Rec Jan 24 '78
Ans — 27

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

Jan 24 187 8

I find our letter from you dated ~~Dec. 15.~~ +

the box announced by your letter of 16th inst is not yet in.

Thanks for Jones pers Calif. plants. We dare nothing like them. Ours must be Mitchells f. andina

+ I remember a letter of yours in which you announced that the Abies Menziesii of Oregon &c is another species than the Colorado one! Is that the one.

Sta Lucia Mts. should be readed from Sta Barbara. Nobody but Miss Plummer and Lt Lemmon — who

adress Miss P. and Dr.
Monterey & P. insignis —
(also Intermediate & muricata
Dr Anderson of St. Cruz
with permit facilities. can
reach any day he pleases.

My last Sample. pines
is in printers hands, &
the Acanthaceae ready
for him.

Now I close a week —
or to Washington — to —
morrow — shall stop &
see Canby — on
returning.

Did Mrs. Engelmann
get packing Mrs. Gray
sent, about Xmas, —
and a letter.

I go to N. alone. —
Ever Yours Asa Gray

Rec Feb 5th
Ans — 7

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

Feb. 2. 187 8

Dear Emerson.

But came while I was away at Washington — all right. I presume. Mr. Watson took care of it.

Hayden has promised to send you a copy of the enlarged photograph of our Lakota camp. — to present to the St. Louis ~~Acad~~ Historical Academy. So I will not send that now to Concord!

I was nicely at W. — had a day with Cawley & a night with the Rathbones — but took a bad cold in the journey homeward — or in a wet day at W. —

Many thanks for the [illegible] rectifications — most of which, at some

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GEORGE ENGELMANN PAPERS

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of Boston — I can put
right.

In haste

Yours

A. Gray

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Rec Jan 14
Ans — 16

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

Jan 11 1878

Dear Sir

You are doubtless right. And I should have seen them in California. The pits I found are from Mt. Stanford

same as Lemmon

A. Gray

Lemmon 300 years old
3 feet diameter

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3 " = 10 years

1/2 " = 5

1 " = 20 yrs

1/10 " = 240 years

3 720

Rec Feb 15

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

HERBARIUM OF HARVARD UNIVERSITY,
BOTANIC GARDEN, CAMBRIDGE, MASS.

Feb. 11. 1878

Thanks, dear E. for these Abies papers, congratulations on your healthy and hearty Mass-sons — & hers — & hopes that "by reason of strength" you may reach your four-score with out — more "labor & sorrow" is good.

Mrs. Murray is dead. I never knew her. You write Middle of Feb. you write "Dr. Gray" — the only slip I perceive.

Well. I see you have — what I saw in Utah Mts — a fallacious Abies subalpina! And as to your last lines, did I not write you. that Starker & I saw, Cones with the pubis bracts, which seem, & subjuncana at in Kern Co!

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And Mrs afterwards confirmed it.

So your supplication — distinction fails — and there is nothing but the facts to hang to — and a manner margin to think. State we have our politics & Charles with the very short hacks of magnificence.

I caught a cold coming home from Martinsburg — because they could not keep a palace car warm. — have missed it — but kept busy all but one day, — and I am well.

Yours

A. Gray

Rec Febr 27th

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

Feb. 24 1878

My Dear Engelmann

I can't lay hands on your last letter, I suppose Nature may have it.

But I should have acknowledged & thanked you for the parcel sent by Jackson. Ashy, it lay for days in Boston - and I really got it only 3 days ago.

Well, the specimens are all pinned and ready to be laid out for study — I am delighted with them — especially with the Carex's How nice & complete!

ENGELMANN HERBERT BOTANICAL GARDEN

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GEORGE ENGELMANN PAPERS

GEORGE ENGELMANN PAPERS

Was Dr. Snyder
sent you yet that
pic. photo of Camp
in La Veta Pass?
Let me know if he has
not, & I will stir him up.

Mrs. Bray — sends her
best love to Mrs. Engelmann,
and is greatly delighted for
her letter, — a long &
nice one — a treat to
get.

Writing goes slowly
just now. I am revising
Solidago MSS. — just
one Hedeoma. Don't
want printer to begin on
Solidago till I have reached
the end, or nearly. It is the
penultimate order — an
Plantaginaceae left.

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Candy is to be here
on Wednesday 27th —
for a few days —
Wright — is here — for a
Months' work on her
[illegible] Herbarium —

Yours ever

Asa Gray

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GEORGE ENGELMANN PAPERS

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Rec April 2d 1879
Ans —— 8

BOTANIC GARDEN, CAMBRIDGE, MASS.

March 30

My Dear Engelmann.

It is long since we have heard from you, and at the last news George was suffering from erysipelas.

We are anxious to know how he, and how you, are getting on. We do from the bottom of our hearts hope that this was only a transient trouble, & that he is to be whole and firm again soon. And you too, my dear old friend, how are you?

We need hear.

Ever yrs
A. Gray

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BOTANIC GARDEN, CAMBRIDGE, MASS.

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Rec Apr 23
Ans — 29

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

April 20 1878

My Dear E.

This is 17 in.

I have no comfort in Pycnanthemum; which is very-very a bitter.

Fortunately I can send you P. muticum. I put a specimen in your pressing-book.

I will about 4th May (30th anniversary of our marriage) be ready to send you 1st part of Flora, which you will have to pay for — as I can't get a publisher to undertake

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the about 24 or dollars
I have paid out — or
have to pay myself —
and I must bleed —
all the Botanists —
Then on other things
to send — you. So
let me know if you
want — any or our work.
Coniferæ — to use when
you (some) will be
at Home by Jul. Early;
It is better to send
all at once —,

Lastly, early Spring here
also.

Ever Yours

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

A. Gray

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Rec May 22

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

May 20 187 8

Dear Dr.

I am just back from the sad ~~duty~~ duty at Washington. Dear Dr Henry,

That enlarged photo= graph. is for you, to be left for Your St. Louis Academy of Sciences, if it gets over a home — or for Autres Botanicus Missouriensis. as you elect, ~~elect~~.

Glad you relish it.

Yours

I have long had Rupliana. but dared & supposed to be ruby & punctata,

Yes, Sisyrinchium albidum came well, & turned over to Sargent

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GEORGE ENGELMANN PAPERS
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I am at present ed. of the Structural Botany, as a kind of ad interim arrt.

Yours very

A Gray

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GEORGE ENGELMANN PAPERS

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Rec July 5
Ans 7

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

Contributions

July 1 187 8

My Dear Sir

Yours of — have this morning. Commencement & its associate days — Dawson & Mustard & daughter here with us — till this morning — much time lost.

— I'll briefly touch your points.

"Abies bracteata" Hook & Arn. I took it from Parlatore in DC. — Parlatore (Hook. Icones. as usual no, Nuttall Sylvia 1249 I find in Bot. Mag. 1853, t. 4746. "Abies bracteata" & then quoted "Abies bracteata" Hook. Icon. But Beech. "Pinus bracteata" Lindl. Veg. 394." That may be the 1st name it has as Abies It is pretty well described as "Pinus Venusta." by Douglas.

"Pinus tuberculata. Gordon." Well, I took it for granted you had that all right — I had nothing to say.

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"Pinus Californiana." It is in
that form in Lambert. Mr. Durham,
— the date of that vol. is, as I
have given you,* ~~the 1st~~

It does say "Cone cone
— not "pinea — like seeds" —
but cone ½ larger than P.
monticola & like it — & Cembra — like
seeds. If I remember — You
have the extract
Therefore our Coulteri — one
about it. Now do I believe that
any French vessel, stopping there
could have got hold of Coulteri.
But you may ask McCaine
to look for the cone.

It is because of so much
muddle since that I would
like to see P. Californiana
come up. But really, it's
not sufficiently published.

---

*The 1st & 2nd vols are probably
1813 — no date in my copy — proper city
— & not by Lieselem.

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BOTANIC GARDEN, CAMBRIDGE, MASS.
RARERS
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Mill. — on the whole then
you must make the blue-
spruce P. Sitchensis — var.
Parryi. If species (???)
then P. Parryi. But they
have called the blue one
in England P. Parryana — is all
in favour of it. You can take
the form Parryana if you
choose.

Mr. Coult says St. Louis is
beastly two long — & but journey
at sick!

Mr. Wood in Manual (Systematic by S. E.) about three
bulbs.!!

I'll diagram. & see
if ours has it.

Ever Yrs

A Gray

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GEORGE ENGELMANN PAPERS

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GEORGE ENGELMANN PAPERS

Rec'd La Salle Sept 17

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

Sept. 6 1874

Dear E,

Very sorry I neglected you — had no idea you were going to St. L. to meeting — have been holidaying — working, &c — and busy now end.

I will write as soon as you get home.

Tell me if I shall send you anything except all pines or Pinus Banksiana

Banksiana. Am out-&-suits — tired — & crowded to-night.

Sorry for your rheumatics!

Your meeting better than I thought possible!

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Missouri Botanical Garden
George Engelmann Papers

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GEORGE ENGELMANN PAPERS

Poor Goodale is dead
dead — Dysentery. He &
wife travelling in Lower
Canada.

In and Dr. A. the
Mus. Naturalist. a ~~Prof~~
pupil of mine anticipated
you about stomata in
Silphium laciniatum —
Some one since ~~Lewis~~
Lewis. Lib & Com=
mittee. about vertical
leaves.

Dirt be heard on
yours ever.

A. Gray

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Rec Nov 16th
Ans — 26

HERBARIUM OF HARVARD UNIVERSITY,
BOTANIC GARDEN, CAMBRIDGE, MASS.

Nov. 13 1878

My Dear Engelmann

We are very sorry indeed to hear of your illness, and had no idea of it. I hope we may hear you are recuperating well.

You see, dear old friend, you should not go out on wet evenings. nor wet days either. Stay in doors, and keep to the patients, nurse yourself, and work at botany and all will go well, and you will have more comfort of your life and more of it, by many a day. I am glad to hear it is only rheumatism & not pneumonia or such.

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To give you proper information about Quercus coccinea, Muenchh. I will get Morgenheim from the Coll. Library, copy out all, & trace the figure — if you say so — after you have done the Pines for Watson.

I have given 2 days to Providence — perhaps wasted one, in attending the contested probate in Pow Owen's will: which give to Canby & me, in trust for use in Rhode Island, a large share of his property, decision of the judge not yet rendered.

Instead of Mitchella I am deep in a new — & long wanted edition of my Structural Bot= any, — shall hardly get through it, by March 1st. Then the rest of the Committee — who have to do it have failed & put it on to me to write a Memorial of Pope Henry for the next Smithsonian Report. Then Hooker has as yet sent very little towards our Report for Hayden, and I shall have most of that to —

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN

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Dr. — I caved almost wish to be laid up with rheuma= tism! You will say, better — not.

Mrs. Harry & Mary — that daughter are still here, the two other daughters at a neigh= bors close by.

I will stir up Hooker about the Bradenia & Zygia yung ones.

Shortia is rediscovered — after 100 years — & by an accidental picking up by an herb-gatherer's boy!

I have dissected flowers & completed the character. I send account of it all to Decaisne

My wife sends her regards & sympathy — to you & Madame — with mine. Please take the

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best of care of yourself,
& be taken care of — &
don't go out after patients,
but stick to Botany — & Be
good and you will be
happy!

Always

Asa Gray

Rec Nov 23
Ans — 26

Nova Scotia Botanist
for German ambrg.

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

Nov. 20 1874

My Dear E.

I am glad to hear — by your letter to Sargent — that you are getting better. I hope you may be quite well soon.

Now that you are shut up, you can help me a little about Coniferous structure

I apprehend, & want to adopt Steudel's view of founder flowers — which Richter gives in to. But tells me how it proceeds. Cupressus, Thuja etc, Do you assume an inner verticum scale (2 bracteoles

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2 - Phyllons - y a Dean=
Day axis - chilly ad=
herent to fra of the
Exact - scale pay in
Thuya ?

I ought to know —
but can't just
make out

On the 18th —
had my 68th birth_day. in good
health and fair preser=
vation.

Ever Yours

Asa Gray

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GEORGE ENGELMANN PAPERS

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Rec Dec 24
a — 27

HERBARIUM OF HARVARD UNIVERSITY,

BOTANIC GARDEN, CAMBRIDGE, MASS.

Dec, 20 1878

My Dear Engelmann.

Replying, you can take your choice, if you have to put Abies Balsamea into an=other genus. The ci- & the ana- ble is only a convenient — thing & not a law and, unless with strong reasons the earliest — form should be kept up.

So you will keep Tsuga as a genus. — as indeed you must if you keep Abies & Picea I suppose.

But as Tsuga's chief character was its pollen; - now do you like a species of it having a peculiar Abies & Pinus pollen.

As to Abietineæ & Cupres=sineæ, I should say, they they run together, are not so distinct as I thought.

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Taxinea is a subindex, or
order. If you please
But Taxodineæ spoil
Cupressineæ
More over I am at the point
of following Strasburger & Richter
(Have you his Histiologie?) in the opinion that the
scale of Cypress is compound.—
~~that~~
But even if it is not—
and it is hard to make out—
your idea — your Juniperus—
is not in the way.
We dont suppose the abutin
of any scale outside of the
Juniper scale that leans to
the ovules — or rather has the
ovules in its axil. There are
of the same order as the scales
~~of the~~ of the axis below.
But they are put — ovuliferous;
the more ovules in their axils
just as this has a distinctness
scale. In Juniper the
ovules are all that develops
of the carpophylls. I think
that was Braun's view, —

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On the whole I think it is the probable view.

— As to Cupressus, compare a young female catkin of C. macrocarpa with the cone. And I think you will say that you discern the bracteal in the cone (see one on cloud, marking the bisal part only of the peltate bracts.

If you had worked up your details of Juniperus as fully as you have of J. Californica. I would put them into my Structural Botany — Perhaps I may put it. I should like to follow the stages of fructification of Juniperus & Cupressus.

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I have had a bad
attack to do—
—have to write for the
Smithsonian a memorial
of Sterling — Just my
luck of having all the
work to do.
Thanks for Xmas
greetings — And may
write & I send Merry
Christmas to you all,
with hopes you may be
on your legs again. Xmas
to dance around the Christ=
mas tree.

And may happy
the Carrolls,

Yours ever

A. Gray