copied & returned to you on



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

If you will make a memorandum  
of the facts of the case upon them &  
send them to me. I shall be  
greatly obliged.

With best wishes for the New  
Year I am, as always,  
truly yours,

C. S. Sargent -

Dr. George Engelmann,  
St. Louis.



0 1 2 3 4 5 6 7 8 9 10

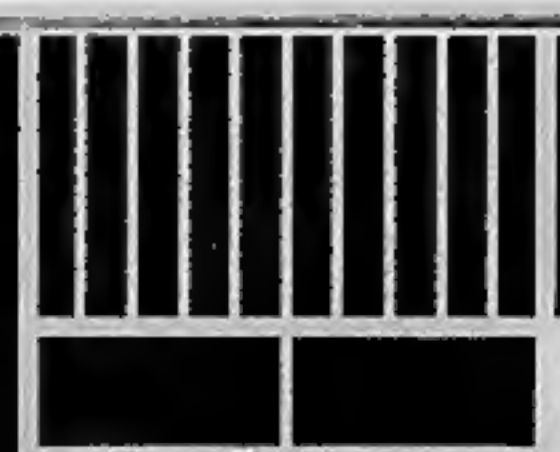
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec Jan 13  
As

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Jan 10: 1882

My dear Doctor,

What is your last in regard  
to Liebmans' Inocum

Drummondii and your

I. Wrightii? Shall they

be made Synonym of

I. undulata Gumbelii!!

Did you ever succeed in

getting copies of Michx's



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Paper upon the Structure  
of the leaves of Compositae?

If so will you send

them to me? I have

only seen the extracts

published in Journal

Amer.

A tremendous snow

storm to day: But we

are all well & happy.

Hope you are.

Ever yours  
C. C. Jones



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Suppose that Nuttall's

I. obtusiloba var. depressa =

I. macrocarpa, that being

the species which extends

further to the north-west.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

*[Faint, illegible handwriting]*

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



Rec Jan 19  
Ang - 27

What do with the book?

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., January 16 1882

Dear Doctor Engelmann

I have your letter of the 8<sup>th</sup> and am  
in plants for which many thanks.

Cubensis gets worse & worse.

Nothing can be got from cultivated  
plants for there vary so greatly  
~~among~~ among them selves. In fact to show

great variation there can be

found in what we now consider

species. I must feel prepared.

Get for you new <sup>species</sup> material.

(<sup>Mendocino</sup> ~~Massachusetts~~) was the case

was in fact to make Yucca.

<sup>macrocarpa</sup> into resurrecta. but that probably you



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

would never agree to. Yes I sent

the wood for Jamalpai's

the tree collected by Rosey in 1880.

for the Census. Show out the

heart wood of any Cupressus.

but Purple Arizona tree was

the macrocarpa. we ourselves got

I now  
I now want to see the heart

wood of Goviana + Le'natia.

Can you help me? That of

Macrocarpa is very beautiful

compact. odoriferous. and like

Juniper wood. and rather

unlike the soft wood of the

the thin. what seem undoubtedly



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

think for *Cubensis*. <sup>Was</sup> This out  
the last year. of the C. ~~republicana~~  
quite thin? I hope you have the  
account of the rings & of the  
prostrate tree, what you wanted  
that morning when I knew  
I had to leave. was you to come  
about noon or there  
watched Rose. I showed  
Puyfi. <sup>Green's</sup> <sup>Cypress</sup> <sup>Cubensis</sup>  
back. what he says is identical  
with what he saw. & I hope  
we can consider that matter  
settled. Puyfi will get off  
again. (this time to San Bernardino  
& San Diego) about the 1<sup>st</sup> of



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

the month. but will probably stop  
to see you on his way out.

I shall I am told be to give all  
the time possible to Cupressus in  
California. He <sup>ought</sup> to be <sup>able</sup> ~~able~~  
to report this matter. If there is  
any settlement to it.

I trust you would publish some  
reflections on Yucca data.

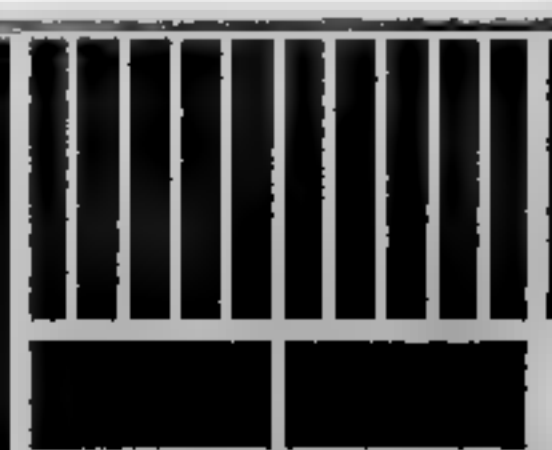
in the Bot. Society. We know that

I may be able to publish quite a few  
names in my new Catalogue.

What is going ahead now? with some  
inhibition. I am sure you can do  
the work as well now as later. I am

quite obliged. Yours faithfully  
C. J. Sargent

GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Recd Jan 24  
an Jan 27

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Jan 21 1882

Dear Dr Engelmann.

Thanks for the sheets of  
the Port Gazette - I sent  
~~understand~~ how I could  
have overlooked you under  
the Conifers. Now for the  
description of that Arizona.

Yucca - what so delightful as  
when we first saw it in the  
mesa. I found in the Gray  
Herbarium a few specimens of



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

C. arborescens. Inert and

for some of them that I gathered

a year ago in eastern Texas.

+ Smithson. In western

Louisiana

Smithson it is a very

common tree bordering all

the small prairie. and forming

just extensive groves in rather

low wet places. The bark

that is often used white.

will make this specimen.

I saw one in Texas. with a

bark 8 feet in circumference



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

+ certainly more than fifty feet  
high. Western La. & Kentucky.

Another ~~very~~ interesting. in

certainly the center of this belt.

of our Catalpa: and like so

many of our trees they reach.

thus their greatest size.

How about the tree measurements?

Just five minutes answer.

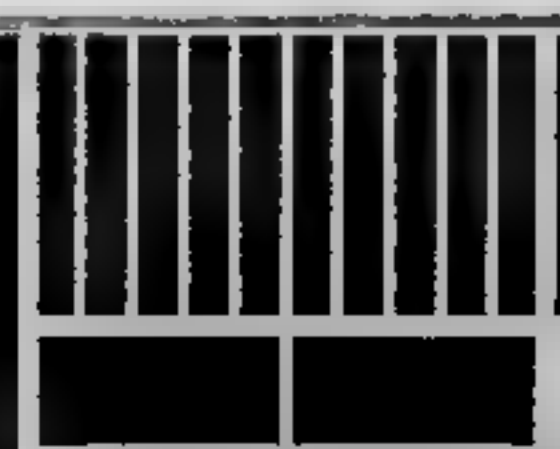
to get them together!!!

Two years ago tomorrow

I just saw you in St Louis!

I just saw you starting for there  
to day!

your faithful  
C. S. Sargent -  
(over)



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Dear - I tell you that Inula  
has reappeared in Fl. Alabama  
Druttell. & Buckley's Rhens  
atkinsoniana - a fine large  
tree. ? Unfortunately he was  
too late for flowers or fruit.  
For then he was in the Spring  
Just now we could get hold  
of Druttell's original atkinsoniana,  
locally. Harvey should  
find it.

C. C. C.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



Rec- Febr 8  
Ac - 14

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Feb 4 1882

Dear Dr Engelmann.

Thank! I fear I have  
given you an immense amount  
of labor on these tree-  
measurements. They show  
a greater difference in the  
age of top wood than I had  
supposed. But it will take  
many more - hundreds for each  
species. before it will be safe  
to say much about the average  
age of the top of any species.  
At present the whole subject is



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

most vague. - This will be more  
than a five minutes job. How!

Keep the enclosed if you want  
it. so I have an other copy.

I shall have a record made  
of the age or fall the  
New York specimens. so you  
suggest. I am sorry about  
the best word of those  
northern specimens. It might  
well have helped us. Why  
and we long about that  
wretched San Francisco  
when we should have been in  
Mendocino Co. & at Clear Lake?



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

A clear case of *Cephus*!

The neglected interests the genus.

We know the least about it.

The result is that we know

nothing about it. No even whether

it has heart veins.

But you certainly counted

the wings of a long feller.

C. maculipes. I am

see you stopping over it.

at this moment. but it is

not in your hat. Where is it?

As you see I am in a

most developed condition

on *Cephus* generally!



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

The edition of the Catalogue is  
long since entirely exhausted. So  
I return you the copy in what  
you were good enough to make  
my notes. at the time of its  
publication.

The press book had better  
be sent back to me. as the  
time when travelling for the  
Census has expired.

When we start forth again,  
I will make other arrangements  
for transportation.

Ever yours,  
C. S. Sargent.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Recd Febr 13  
An - 14

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Feb 10 188 2

Dear Doctor.

Thanks for notes and cones.  
Just received. Why don't you,  
when you meet such idiotic  
cases of P. pungens. as these,  
pass them coldly by? It would  
save an immense amount of  
trouble. and perhaps, in the long  
run. Some specimens. For if this  
sort of thing goes on. Some body will  
be making P. alba.  
..... on Engelmann's  
..... pungens;



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

and then how will you feel?

I suppose Watson knows what  
he is talking about. when he  
says that A. grandis is  
common in the Bitter Root  
Mts. and in the Blue Mts.  
and that he only saw a  
few of A. Canadensis in the  
Bitter Root, and no where  
else. east of the Cascades!

This seems to me very strange.  
but I believe you have seen his  
specimens. indeed we looked  
at them together a year



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

ago.

I am going to have the  
measurements carefully made,  
and shall go to New York.

Early in the week to see the  
book under way.

The ice under part of snow  
here, and locomotion is most  
difficult.

I see that DeCane is dead.  
Agree the man! although  
some of his ideas about Persea  
were peculiar.

Ever yours,

C. S. Sargent.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



A. - March 18  
Am - 20 x 22

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., March 15 1882

*Scrophularia*  
My dear Doctor,

Have the Isatis reduced  
you to eternal silence! How  
you can hardly be at the  
West of the State seems to be,  
none or less. But whatever  
the trouble may be I will  
try and rouse you with a  
dose of nervous stimulant (there  
is nothing like it!) in the shape  
of the Pinus. I find among  
Palmer's Mexican plants; +



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

which is new to me. Keep these  
branches if you care for it. but  
honestly return the cone. as I  
have no other. Evidently, *conifer*.  
did not interest him as much  
as they did us. as I can only  
find in his plants the same.

to the of *P. ponderosa*. & of the  
*Douglas Fir*

Hooker is now puzzling

over *Abies rubra*. This

cultivated specimen was

reasonable. & sweet. but



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Surely. we have nothing more  
to learn about these varieties  
of P. nigra. What I suppose are  
due to soil situation. i. e.  
hill sides or swamps.

I show his specimens with  
you. send his letters for  
you delectation.

A very cold snap here.  
with plenty of ice again just  
as the White Maples are  
coming into flower.!

Ever faithfully yours,

C. S. Sargent



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec March 27

as - 28

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., March 24 1882

My dear Doctor,

Thanks for your letter. Glad

you are in such good

spirits... but you say nothing

of Palmer's Texas Pine.

Did you get it?

I have just been looking

over your friend Robertus

Brown Compositarum: volume

Contributed to our knowledge

of our books. In it he speaks

of a catalogue of his printed



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

in the "Farmer" May 16 1866.

Do you know anything of this

or of any other work on the

Fronts or of North West

America. of which he says

"now in course of publication"

I should like to see it.

of his species

*L. Sederiana* = ?

*L. ~~stet~~ Erstediana* = Gouan.

*L. Echinoides* = densiflora.

*L. oblongifolia* = agrifolia ??

*L. Jacobi* = Gouan.

But what do you say about

them. What a chance for a specimen!

Just to help you. C. S. S.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec May 17  
19

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., May 14 1882

What the eastern base of Ramia etc. Skinner is in Algeria.  
will be born in about six weeks. Decimus. Darius, Longfellow.

My dear Doctor,  
I find that your letter of March 29;  
and that I have not yet  
received your letter of March 29;  
I am sure you are  
already in Washington!  
But since  
you went I have had an  
other daughter born into  
the world. (This makes no 5-)  
I have been in Washington  
besides very busy at home



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

about the Arbutum what is  
growing on my hands, and  
the ten thousand other things  
what occupy my time.

Well when you wrote last  
you were full of Texas

peaks - L. Muhlenbergii

for the Guadalupe Mountains

is unarguable, and unrespected.

here there it might be

located now much of

a Eastern species. As I

understand it that is the



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



Specimens which in California  
E. Texas etc. has often been  
called prunoides which I  
think is confused to the  
Eastern States. I never saw  
them a bush. What say you?

Quercus San Sabinae. I

took for a form of Q.  
stellata. part of Durandii

As you now see indicates  
to... The form is usually  
distributed over western  
Texas. I have not seen  
the fruit of San Sabinae. Have



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

You or any one else? Brongue has  
been down about 90 miles into  
Lower California, with Perry & Jones.

He does not make much, but  
when you have heard of him  
yourself I will send his letters.

We find fine forms of  
P. Perryana + L. Chrysolobus.

P. pendula, & the other

San Joaquin plants. By the  
way what have you heard about

his L. Chrysolobus from the  
Santa Rita. It took me!

I thought not to have seen it!

Brongue from the W.P. Survey with  
me his starting for Y. T. where he will  
be this summer in the Yakima Region.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Recd May 29<sup>th</sup>  
As John 114

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., May 26. 1882.

Dear Doctor,

Glad to see your hand.  
writing me more. Even  
if the sentiments which I  
write are pessimistic.

Bronze may for the present  
be addressed care of my  
friend Schuly. at Portland.

As 'Western Texas' is  
rather a large region  
perhaps you will tell me.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

for how far west you get  
I know. Myself of course.

West of the Rockies?

Come East by all means

span the Isthmus into

me. It is too hot in

Southern California. and

then the Antipodes! I am

thinking of arrangements in

September & may possibly

go as far as I want.

The yellow stone too, is attractive.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

and I want to go to West  
Virginia. & a hundred other  
places. and do a hundred  
things all at the same  
time. You cannot. I suppose,  
however to make an adequate  
State of men.

We have a good deal of  
ambitious reading.

Ever yours

C. J. Sargent -



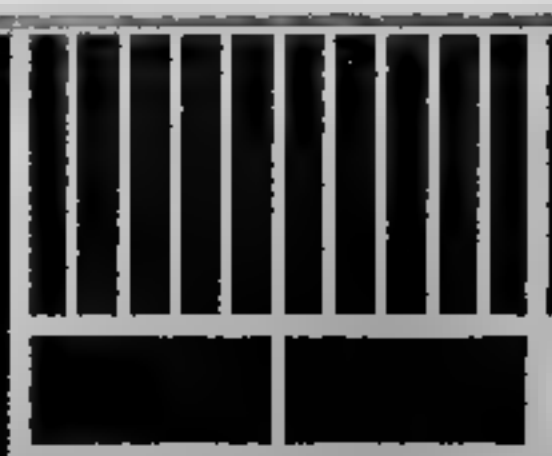
0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec June 23

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., June 21 1882

My dear Doctor,

I have written about the  
flowers of Pseudotsuga for  
you. will report success  
to you when I hear.

I don't like the idea of your  
being shut up in that St  
Louis all summer without  
your son and daughter, and  
nothing but a lecture to  
subly the nervous straits  
we all need. more unless.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

It is a pity you should stay.

Better come and pass the summer  
with me here. You shall  
have a room to sleep in,  
we often me to work in; plenty  
of children to play with. Better  
milk to drink, plenty enough  
to keep your hands in; a  
recreational sea-bath, and  
my horse to ride to Cambridge  
to see Gray every day if you  
like. And then when the  
1<sup>st</sup> of September comes we will  
pack up, and look at  
Northern Minnesota, Dakota.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



and perhaps the yellow stone.

Being a peasant and an  
in corrigible one at that you  
will probably find some fault  
with this scheme, but such as  
it is ~~present~~ <sup>present</sup> it must  
suffice. and if you really  
want to please me. Come  
& stay here for more than  
five minutes.

Faithfully yours,

C. S. Sargent.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec July 3<sup>d</sup>  
Am

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., June 30 188 2:

Dear Doctor,

No flowers than you on the  
Flushing Pseudolarix. Too bad!

But here are a few commendations.

to draw you away for a lecture  
for a moment.

Why is not L. Virginiana.

the oldest and best name

of L. Virginiana.

L. Virginiana. Willd. Bot. 7<sup>ed</sup>.  
no 17. (1759.)

L. sempervirens. Fernald Bot. (1788)

L. Virginiana but not Koen. III 356 (1747)



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Koch in his *Denkschrift*. III, 57.

Adopt Mallet's name as above.  
and why not?

Koch also adopts Kunze's name  
unsecta (1787) for

I. folcata. His plant was

*Isotriaena* DC. var. *triloba*.

What perhaps should not

be returned as a variety

in that case should not

the species bear the name

of unsecta? And if not

I. unsecta Koch. (not Kunze)

must appear as a synonym

of the species?



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

What is Juniperus horneri

of Missouri. but figured by DC.

but made by Koch. III, 141.

to include occidentalis, Wulson,

Andrus, Californica etc.!!

Abundant.

Am. Dwight is believing that

It was considered. Fambert's

A. grandis to be the same.

ambigua of Douglas. but

is one plant.

What you have got things

with the above. I can see in

the plants more ? ? ? ? &

Keep you busy. Ever you C. S. S.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec July 10'

Am - 19

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., July 7 1882.

Dear Doctor,

I have your note of the 3<sup>rd</sup> (why so long on the way.) but as we are going to Saratoga in the morning for a little change of a few days. I will delay saying any more about books until next week.

Now we are botanizing near Catalpa. There found in their neighborhood a tree blooming three weeks earlier than our ordinary Catalpa; with the



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

leaves of *P. Shumneri* as I understand  
them. with large flowers,  
a loose few flowered panicle, &  
all of which point to *P. Shumneri*.  
but the ~~the~~ lower lobe of the  
corolla is not divided, the  
stamens are slightly exserted  
and the upper lobe of the corolla is  
too short to cover the lower  
in the bud. Nor does the  
length and form of the corolla  
lobes agree with your description.

I enclose a few flowers for you  
to see. Either your characters  
as published  
are not constant, or we



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



have an unmistakable and very

Early flowering C. bigonoides.

But this flower shows early. more

of the best character of C.

florosa. will have this appearance.

If these flowers do not

resemble yours enough

contact I will send you

later properly dried ones.

As what grows do you

set aside. Murray - U.

biplex. f. h. subalpinum?

Murray name is lost. +

misleading. <sup>but</sup> ~~but~~ so are many.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

any proposition which looks to the cacti as being a  
"boston" will be rejected with ignominy.

of the old women. we are obliged  
to hold on to. Thus you should  
consider us to command  
to settle with your own  
conscience. In see I am full  
of ??? So you will have to  
come on. Even better work.  
Does not wrong you! You  
must indeed be badly  
demonstrated with your  
wretched cacti.

But good bye & to you.

Yours yours,

C. S. Sargent

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

recd July 25<sup>th</sup>  
As - - -

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass.,

July 22<sup>d</sup>

1882

Dear Doctor,

We have been back from Saratoga for nearly a week. A pleasant trip the waters splendid. But I have nothing for you about that Catalpa! Perhaps you are on your way here to look at the tree! I hope so. But in the mean time here are a few. P. S. what I hope sent here the effect of making you swear.

L. macrocarpa.

var. abbreviata a var minor A.D.C. for prostrate herb. What are these; and shall the names be retained what is synonymy?

L. stellata.

var Floridae. A.D.C. What is this?

and what are var depressa and



0  
cm

1

2

3

4

5

6

7

8

9

10

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

1852

*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page]*

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Brookline, Mass., [July 22] 188[2]

Utahensis? The latter I supposed some form of L. undulata. but surely there is no oak between Salt Lake and the Sierras!

What shall be done with L. alba var upwarda. Should it be retained as a variety. I think not. What is your alba var. microcarpa? Any thing more than what might be expected for a tree growing in poor soil.

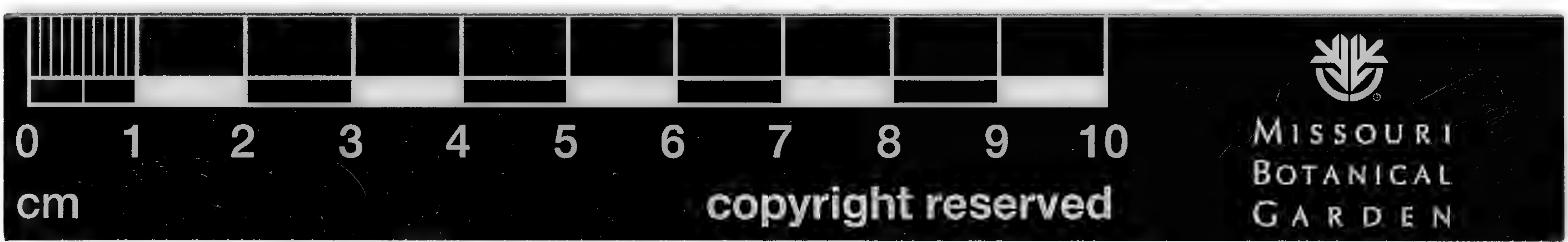
Should we describe L. Hurdleri & formosa.

L. undulata?

What is to be done with L. gambelii? 1868

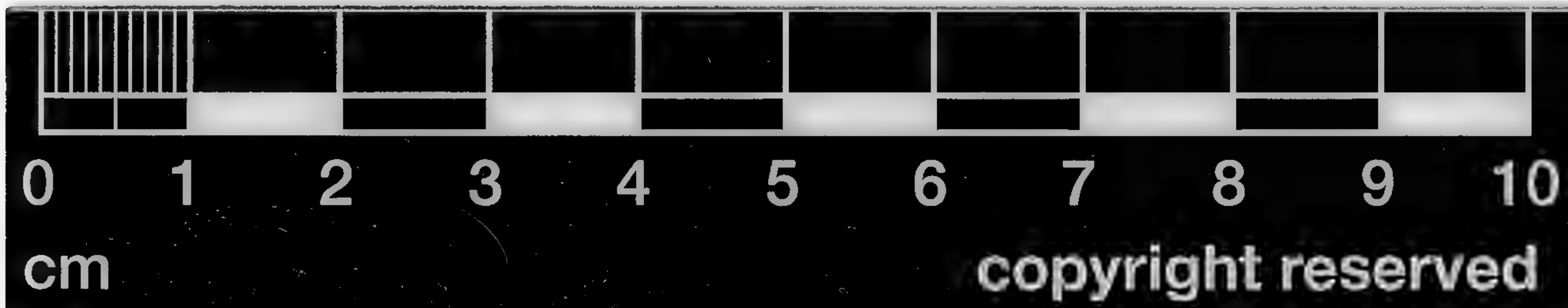
State a form of L. undulata. alba Gummado 1855

Other included all the forms of the Central region with the alba of L.



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



copyright reserved



Brookline, Mass., [July 22] 188[2]

Juncus spungens. Here if I remember  
rightly you propose to write under the name  
of J. spungens. But why not take it J.  
juncus, a little name one of the same  
date, and one Santa Rita tree, a very  
very pungent, and that is the long  
and short important (as a tree) form.

ADC's. J. Douglasii var. provenance.

belongs of course with undulata, but do you  
know what form he was describing?

J. falcata.

var. Ludoviciana What is it?

J. rubra.

var. minuta. Do you still think that  
this should be retained as a variety, or  
may it not be considered as a spungens?

0  
cm

1

2

3

4

5

6

7

8

9

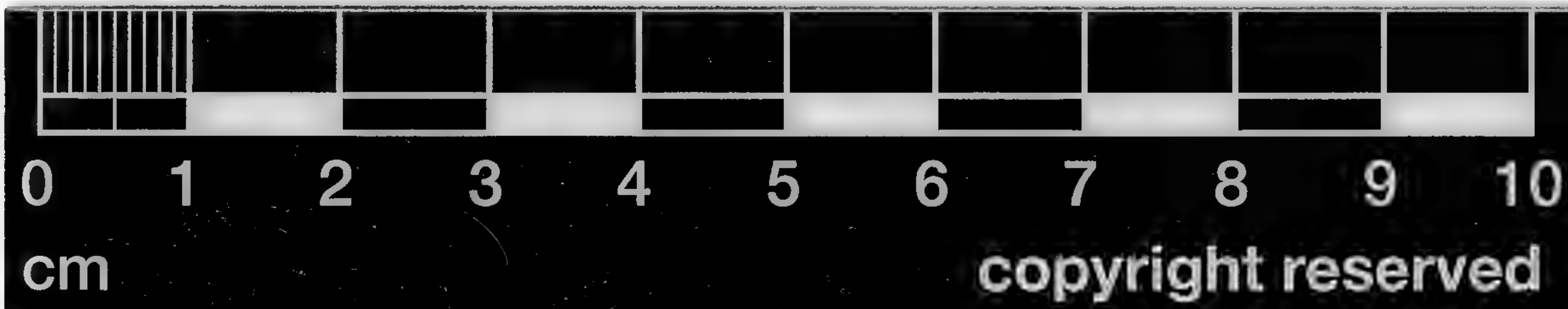
10

copyright reserved

MISSOURI  
BOTANICAL  
GARDEN

*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



DIRECTOR'S OFFICE,

Brookline, Mass., [July 22] 188[2]

What is Ad. I. cocinea var nigrescens?

var I. tritoria of course but why

Shreve has reports of his var tritoria?

And what do you know of his I. cocinea

var Regelii?

What is his I. Mellor var faberianum?

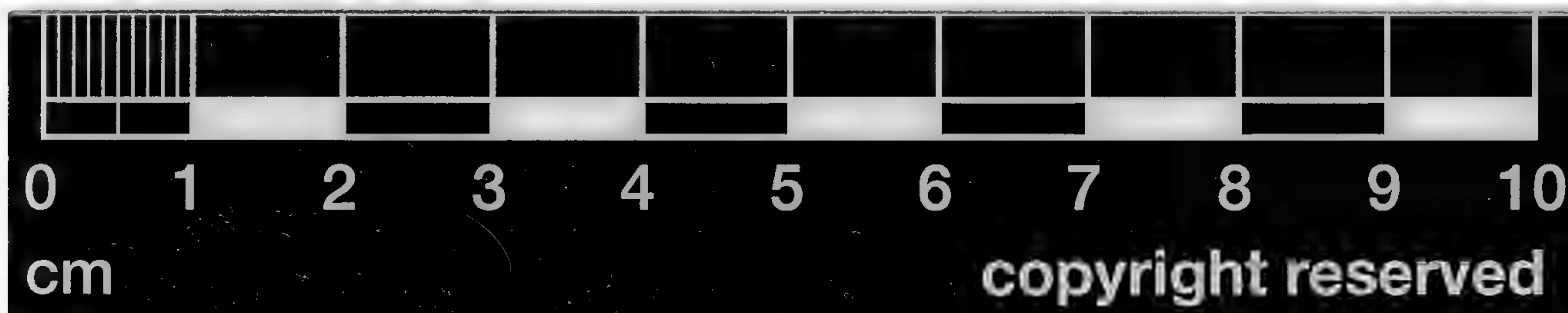
and I. imbricaria var spiculosa?

I. aquatica var stipitata. What shall be done with it?

I. cinerea var dentato-lobata what is it?

But here are already enough to say.  
So I will stop. But what the consequence  
if you can in these moments other part  
of trunk. I take your truly blade - care  
m.

Very yours,  
C. S. Sargent -





0  
cm

1

2

3

4

5

6

7

8

9

10

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS

Rec July 27  
Am. Arch.

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., July 24 1882.

Dear Doctor,

I am disappointed that you  
don't say more about the  
Catalpa! I send you to day  
a specimen such as it is,  
and also a sketch of the  
flower showing the inserted  
stamens and the undivided  
lower lip. This tree was  
in flower about 2 1/2 weeks  
before other trees of Catalpa  
in the neighborhood; and I have



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

no doubt that it is what is  
called Shepherdia. but how  
about your characters. If there  
are but constant may we  
not have to consider Shepherdia  
as only an early, large flowered  
variant of the old species?

Can you send me some  
of your authentic specimens?

I have nothing to look with!

I want proserpinaca the yellow

stone for this year. as I  
may only have the time to go



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

to the west of the RR. about in  
some place near the Eastern  
base of the Rocky Mountains.

June about 1860. in a day  
or two.

of you in boat.

C. S. S.

What of Perry? Have you  
seen him?

Have you noticed any difference  
in the time of putting out  
the leaves on the trees  
at St. Louis?



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec Aug 4  
Ans -

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Despatch

Brookline, Mass., August 1, 1882

Brookline, Mass., August 1, 1882

My dear Doctor,

Many thanks for your  
excellent back letter of the  
25<sup>th</sup> of July which settles for  
me many doubts.

I have been carefully over the  
question of change of names with  
Prof Gray. and the best thing  
under the circumstances seems  
to be to leave things pretty  
much as they are.

Miller's names (last ed 7)

seems to have been passed by

Arthur DC & the early botanical

of the century. been he had only a



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

part adopted the two names system  
and I suppose that they were  
wise in doing so.

This does away with L. Virginiana  
but leaves rather older L.  
dispermanis. that might be  
taken up. but rather whole  
Island do it.

Muller's P. phlyctis is also  
the older name but for the  
same reason. P. australis should  
stand. So also P. mopes instead  
of Muller's older Virginiana.  
So also P. mites for Muller's  
older P. schenckii.

The question of L. acuta is  
more difficult. <sup>Virginiana</sup>  
The Consideration



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



this himself as probably only a  
form of I. repens. + judging from  
his figures I am strongly inclined  
to consider his name as only a  
synonym of that species.

We do not know I. foliata on  
Long Island, but it is common  
in New Jersey, back of Staten Island.  
(over) but might have been on  
Long Island in the early days.

Mangrove I. uliginosa. if  
not aquatic is what? Certainly  
not heterophylla. It may have  
been overlooked in the locality, but  
then the acorn! His "black  
back" is good textura. Why  
not? How can you say the  
leaf of an oak is "unusual"?

By accident yesterday I saw across



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Some sheets of your paper. R. Brown.  
Brown's great work on the North West  
Fruits. It will interest you so I  
send it but you must return it as  
is it the property of the Horticultural  
Society. I have no idea whether it  
has ever been completed. Unfortun-  
ately one cut sheet in his talks about  
the books. Do you know "Potted"  
papers? How about "Catalpa"?

I think of going to Virginia, W.  
Virginia about the 20<sup>th</sup> of the month  
before going west. but I don't know  
how long there for 10 days.

When will you be here?  
Have you Knight's "Compositae" +  
Lawson's "Abietinae"? If so will  
you lend them to me, + oblige.

Yours faithfully, C. S. S.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., *August 17* 188 2

Dear Doctor,

glad to hear that you  
are safely here! Very busy  
this week (not even five  
minutes!) so I should have  
seen you before. Will do so  
soon. but if not this week.

I shall expect you to move  
over here when the frays  
go to Montreal. on Monday  
or Tuesday.

Yours, C. S. Sargent.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec Sept 25<sup>th</sup>

Ans

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Sept. 21, 1882

Dear Doctor,

Home last night! got  
far as Bismark in the  
Missouri: up to Winnipeg  
& the Lake of the Woods and  
then home by Duluth, Bayfield,  
Ashland &c. a good journey  
but not much of botanical  
interest - although more than  
enough of general interest to  
occupy mind well than I think  
I am completely demoralized  
to take. Tomorrow will send



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

In the evening. I only saw one  
black oak after leaving Frankfort  
in front. Whether the tree (very rare)  
of Indiana. I did not (only seen  
without fruit) what certainly looked  
like our L. rubra of this region  
is the same. I don't tell. I think  
so however. Notice the variation  
of the foliage. In the evening sent.  
2th constant character of the  
fruit. I have never seen a specimen of  
L. rubra or Coccone. with  
strict markings? ~~with~~ The  
fruit almost entire leaves  
are born on short sterile lateral



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Shrub. But in vigorous shoots.

but leaves on the same tree very

greenish. I still think it will

value. But what a value!

All the tree men. I could find

agreed in declaring that none of

the books of the book meet.

look on in autumn a brilliant

scarlet color. but the is of

course; no structure. - only a

suggestion. I have a corn to

plant.

Now in western of you to

think about! How about

L. prunoides. and all these



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

After commencing.

Tell me what you have done  
since we parted.

The friends are still in Trenton  
where they lived. As soon as  
the chicken-pox permitted... in  
the Monday following our departure.

Three of the children had it, but  
very lightly. I shall go down  
tomorrow, and we shall probably  
all return home on Monday.

Objection to the Enclosure, <sup>as usual</sup> ~~as usual~~  
evades the question!

Ever yours,

C. S. Sargent.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



Rec Oct 9<sup>th</sup>  
Am - " /

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Oct 6 1882

Dear Doctor,

I send you today a few  
acorns of L. Durandii

which Buckley sends from

Auster. I have picked out

a few sound ones for planting.

I look at the bracts of Lettenia

two Viburnums, and you will

find that you have V. Lentago

& obovatum. You have not yet

convinced me what the obovatum

bracts. See what Lettenia gets for

occurens! In haste, C. S. Sargent



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec Oct 19  
22 - 22

*Cercis uniflora*  
*var. conjungens*

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., October 16 1882

My dear Doctor,

In Hayden's plants of 1872 are  
cones of Pinus edulis (I have  
seen them) which Porter says he  
collected at Emerymont's Peak.

in Montana. Porter's  
Yellowstone Park. Porter who  
published the list of these  
plants is very sure that there  
is no mixing up of labels or  
location or that neither Hayden  
nor any of his people were that  
far in Colorado. Have you  
any reason to suppose that P.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Edulis you so far west? I

don't believe it, but suppose a  
hundred times when, but what  
say you.

An isolated Italian hundred  
families north of the range  
of the sea. and a few  
more than unworkable.

I am going into Va.  
Virginia tomorrow for a week.

but will look after Antioquia  
etc. Shall stop part of  
day in Philadelphia. with  
Conby. to go over things in  
Academy Herb. & Library.  
Yours truly. C. S. West.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Nov Oct 30

*Crucifera*

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

*Crucifera*

Brookline, Mass.,

October 27

1882

Dear Doctor,

Crucifera brevisperma.

want do. Name already  
occupied for a species of  
Algeria. Gibraltar etc. See  
Tulpeur. Ann. 1, 288. +  
by "Kunze. Flora (B. J.) 1846,  
p. 737."

Hope this want reach you too  
late. to stop publication.

C. Drummondii might do.

Accomplished withy in Virginia etc.  
No Crucifera. In best. C. S. Sargent.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec Nov 21<sup>st</sup>  
Ans - 22

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Nov 17 188 2

My dear Doctor,

Return the personal Compliments.

in the shape of the enclosed

letter and a few of Hooker's

albums. What do you say, now.

to Buckley!

Here are some things for  
you to think about. I.

peruviana. What is it?

I. coccinea + rubra. Can they

be separated; and how?

Yours truly  
The undersigned



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

P. S. S. Where is this?

Palatone's paper on structure  
of the flower of Conefence  
including the relation of

C. Lawsoniana. Where is  
it?

Have you seen C. formosa?

Have you ever seen it?

I. purpurea. What are your  
present views on this

species? Hope you don't  
want to reprint it. For

grasses.

I. oblongifolia var hevi lobata.



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN



Jones. Bot. Notes 460. = I

suppose. I. Douglasii. showing

that we were not the first who

found difference in separation

Douglasii and oblongifolia.

Mrs. Sargent is in New

York where she has gone for

a little change and to get

over "being run down".

The children often talk about

"Dr. Engelman", who is

often in the thoughts of

C. S. S.

I had to the 6 com & few fresh fruits

of C. visulensis. just sent by your

friend Jones.



0 1 2 3 4 5 6 7 8 9 10

cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Rec Dec 28<sup>th</sup>  
am 29

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Dec 25<sup>th</sup> 1882

My dear Doctor,

I hope that you are having  
a very merry Christmas, and  
that the New Year will bring  
you nothing but health, happiness  
and a never failing supply  
of nervous stimulants. We  
all, big and little, send  
you greetings.

I can't offer any thing  
exciting to day. but will  
show in a few ??? just  
to let you see that I have not



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Entirely forgotten how to do it!

How goes this!

In what principle did you  
in the Bot. Californica disregard

Cronquist's name of Senega

Hookeriana? You will say

no doubt because the name

of Abies Pattoniana is older

than that of A. Hookeriana.

But do not the rules require

that in adopting the generic

name that the specific name

first used in connection

with it. (in this case <sup>Hookeriana</sup> Senega)

Should also be adopted? Unless



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

reduce you back of all this and  
suppose that Murray's A. Hookeri  
was but A. hutchinsonii, and  
even then Comins must have  
intended to describe what  
we call T. P. Hookeri.

I give all this for your consideration.  
What now would you say to the  
various Coniferae here <sup>mentioned</sup> ~~described~~  
by Lewis & Clark, in the first  
place, and then described  
by that infernal Rafinesque,  
either by Endlicher, Comins  
or. Have you tried to fit  
the description to any known  
specimen? How will Jung



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN

Mentzeria, do fr. Sequoia

Refinesque - Come for some

guess or will to any one.

Let us hear you.

I have succeeded in securing  
for myself a tremendous cold,  
for Christmas, what I don't seem  
to know off with any great  
importance. But it won't, I hope,  
last long.

Always faithfully yours,

L. S. Sargent.

MISSOURI BOTANICAL GARDEN  
GEORGE ENGELMANN PAPERS



0 1 2 3 4 5 6 7 8 9 10  
cm

copyright reserved



MISSOURI  
BOTANICAL  
GARDEN