Rec March 1
Ans — 3rd

Feb — Jan 1880

ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., February 26th 1880.

My dear Dr Engelmann,

Have your letter of the 23d.

I had already for you a small package of plants done up. They will go to-day.

I did not mean to try even to convince you of the distinctness of P. sativa:— I have ~~only~~ not yet convinced myself.

Not having had sufficient opportunity for studying this plant — I only conceived an "impression" gathered

from habit and appearance & so of very little value or importance.

The fact that P. australis is being rapidly replaced by less valuable species is of vast importance. and the causes deserve special investigation.

The young plants of P. australis produce and probably contain more resinous matter than the other species. and so are more easily destroyed by fire. This would only account for this fact in cases of occasional and slight fires. for where

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the woods are regularly burned
over every year. any conifers
species would naturally disappear.

This I noticed. that were there
are regular fires. there are no
seedlings. in other ~~cases~~ situations there
are seedlings more or less plenty
with very few P. australis among
them. In these cases. I suppose
that the fires have only been
occasional — In other cases, as I
have yr, within enclosures
seedling P. australis abound.

It occurred to me that there
might be a difference of
time when the burns occur.

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matured their seed, when their germination; which might probably account in some measure for the preservation of one and the destruction of an other species.

Now it not that P. australis springs up so freely when protected I think account for the change by the hypothesis of ordinary crop-rotation — It must be certainly shadows up. and we want your aid and advice in the matter.

P. australis can always be distinguished with perfect certainty by the shape, terminal bud, habit, length of leaves &c.

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GEORGE ENGELMANN PAPERS

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Nov March 1

ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., ... 18

but not Ellis & Thi for Zeuda in their young state. Have we been your help.

So for the germination of Texodium. You have not quite convinced me.

Your sealings are very strong for spring plants. Suppose they had germinated in the autumn & been covered by water all winter. They would have still looked pretty fresh when you gathered them.

By the way did you have that

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as for Mr Smith from Zengan.

The Cypress becomes much smaller. Stems always subtense the contrary.

Thanks for sending pk.

We have many Stems germinating & will soon send you a set.

Pray take care of that Rose

In next Summer we shall have some hard climbing to do.

I think you are mistaken about the time of flowering of Zeda & Anchotelis. and

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that Teeda. follows Elliott's

by two or three weeks. and

that Australia comes last.

But this and much besides

I hope we may succeed in

clearing up.

Faithfully.

C. S. Sargent.

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Rec March 10'

ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., March 7th 1880

My dear Dr Engelmann,

Your note arrived this morning about an hour after that long delayed baby — a Son. His advent was slow and difficult. but now everything is satisfactory and will, I hope, remain so. But then, whole at best, is any thing but a pleasant episode in a man's life. however, provided the results

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I don't understand about the bad backing. It is unaccountable!

You say nothing about the Cheraw Indian book. I take it my determination was correct. By the way I forgot to tell you about a live oak I saw near Charleston in front of the old Drayton Mansion. I really believe it was the most noble and magnificent tree I have ever seen in any Country.

The trunk at five feet from the ground measured 19 but 10 inches; the perfectly symmetrical head —

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round topped like an apple tree — had a spread of branches 111 x 122 feet. there nearly touching the ground. and forming ~~one~~ an immense arbor. under which in the days of southern magnificence banquets were sometimes given. it was said.

I am going to try and get a photograph of this tree taken, if it, of any tree ever did, certainly deserves to have its picture taken.

When we were in Charleston, Mo. January 26. the Scarlet Maple was in bloom. Here to day I notice it in bloom for the first time. and

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nearly a month ahead of time up to that. So you will see that it is useless to talk of Pine flowers here yet. When the time comes I will look out for them all.

Faithfully yours.

C. S. Sargent.

Dr George Engelmann.

St Louis.

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Rec March 31

ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., March 27 1880.

Dear Dr Engelmann.

Thanks for the date of your visit to Colorado. I had written & meant to write to the Botanical Gazette giving an account of the experiment with your seeds, but am not quite sure whether you had collected them in 1874 or 1875. 1873 was the last year for which I have seen, but unfortunately some of the seed of that year germinated. Sincerely

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Tuesday with Canby; this time to Wilmington N.C. If there is anything you particularly want me to look after there drop me a line at once to care Edward Kidder. Wilmington N.C.

Yours in haste,

C. S. Sargent.

I am very much pleased with Letterman's energy and success. He is doing good work.

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Rec'd April 22

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., April 20th 1880.

My dear Dr Engelmann,

I received a day or two ago your note, and last night your splendid paper on Pinus. Many thanks. I have not yet had time to study it. Curtiss finds P. Elliottii very common at Appalachicola, and the plant Chapman, who must have passed it by! Mohr has followed it along

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Mississippi Sound to Pearl
Pearl River from which point
he ~~th~~ last wrote., so I suppose
it extends to the bottom lands
of the Mississippi River.
He finds it very common
all along the coast.

I have now some in structure
hand the numbers of the Southern
Pines.

The bark of P. Elliottii much
exceeds in thickness the other
Southern Pines. In my specimens
the bark ranges in thickness

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from 4/8 to 5/8 of an inch; that
that of P. australis does not
exceed 1/4 of an inch, the breadth
of P. Fraseri being still thinner.
That of P. Elliottii is usually
fissured. ~~both~~ which of course the
other are not; and in my
specimens the plates are much
larger, not smaller as you say,
than in P. australis.
I don't think I should be bothered
now in picking out these
three species by the bark alone.
Eh?. What is the exact

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locality in Mississippi for

C. globosa.?

I expect to be here until the

end of June. when I hope to

start for the west.

Yours very truly,

C. S. Sargent.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

Dr George Engelmann.

St Louis.

I have a letter for some days ago

that G. R. Vasey is en route for Southern

California. to collect for me. If you want

him to do any thing address him at the

San Francisco standing.

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Ans Apr 25
Ans April 30

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., April 25, 1880

Dear Dr Engelmann.

Green has sent me from the Pinos Altos Mts near Silver City. N. M. a fragment of a Pine, which I share with Jr. I suppose it to be Jeffrey's P. ponderosa var. ponderosa. of Wheeler Rep. but shall like Jr confirmation. But was not the tree very large for P. ponderosa? This is a tree 70–80 feet high.

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with a track two feet in diameter.

Snow storm here yesterday!!

Sincerely.

C. S. Sargent.

Dr Geo. Engelmann

St Louis

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Rec May 3d
Ans 5

[7—155.]

TENTH CENSUS
OF THE
UNITED STATES.

Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., April 30th, 1880

Dr George Engelmann,
St. Louis Missouri

Dear Sir,

Many thanks for the tree notes which I received this morning. A few (!) things suggest themselves to me. The information about Arkansas plants I principally obtained from Lesquereux's Flora of that State. I hope Letterman will be able to settle the range of many species in that direction more satisfactorily.

Robinia on lower banks of the Ohio Introduced. North west Arkansas, Introduced? Indigenous? What is the northern limit in Illinois of Burnelia lanuginosa?

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[Apr. 30, 1880]

Ulmus alata in Nebraska on strength of one of the local Flora.' How far west in Missouri is Celtis Mississippiensis? Have you the exact locality on Red River for Carya myristicaeformis? Must look up the White Oaks in New Brunswick. The bark alone of Q. Michauxii ought to separate it if nothing more. Where in Alabama is Q. laurifolia? How far northwest for Q. macrocarpa; beyond Minnesota? Does Q. Muhlenbergii ever grow in moist low situations or only on dry uplands? Must not Q. prinoides be joined to it? If so not on limestone only. Is not Castanea vulgaris in Missouri?

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[Apr. 30, 1880]

Roan Mountain is in North Carolina, but why should not A. Fraseri reach the equally high peaks a little further southwest which are in Tennessee? We must go and see.

Pinus alba, Black Hills of Dakotah? Dont you know? I dont, or how to find out. The western and north western range of this species is puzzling as it might ~~have~~ often have been confounded with P. Englemanni. Dall (Resources of Alaska) speaks of A. alba as a common and large tree in the valley of the Yukon, as far north as Fort Yukon; and his illustrations of the country show the hills heavily timbered with

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[Apr. 30, 1880]

a spruce like tree. What is it?
In what region in Arkansas is Smilax common? I cannot make it out!!
Will write at once about flowers of Pseudotsuga, hope to get them! Will look for flowers of all coniferous trees and the Manchoorian Walnut when spring comes, if it ever does! Please give me your opinion about the propriety of considering the following trees; Staphylea trifoliata, Ptelia trifolia Rhus Copallina, Rhus ornata Euonymus atropurpurea (in cultivation certainly a small tree) The line between trees and shrubs is difficult to draw satisfactorily

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[7—037.]

Tenth Census
of the
United States.

5

[Apr. 30, 1880]

Curtiss has rediscovered Taxus Floridana and sent plenty of good specimens. Have some? Mohr finds P. glabra as far west as Pearl River and not rare, or rather extending over a considerable area. He seems to have missed it at Pascagoula.

Yours faithfully,
C. S. Sargent –
Special Agent 10th Census.

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Ans May 11
Ans — 12

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., May 8th 1880

My dear Dr Engelmann.

Perry is here, and we have

decided the best part of a day

to discussing this summer

movements. If you will consent,

we agree then: to meet in

San Francisco during the first

week of July; go to Victoria

by Sea; devote a few days to

such portions of British Columbia

as we can see readily by rail.

That is a large part of the coast

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of Vancouver's Island. and

100 or 200 hundred miles more

or less of Fraser River.

Then by boat we could go to

Portland, and then back down

" South to Eugene City. which

would seem to be the proper

head quarters. from which to

explore the Northern Cascade

Country. Then South again

to Mt Shasta &c. or back

to Canon to San Francisco.

In this way we should cross

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going twice over the same
territory; and the going north
first by Des. moines later on
than quicker and with less
fatigue. than in any other way.
I propose to have home about
the 21 of June. so that it
probable. you will visit the Rocky
Mts: Yellowstone. Yosemite. or.
you m. If you want to stop in
Salt Lake. to go up on the
Cross Lines meet meet you
there instead of at San
Francisco. How does all this

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GEORGE ENGELMANN "PAPERS"

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Sent you. It would of course be a great thing, for me at least, if we could all go together. I

hope I may be in my official position to assist in getting facilities of travel or to some advantage

I propose to write to the Superintendent of the Census

to say that you & Dr Perry are going on this long journey;

that the value of my absence would be greatly enhanced

by your cooperation and the results of your observations both at the

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ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., [May 8] 188[0]

Write me to Southern California.

Angus & Co. are that he

Stones therefore ~~formal~~ provide you lots

with his solution we will

formment Roads. He denies

he will agree to this. This will

reduce considerably the expense

of your journey.

Here in San Francisco we can,

I think, without trouble, obtain

passes on all ~~the~~ roads

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other than those in which St. Louis

can furnish trustworthy.

Please let me hear at once

how will this satisfy you and

whether you incline willingly to

accept this small official

connection until my investigation

shall mean nothing, but then

for should you give me the

result of your observation

in future yr. that is any

time you desired so doubt

Yr.

J. W. Chickering

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GEORGE ENGELMANN PAPERS

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Rec May 13
Ans — 13

[7—155.]

TENTH CENSUS
OF THE
UNITED STATES.

Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., May 10th, 1880

Dear Dr Engelmann.

Thank you notes. Many thanks. Send help badly!

Farmer sent no cone. Only the axis to which a few scales were hanging. If there you had one. The axis of the cone is six inch long. Shall matter him for more material.

The nut cone in perfect order. Send it to the Rocky Mts. in the hope that he is still in the land of the living and at his old station.

Can you send us sub-specimens of your Cotoulpa? You somewhat hinted about the specimen of the Black Hills fir. Just times skip thru in my way out. But it will take too much time. Do you know anyone there?

Yours very truly, C S Sargent

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Rec May 18
Ans — 25

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., May 15 1886

Dear Dr Engelmann,

I have this moment received your note. I will write about transportation to day. I can only promise it on what are known as the Government Roads. That is the two Pacific R. Rs including the Kansas Pacific.

But I have no doubt we can obtain passes for the R. R. officials when we get out to

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California and Lucie see

what can be done about British

Columbia.

If you want until you have

finished all you have to do

before starting, that is the

month or two you want will

be time enough for your

journey. So make the pleasure

right lasting too, & Lucie

take quite. Yes, when Lucie

is Salt Lake City or

San Francisco expecting

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prefer. I shall be constantly

at home. You must see Shaw

for Colorado.

Perry will be back in a

few days. when we will

arrange all details. In haste.

Your affy.

C. S. Sargent.

That oak at my gate is

more flourishing than ever.

Shaw made a good

bitch of planting specimens of

all the rocks of this neighborhood.

No doubt but L. coccinea is a

good species!

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Rec May 22d
Ans — 25th

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., May 19th 1880.

Julius Kuhn, Halle. 7. Botanicum ... Other institutions. Botanical Institute. Botanical Museum. The letter must be written.

My dear Dr Engelmann.

General Walker. gladly furnishes Jos and Penny with pass books on all the Government Roads. There is none on the way to me here.

In order, however, to enable him to legally do so it is necessary that you should be appointed Special Agents of the Census Department ... Please send Commission — & Oath of office

merely a form. and will not entitle you any duties for that but to perform.

The commission too, will help you in obtaining passes over roads not included in your pass-book. and will thus generally facilitate your journey.

You will phone "report" in person either at Salt Lake City or San Francisco. as may be hereafter decided, and at a time somewhere about July 1st. Perhaps until me

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that there are no flowers in the Peninsula this year. but I have written him to look again. I have the Spanish of the Johannes Jeptam. and of all orders & conditions. which have got blooms.

Mrs Fraser P. Graham says common in the lower valley of Pecos River. I am going to send him up the autumn along the Texas Coast to see what the pine belt there consists of. and how far it extends.

Thus far I fail to get anything

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at all satisfactory about Texas.

Dr Buckley will be here again next week for the Academy meeting; and then we will decide more in detail about our movements.

Yours faithfully,

C. S. Sargent

Mother seems a little hurt I fear that you do not say more about his having found P. Elliottii in Alabama..!! He seems to have known it there. In some years, when he is astonishing to be here, during more than 20 years. Suppose that P. Taedaeae P. serotina!! Prof. Gray will be very interested of

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GEORGE ENGELMANN PAPERS

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Rec May 31
Ans Jun 1

[7—155.]

TENTH CENSUS
OF THE
UNITED STATES.

Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., May 27, 1880

Dr George Engelmann
St Louis Mo.

Dear Sir

I forward to you by todays mail a registered package containing a book of transportation orders and enclose a letter concerning them to which I beg to call your attention, asking its return to me

Very truly yours,
C S Sargent.
Special Agent.

F A Walker sends two books of Transportation orders numbered from 226 to 250 and 251 to 275 (25) for the official use of Engelmann & Parry in travelling over subsidized Railroads. The proper data will be entered upon the stub of each transportation order filled out and with any unused orders will be returned to this office (Census office) when no longer required

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Rec'd June 4

[7—155.]

TENTH CENSUS
OF THE
UNITED STATES.

Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., June 1, 188 0

Dr George Engelmann
St Louis Mo.

Dear Sir

One department of the Census has within its scope a report on the grazing resources of the United States, and in connection with this investigation it is proposed to examine the properties, distribution and characteristics of all the known forage plants.

Special Agent Clarence Gordon, of Newburgh, New York, is in charge of this department, and you will shortly receive from him a letter of instructions, giving full details of the work he wishes done in this matter, and of the methods to be employed in its prosecution.

I shall consider it a favor if you will

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aid his investigations in any way in your power. which will not interfere with the work you are to do for this department during your journeys this summer

Very truly yours

C. S. Sargent.

Special Agent

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GEORGE ENGELMANN PAPERS

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Ans June 7

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., June 4th 1880

My dear Dr Engelmann,

Yours of the 30th. I shall leave here on the 16th of June. I go via Chicago & Kansas City & Pueblo (probably) to Canon City. Alpine, Leadville, Georgetown. Denver & so up to the Union Pacific at Cheyenne. The best arrangement I could make with Perry was that, as it was uncertain when I could get to Cheyenne

Wrote for this letter

that as soon as I could
tell exactly when I should
know at Salt Lake I
would telegraph you and
him. That the telegram
should reach Omaha
Enough beforehand, to enable
you to have home and meet
me at Salt Lake within a day
of my arrival.
Hoping you don't care about
Salt Lake. I am willing to
give it up; in which case
we had better meet in
San Francisco (Palace Hotel)

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about July 1. Then if I am a day or two late or you are a day or two late. it will make no difference as San Francisco is a good place to wait in. By stopping at St Louis we shall see Miss Lincoln Potter & Fennelli or so. shall make some pleasant excursions. I have the dream of whether we stop there or not entirely to you. and then La Jeunesse say what for day. But if possible,

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I should like to know at once what you decide.

There will be no difficulty about getting passes in the cars at Ogden. If we stop now, we shall leave letters to the Specials.

I shall take a few white shirts and old clothes, coat, for special occasions in California, although only the oldest & most clothes.

Have you an aneroid barometer to take? If not I will take mine along. Let me know soon as possible, in answer to

GEORGE ENGELMANN PAPERS

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Rec June 9
Ans same day

[7—155.]

TENTH CENSUS
OF THE
UNITED STATES.

Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., June 7, 1880.

Dr George Engelmann.
St Louis

Dear Dr Engelmann.

I wrote you two days ago, and have now your letter of the 1st inst. Lest there may still be some uncertainty in your mind. I write again to say.

1st That you may decide whether we are to stop in Utah or not.

2d That if we meet in Salt Lake City. we are to meet there during the last week of July, on a day to be fixed by me by telegraph. from Colorado,

3d. That if we do not meet in Salt Lake City. then we shall meet at the Palace Hotel, San Francisco. about July 1. but not,

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[7—037.]
Tenth Census
of the
United States.

Alex Jones 9"

[June 7, 1880]

2/

in any case, later than Monday the 12th.

I don't see now how I can be more explicit, but it is impossible to say just how long I shall be in Colorado. I have here on the 16th. and shall be in Chicago on the morning of the 18th, and Kansas City on the 20th. So I am leaving very little time for Colorado.

I shall take both very thin and very thick clothes: a good supply of dockets, paper, a thermometer, and an aneroid barometer, unless you do. one will be enough.

Have maps enough for the party, and will take as many letters of introduction as possible.

Please keep Penny posted, and if desirable use the telegraph freely in communicating

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[7—037.]

Tenth Census
of the
United States.

3

[June 7, 1880]

with me. as you can send dispatches at government rates.

Shall I send you some stationery, or don't you want it?

Tomorrow I want you pick flowers of Prunus virginiana. for Mrs Hunnewells' garden.

Mother sends lots of love. & what he calls L. palustris. but all probably L. lanceolata. Those I enclose are unmounted.

The two ~~from lower branch~~ with very wedge shaped leaves. are, he says from a lower branch. They bother me considerably. What do you say? The single leaf might be Corcanica! But who knows! The mature ones of all the species will be collected here. during our absence.

Faithfully, C. S. Sargent.

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Rec'd June 14 1880
Ans — 15 to Chicago

[7—155.]

TENTH CENSUS
OF THE
UNITED STATES.

Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., June 11, 1880.

Dear Dr Engelmann.

It is impossible for me now to fix the day on which I can be at Salt Lake. but it will, I hope, not be later than the 28 or 30.

As you will probably want some time there when I shall. why don't you start on the 24 day. go to Salt Lake. & wait there until I come. this will be as soon as I can get there? If I am detained by any chance be delayed in Colorado for a day or two. you will be in a comfortable place. and can be able to make some short excursions

As Fremontia, there are in Salt Lake only two hotels. the one of brick kept by a gentile, the other a low wooden building kept by a Mormon. I stay at the latter.

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[7—037.]

Tenth Census
of the
United States.

[June 11, 1880]

bki te), and want for me at Salt Lake.

I recommend the latter.

Rather now seeds but you seem to go with the lime I sent you. They are clearly L. mutica but the tree grows only in Sonora!! In one case the tube and scale is intermediate between mutica & lindheimi. L. ambigua!!

Rather I've found P. glabra very common in Southern Alabama. as well as P. mutica.

In one way or another I am getting a good deal of interesting information.

Yours faithfully,

C. S. Sargent.

I depend on you to keep Penny posted.

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Rec June 16
Ans

[7—155.]

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Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., June 12th, 1880

Dear Dr Engelmann.

Since writing you yesterday I have yours of the 9th inst. saying that 1st you will have St Louis on the 20th. 2d that you will have Salt Lake on the 29th.

I like this very well. If I can get to Salt Lake before the 29th I will join you there: but shall be delayed longer than I now what in Colorado. (and it is hard to say just how much time will be taken up in such a journey) I will push directly for San Francisco, and get there (Palace Hotel) just as soon after the 1st of July as I can. I feel, however, that two or three days longer or shorter, will make no difference to you there, as there is much to see in the neighborhood of the City. and you will,

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no doubt require some rest after the long journey.

To recapitulate: You will start on the 26th; you will have Salt Lake on the 29th, and you will arrive in San Francisco on the 1st of July.

I shall have Kansas City on the 19th and will stop at Salt Lake, provided I can reach there before the 29th, failing in that I will push direct for San Francisco. This seems clear enough. Write to Palmer House on telegraph if necessary, to arrive in the morning of the 18th. Then for me write later care of T. J. Brandigee Alpine, Chaffee Co. Colorado. You will address you simply Salt Lake City. To send to the general Post Office your address on arrival.

Marcus E. Jones is there. I think that we are coming. You can find his address at the general P.O. I rather doubt if I get to Salt Lake in time. If not then look out for the specimens.

Yours in haste. R. S. Sargent.

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[7—037.]

Tenth Census
of the
United States.

[June 12, 1880]

what people said on the last trip. and
there unless there have been some important
changes. I think we had better go.
We cant afford to give much time to Salt
Lake. as we must get to the end of the journey
(Victoria) with the least possible delay.. and
then work back as slowly as you like, or as
time will permit; for the reason I think the
plan of your starting on the 24th a good one.
as you will be able to spend more time among
the hills above Salt Lake, then I can
join to them. Write me at once to Palmer
House, Chicago, whether you will wait at
home. until you hear from me by telegram.
when I shall be at Salt Lake, or whether you.
will start on the 24th (as planned earlier) if you

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Rec'd 16
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[7—155.]

TENTH CENSUS
OF THE
UNITED STATES.

Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., June 13, 1886.

Dear Dr Engelmann.

I have just learned from San Francisco that the mail steamers leave there for Victoria on the 10th, 20th & 30th of every month. We shall be too late for the steamer of the 30th June, but will take that of the 10th of July. This will enable us to perfect our plans in San Francisco & make some excursions. Knowing this you may decide to delay leaving home for ten or three days. ~~after~~ & what time we could certainly meet in Salt Lake City. It is telegraph to Chicago.

I hope you will at any rate see the American Canon near Salt Lake. I want to also, if I can. If you get to San Francisco in the 4th for all still have an week there before sailing.

In haste, C S Sargent.

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Rec'd June 18
Ans same day to Kansas

[7—155.]

TENTH CENSUS
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Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., June 18, 1886

Dear Dr Engelmann,

The hotel at Salt Lake City is agreed to which I invite you is the Townsend House. This is where I stopped. The more "swell" brick building is the Walker House. I will address you simply Salt Lake City. I shall be on Saturday at Kansas City; if necessary write me there care of George H. Nettleton. General Manager. Fort Scott. R.R. or if too late to catch me there care of Brandegee.

I have arranged to get letters from Velasco in case he gets to S.F. in time to have them sent to us. So as to reach San Francisco on the 10 or 11 July.

~~I hope~~ I rather hope that you will delay your starting two or three days. so that we can visit American.

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Cross together. As it stands now, unless I can get to Salt Lake before the 29th I shall stop there, but go direct to San Francisco. As we cant sail until the 10: it looks seem wise for me to hunt a little more time to Colorado and Utah.

Your brother,
C. S. Sargent.

As it might make some difference to my Colorado plan. I should like to know at Kansas City. whether you will delay starting so as not to leave Salt Lake until the 2nd or 3rd of July. instead of the 29: So telegraph. the letter date at which you will leave Salt Lake. & the date of your arrival there. provided you make any changes of the plan as it now stands.

C.

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Rec San Bernardino
Nov 12
Ans S. Rec Nov 14

C. H. - Sec 1880

ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., October 23d 1880.

Dear Doctor,

I got home Monday night and this is Saturday and I have not before found that "five minutes" to tell you of my safe arrival at home. We came along very quietly until reaching Cheyenne, where we got into the big storm which stopped us, and until then. Causing a loss of all connections, and prolonging the journey by twelve hours.

At home I found all my belongings, old and young in the

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most perfect health. and everything going on in quiet & I had been away. I thought to have had more time in Arizona! Why will you hurry me so? I have hardly yet looked at my herbarium. so I can but talk to you. Curtiss sends a Fungus from South Carolina Mountains, which Ellis has called a new species — I have not yet read his letter — but to me (no time yet for analysis) it looks like a very large coned and broad leaved T. Canadensis: falling a purely local Fungus. founded on the entire specimens

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cannot be made into a specimen — But you shall see it when you get back.

I hope to hear soon that you have not been lost again. That you have got the wood specimen of J. Trilyeni; that you have gone to Mendicino. and

this covered those old sorts of things. If you see those dirt forgot the wood specimen of Chitonakai; & if you are in San Diego. that J. P. Tonseyeni.

It seems funny since we parted in that black hole

in the Falls. cause the whole

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Summer journey is now so far in the past that all the discomforts & mistakes have vanished from memory only leaving the other perception of all that was pleasant and beautiful and "instructive". Now if you had not always been in such a hurry what a success it would have been!

"Love to Charley" What of the great J.G.L., has he from you P. Obnoxia yet?

He has (of course you will say) had always faithfully

C. S. Sargent

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Rec'd Fr. 17 Nov
Ans 2 Dec

[7—155.]

TENTH CENSUS
OF THE
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Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., November, 1886

Dear Dr Engelmann,

I have been away for a week this time to New York and Philadelphia and with my wife who after her long, hot summer of asphyxiating needed a little change of air and scene.

Returning last night I found your two letters & the box of specimens. Also the copy of "Bergen Expedition". Many thanks for all. & Bravo! So after all you have gone to San Diego! Just I was with you! Of course you will get P. Torreyanus (Lond. Comp. v.) and find out all about those Southern oaks! Just in N.Y. to see Torrey's specimens, but his herbarium has all been rolled in packages & put away into ~~the attics~~ of sight in the hope that some time a better building might be put up by some one

to contain it. Not very satisfactory!

As we found P. ponderosa & P. Jeffreyi both north & south of the Yosemite without intermediate forms. Muir must substantiate his statement by specimens before I shall feel satisfied to put them together again. I know his species in Sequoia — his statement in regard to the extent of these forests does not agree with what we were told on the spot by the men, who were with us, and who seemed to know what they spoke. Lemmon sends a bit of A. Concolor from Mt Graham, the southern station of the species as known to me. He writes that he finds in the mountains about everything ~~with~~ we found further south in the Sierra Nevada. But I hope you will leave S. F. without having seen his specimens, as I feel doubtful about them.

And that Cupressus for Arizona? What is the world is it doing there, and where

have every bodies eyes been all these years?
Too bad! It is a delicate matter making
a new theme of Cupressus into Mexico
so near. It must be investigated. Sam
gets "dendrologic" on stigmas. and Sam going
to propose to Watson to pass the winter there
and in California. This partly is the
interest of the Newyork. Museum of Nat
History. for which Stone agreed to get up
a collection of North American woods and
forest products. & New York bankers. furnishing
the money. and having me the entire control.
I think fellow you & Francis remarks in
reference to the Oregon trip. but when you
get home. we will go with them in Earnest.
Lemmon L. barbata on the summit of
Mt Graham. in Sculpter. L. undulata.
but other Kinds... I have seen no plain
form since I got home. my mountains

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to Mrs Sargent do so gross — So Stan uncomfortable.

Could you drop a line to her & deliver a lecture on this subject. The Bot. Col is not strong in in Spain.

I must write much as Stan you may not receive this before you leave for home.

Regards to Mrs. Asa Gray.

C S Sargent

What is Lemmon's "Forest" for but Jackson.

What is Mrs Alaska Juniper —

Chamaecyparis ??

What are the large purple grapes out here for California — women bites Tokay — ? Every one asks.

Watson is about working Trelease Trelease.

Mrs.

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Rec by way of San Francisco Nov 30th

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., November 12 1880

Dear Doctor,

Thank you letter from San Diego. What a fine time you have having with your Jaguars & Panthers and that poor Puma. What a pity you have such a sad tale to tell!

It's days are, I suppose, numbered.

What you are having such a wonderful time. Nothing all night in a 'back-board' in the fog yet. I am settling here

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bothered to death by all sorts
of people & things - People
who want me to do things
for them I don't. & tell them
things I know nothing about.
to hunt newspapers or magazine
articles. or delivery lectures
about my travels. They seem
to think we have at least
discovered the north-west
passage. & as the countries
we have visited contain nothing
more than Cooleys Thos
Mpaches - Well I guess

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at last glad that you

have "dissolved" with Vineyards

for the year at least.

Shall just send a telegram

for Watson on his return

from the Blue Mts to Walla-

Walla. As he has to leave

at once for San Francisco

I fear that you may miss it.

There is nothing new

here. or any where else so far

as I know.

Yours always.

C. S. Sargent

(over)

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Schultz. telegraphs from Portland his return there.

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Ans (by way of S. Francisco) Dec 5
Ans Dec 7

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Nov 16 1880

My dear Doctor,

I have just received your note of the 4th not for Sun day. – but want yet the specimens. Many thanks. –

Have you or can you learn any thing of either "Oidemostoma Sparsifolium" ~~parviflora~~ or Dalea arborescens

Probably both of these are really small trees, but who knows. or has seen them for a generation?

They should be hunted up

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again —

Should it turn out that Watson does not care to remain away longer from Cambridge, Schell, & Sheldon get Pringle to go out there hunting to open business. & Virginia, and let him return next summer through California. I wish to study the distribution of Virginia shrubs, and at the same time make the collection for the New York Museum. — Yours I

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hard to make a good thing;
but it will be difficult
to get the right business
to make the collections.

Certainly there is no one
among the Californians who
can do the matter with half as much
Jno Kellogg alone (or else) they
disgust me with nothing but
obstinacy.

I have also spoken to
Mr. Sophers, I shall have
to run out to Saint Louis

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then write and talk matters over with you. For me in this green-silk dressing-gown of yours nothing will be able to move you against this winter: especially towards a land filled with lectures and informal Republicans — Annual Sums of a still more venal party.

Ever yours,

C. S. Sargent

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Rec^d Nov 27 1880
— 28

How will it if you
can't Dr Trail letter
[illegible] ?

November 24.

My dear Doctor,

I have your note of the 10th inst
and send a line to welcome
you back to your home.

I hope it will find you there
safe and well. Although you will
hardly be bothering with that
miserable opportunity still in
your mind.

Yes — unpleasant and
even far worse things come

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to us all. To day we have
been to Providence to the funeral
of one of our very best friends,
a naval officer who died
there suddenly of pneumonia.
A little more than a week
ago he was here in perfect
health, and now he is
buried! So goes the world.

There is a little confusion
letter from Porter. When
there studies it a little
more Lucie. Good night

along. He sends a list of the true Amoebiae, but says he did not see in Shasta Dempsey's nobilis at all, & wants to know what he did see there!!! He sends lists of what he calls Nebulis & magnifica but both from young & very vigorous plants, & neither characteristic. Generally he seems badly mixed. The matter from young is in Spain. These matters

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from him direct.

That was the gentleman I have
say you have met) for S. F.
that he cant go to Oregon.
must come East.

I shall probably cross Pangh.
in that case he must
go in St Louis. to get
your instructions in regard
to the lists: that I shall be
will attract Pangh.

Let me know when you get
home.

Yours,
C. S. Sargent

Pharis Pang?

Missouri Botanical Garden
George Engelmann Papers

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Missouri Botanical Garden

Rec Dec 6
Ans Dec 7

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., December 2d 1880

Dear Dr Engelmann.

I am delighted to know that you are at home again, and well and happy. I am sure the Herbarium work has done you good, and that we have nothing but pleasant recollections to look back on.

I owe you $10.00 for the Pecan publication, and U. S. Uniontia nights $6.00 since the Autumn & St Louis work. I enclose my check for

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$46.00 — The enclosed receipts please sign & return some time or other. We still have an additional to make on the Pittsburg photographs. When shall I pay Schultz. How much he paid out —

You are wrong about the Gardener Chronicle there was a good Editorial about A. Smalter's wife which the substance of your letter has written. If you remember you sent a postal copy to Martin asking him not to publish the photograph until

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we sent him the photograph of

the Jimson that the time

might be contracted. Have you

ever seen it. I, in the station

you to say that you knew?

I send you to day a bit

of Curtiss' new Pinelands

from South Carolina that you

may confirm (if possible) my

ideas in regard to it. I have

not yet decided what to be

P. stellata from the Black

Hills. Imagine from it there

together with P. albicaulis & P.

ponderosa a long time 3-5

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fast disappearing. When is this, and what is it doing there?

Very busy with work again

being done.

Send some copies of our

S. F. photographs to Brooklyn

& an other to Investors so that

if the latter the Lords can

see what Lunacre Young men

we are to. If we really

them up.

Yours ever truly.

C. S. S.

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GEORGE ENGELMANN PAPERS

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Ans Dec 5
ans same day

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., Dec. 4/12 1880

Dr. Geo. Engelmann.

Dear Sir.

I forwarded to day at Mr. Sargent's request the specimens of his "Gate Oaks" which I made for this purpose this summer and fall. You will find also a plan to show the position of the trees that may serve to recall them to your mind.

We have a set here so that any notes regarding them may

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Lemuau

Very Rightly Yours

John Robinson

Herb. Aut.

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be made by using the numbers.

Two days ago I also sent you some specimens of a Lurcus from Mr. Douglas & ~~an Abies~~ a Tsuga from Mr. Curtis, we have but small specimens at the herbarium so they are not so good as I know you would desire. Trusting that the specimens, and labels which were also enclosed in the larger package, have arrived in safety

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Rec'd Dec 9th 1880
Ans same day

Dec 5

Dear Doctor,

I have waited for to day already Watkin's letter that I have answered. as but I could. I have asked him to send us some after Cross that he considers intermediate between P. pondense & P. Jeffreysii. I am more than ever satisfied that we saw some such. I can't make out

Mr. Bradford wishes to see the rest of the day. Can you let him do so?

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at all what he thinks he saw
in Mt Shasta. If it was
not the wolves of Douglas.
Just James see my
way clear to get off again
(you see I am already tired
of the ease of home life) then
hunter and see something
more of those Southern Oregon
Mts. and more especially
the fourth Pitter 35 parallel
& the Iron Mountain Mts &c
home by the way of Southern
Utah. & Salt Lake City. But a

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is not of the question & there
for more to do at home. then
I can possibly manage for a
long time to come. But I might
have seen more before I came
home the last time!

Stone Pungo will get off
in February. if he stops

2. It seems to see you. perhaps
the temptation to go along with
him will be stronger than
you will be able to resist.

We have had a great deal
of snow. and some very
cold weather. but today there

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is a barren waste from the south.

& I dare say we shall have a month of often weather yet!

But often I think of that first moment, when we reached the Cabin in Tahoma Inlet.' Shall you ever forget it? It was glorious, was it not the one supreme moment of the whole summer.

Just you would come & pass the winter with me. Just give you all the room you can possibly want to spread out' when then you could regulate my business that is still in your power

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GEORGE ENGELMANN PAPERS

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Ac Dec 9
Ans — Dy

[7—155.]

TENTH CENSUS
OF THE
UNITED STATES.

Tree Covering; Forest Wealth; the Lumbering Industry.

CHAS. S. SARGENT,
Expert and Special Agt.

Hough

Department of the Interior,

CENSUS OFFICE,

Brookline, Mass., Dec. 6th, 1880

Dr. Geo. Engelmann,
St. Louis,
Missouri.

My Dear Dr. Engelmann,

The following list comprises all the small wood specimens received from you since we separated in San Francisco.

Ceanothus, Auburn.
Lupinus Chamissonis.
Ephedra California.
Isomeris arborea.
Hymenoclea
Baccris Emoryii
Dendromecan.

} San Diego.

You remember that with the exception of the Yuccas you still have all the Arizona seeds

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which we collected south of Tucson.

In due time my share will come along I suppose.

I mail you to day Hooker's garden specimens of Abies and your cones of A. grandis, which Collier brought when he joined us in the cars at Eugene City

Yours very truly,

C. S. Sargent.

Special Agent.

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Rec Dec 16
Ans O.C.

ARNOLD ARBORETUM, HARVARD UNIVERSITY,

DIRECTOR'S OFFICE,

Brookline, Mass., December, 13th, 1880

My Dear Dr. Engelmann,

I have your note of the 8th. inst, and hasten, as usual, to take your advice. This time as to an amanuensis.

I find that with the exception of two sets all the photographs of the Oregon Spruces have been distributed. So perhaps you can send to Dr. Masters.

Stomach all right now, but as you suggest Christmas is a day

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genous time.

Yours very truly,

C. S. Sargent.

Dr. Engelmann,

St. Louis, Mo.

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Rec Dec 17th 1880
Ans — 27

Botany Cent?
Jungle vegetation

December 13:

Dear Doctor.

Sent you a line this morning, and now yours of the 9th has come in — I answer it myself as my unhappy stenographer has to sleep at night occasionally.

Yes the specimen of Pinus Jeffreyi came all right, and is fine. The list I sent only included your wood specimens from San Diego — When I deliver these lectures

You: I have at last begun to clean up my blunders

Sorry I wrote so soon after I received your letter.

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Will begin at St Louis, of
course, but you need not
yet engage the hall.

But it may be some time first
perhaps you had better do
it. write out the articles
as well for the Magazine.

I feel very well now, and
am gradually getting settled
down to work. I think I shall
get a dozen lessons, and ride
every day for a month or two.

Just to exercise always again
with me better than any
other. and Ex Eucaro Iunct

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have or may have will play
the devil with me.

Just see telegraph that he
wants to have for home on
Friday next. but that he
is not of money — as usual.

Please telegraph him $200.
so Gerhardt he will be at home
on X mas day.

It takes all my spare
cash to keep these wanderers
going. but Gerhardt it is all
right. always in the case
of Vesey. it will be a long time
before I see my money again.

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the idea of Combining at
the loss of few hours against our
other hours! You must
indeed be badly demoralized!
You were so taken up with
Cacti that I dont suppose
you saw anything of Prunus
~~Capuchin~~
Serotina in the desert east
of San Bernardino! I want to
know more of it.

Gray is back in Paris, having
as usual hurried & got things
with Spain earlier than he had
intended. Torrey goes thus south
to Bermuda. to hunt algæ.
Perhaps the sickness may interest

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[7—037.]
Tenth Census
of the
United States.

Rec Dec 18
Ans — 27
Highgate Co Ark
Cath number 91

Department of the Interior,

CENSUS OFFICE,

Washington, D. C., December 15th, 1880.

Dr. George Engelmann,

#3003. Locust Street,

St. Louis, Mo.

My Dear Dr. Engelmann,

I sent you to day three specimens of Pines. Number 1. was collected by Curtiss near Chatthoochee. He calls it Pinus glabra but I cannot distinguish it from Pinus mitis which grows in the same locality and of which I also send a specimen No. 2.

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No. 3. in the same package Curtiss calls *Pinus Taeda*, but why is it not rather *Pinus Elliottii*?

~~This is Curtiss' note which accompanies it.~~

Please devote "five minutes" to this

How will our photographs look in the "Gardeners' Chronicle" which came this morning and what a pity we did not have more photographs taken while we were about it!

You do not say how you like your labels. I suppose you found them in one of the packages.

Palmer says that he sent you "*Yucca macrocarpa*" two or three years ago!!

Yours very truly,

C. S. Sargent

~~Special Agent~~

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Rec Dec 24
An — 27

[7—037.]

Tenth Census
of the
United States.

Department of the Interior,

CENSUS OFFICE,

Washington, D. C., December 21st., *1880.*

Dr. Geo. Engelmann,
St. Louis,
Missouri.

My Dear Dr. Engelmann,

I have your postal card. Is there not some mistake in the number of the photographs of Abies which you have?

I handed you, in San Francisco, probably six or certainly five sets. I will, however, send subalpina and grandis to Dr. Masters as you request. Will you write him on this subject?

I have such a small supply of good seeds of Yucca macrocarpa (yes, macrocarpa by all means) that I wish, if you have more than you can use, you would send me some for distribution among European correspondents.

Yours very truly,
C. S. Sargent

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