Address Dr. G. E. 40 South 5th Str. St Louis Mo

St Louis March 26 1866

Dr Engelmann

Dear Doctor

Thanks for your pleasant note of March 19th. That 8th of January was remarkable on acct of the unusually high stage of the Barometer. I have in 30 years not seen it so high. And the rise occurred at the same time all over the U.S. about 9 a.m. But the intense cold prevailed only eastward, not here.

			Att	Fre	
Jan 7th	7 a.m	30.100	51	27.5	NW 3
	2 p.m	30.230	54	22.5	NW 3
	9 p.m	30.335	44	26.0	NW 2
8th	7 a.m	30.530	54	19.0	E 2
	2 p.m	30.490	44	28.0	E 2
	9 p.m	30.460	47	23.0	E 2

At 8th 9 a.m Bar. 30.510 at 32°.

What was that "Hooped Cannon Speech" of Gray's? I have only a faint recollection of it — Where held, where published? O no, it would not do to joke anyone least of all our friend Gray, since he might have been really ridiculous.

I shall publish a Jurassic paper in our Transactions, & new and important known species only.

Why do you not send your Junior along

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to have them done up in the most approved style? And your Nephews?

A coloured figure of the latter I can not give because the dry specimen does not afford the necessary information nor are your notes full enough.

Gen. Pope is going to make a tour through the western parts of his district as far as Colorado & Montana if not also to Utah — and offers to a naturalist free travel, rations etc and will expect no other return than the "honor" of furthering science. — What say you? Or go to Europe?

I intend publishing a Herb. Americanum normale, if I can get help enough. Could you assist with one or two species, and with which?

I hope you will stumble on some new Quercus as did Mr C E Smith of Philadelphia last year in wading in a swamp on the Mtns of Pennsylvania, while waiting for a Rail Road train and picking a new species! — He is a R.R. President and zealous botanist. He has just turned up — at least in my horizon.

Fendler is back here and Horace Mann jun has his place as Curator at Cambridge. —

Thanks for your invitation. If the Cholera do not come here, I do not know that I might not do next season. I am threatening to leave St Louis at least for a month.

Very truly yours

G. Engelmann

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Shiloh Apl 10 1866

Dear Perry

a week ago I got your of March 26. Gen Pope, I learn had left here for Cincinnati, but through the friend who communicated his offer, I send him word of your readiness to accompany him under certain conditions. No answer has yet been received. Whether Gen Pope is now more reliable than he used to be when a young lieutenant I do not know — but "entre nous" they say that then he had the sobriquet "Lying Pope". We will see. A very good and scientifically disposed man Col Meline of his staff will accompany him — Any of those Mississippi Eagles yet living?

I hear nothing of Gray.

When Jones will soon see the light of day, when I will shake off the matted things altogether.

Yours truly

J. Engelmann

The bridge was — tion.

over

Well sent the other day quite a lot of living Rocky Mtn plants, divided by him — most of them I gave to Shaw. Some fine things, and showy Pentstemons.

Are you unredeemed black yet in Davenport? I see that your neighbor city Rock Island begins to see the error of its ways, and voted Democratic.

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St Louis May 9 1866

Dear Prof Parry,

I do not know, how I came to address you as Professor, — but I hasten to scratch it out again! Gen Pope has just returned and is preparing for his trip — but there is no chance for you. I am sorry that I had been led away to offer you a situation, which is not vacant or rather not existing; I do not know whether Genl Pope himself humbugged others or whether the mediators, the go between, humbugged me! Genl Pope says now to the same person and through him to me and through me to you, that he has no authority to employ any one or furnish transportation etc; and more over, that he will be travelling so fast 30 miles a day, that there will be little chance for a naturalist to do any thing. So you see, and you especially must try to ease down. He will leave here about the 20th

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Your letter of Apl 19 came in due time.

About that Rail Road survey? Why, you astonish me! Of course, we are right and they wrong! — You recollect how on a small distance Surveys & Barometer in Mountains agreed; also, how well other barometrical measurements and your different ones of different years agreed; moreover levelling for many hundred miles is much more liable to error than the Barometer.

From the elevation of North of Platte, Omaha and Council Bluffs I should judge that Fort Kearny is pretty correctly given as 579 feet above the Mississippi at St Louis. I would have judged it something like 600 feet, and this result as to Denver would be about 550 feet short!

Probably too late now for Miss Engelmann.

Yes I am radical in Politics too, not only in Botany; but I understand something else under that word, than those wordy screamers. I hope their Radicalism will die out in Iowa as well as in Illinois; we have had a good beginning in Illinois.

Anything about that Southern Collection of Plants, you spoke of last fall? Where is it? Whose was it?

What your plans?

Write soon again.

I am painting my pictures and will soon be through. Should like to see you. Will send at soon as out.

Yours ever

J. Engelmann.

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Dr Engelmann

St Louis 22 June 1886

My dear Parry

I have so many letters to acknowledge that I have deferred beginning for an indefinite length of time. I must at last write, for I want you to collect also some specimens of Juncus for the Hub Nomenclature — wherever it may be — on J. effusus if you can not do better — or J. nodosus: 100 good complete specimens in flower, and fruiting culms or panicles to show capsule & seed.

It is a shame that you have not sent me your Juncus!

Amy Lapham's receiving a few days ago 5 fine S. palustris (Lowe's) from you willed to St Peter's, a new locality for me — the most western one.

I am just done with J. Canadensis and have only to complete the California Carpholis — & then I shall be ready for some other peak in or on all it — or leap — probably back into the pines.

Looking at an old letter of yours, I find that you speak of Gray's debouche your 18th plants — has he done it

Get Lindley's letter & from Thalia & Lawrence — & have a nice chat too.

You also spoke a month ago of ~~botanical~~ vegetation observations which you would send me. — Where are they?

You do get up a paper on the explorers of the Rocky Mts. botany — historical — critical etc. — I see that Brewer wants to do the same in regard to California Botany. Do it — it will be fine for our Transactions. I will assist you with data as much as I can.

No German explorer except Geyer 1843 — Prince of Neuwied also collected a few plants in the upper Missouri region, not in the Mountains.

I understand your indignation about Pope's tactics — I ought to have known better from the start, then to treat "lying John Pope" as some used to call him here.

About "that visit" I dont know — believe I can and shall not leave St Louis, but nurse my medical practice, and plot about Juncus, Calcitrate or Pines.

I have about a dozen more copies of your paper for you and also sketches of transactions you wish — how send? — Your bill will be $5.00.

So the "Southern Herbarium" sads in Snake! That Ginkgo biloba is another name for Salisburia adiantifolia, a serious Coniferous tree with plum like berries.

I was pleased with your botanical artist and his sketch. I return it.

It is very good as to the habit of the plant.

But it is evident, that he must study Botany, and especially the laws of ramification, axillary production, phyllotaxis, aestivation etc — without a knowledge of these no artist can draw well a plant. He must be botanist enough to distinguish the accidental from the essential and to pronounce this last often more than nature seems to do. — I hope he will continue and you will encourage and instruct him.

But before he draws from dried plants he must be first well skilled in living ones, so as to be able to replace the pressed and distorted parts in their natural position.

Schott has written me for Gingetary had not got my letter sent to Yucat

I am quite elated with your criticism or rather eulogy of my Juncus paper. Gray writes also sufficiently flattering, will have a notice in Sill. Journ.

I hope the field botanists will be starter now on Juncus and help us and help science along better than I can do. I am posting the balance of the paper now — will be out in July, they tell me. That curious 2-anthous Juncus sagittatus has now also turned up again through the indefatigable Bolander's exertions, but with a triandrous bottom — so that it must loose the place in my system; I call it now J. bifoliatus.

Vasey has left Ridgewood to my great regret — I hope — either as I am — to get pass him 100 J. Vaseyi on the line, or not pass from here, in Victoria, Westport Co Mo.

Write soon, especially when I can do not to do with the preparations for you — I will try to answer soon.

Yours, truly

G. Engelmann.

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Cook of Cape

Lower

magn. 10

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Leitch & Corlies

DRUGGISTS

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Missouri Botanical Garden
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St Louis July 21 1866

Dear Doctor

Whether these lines will reach you yet I do not know, but never mind, you will get them in time. George will be at your place about the 9th leave here as you suggest Tuesday or Wednesday; "camp" with you a few days, and if you have nothing better for him, go then up the river. If you can make out for him something else, so much better.

Enclosed I send you one fruit and a few seeds of Jerusalem Cherry, which, together with the sketch, will readily identify the plant.

It looks like a slender, rather compact J. Tennis; but fruit rather longer than calyx & darker than in Tennis. Seeds with

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St Louis July 31st /65

long tails; and when not in fruit, readily distinguished by the terete ~~than~~ lightly channeled leaves.

In haste yours

G. E

You have, I suppose, the exact locality of Vasey from Vasey himself and also the kind of soil it lives

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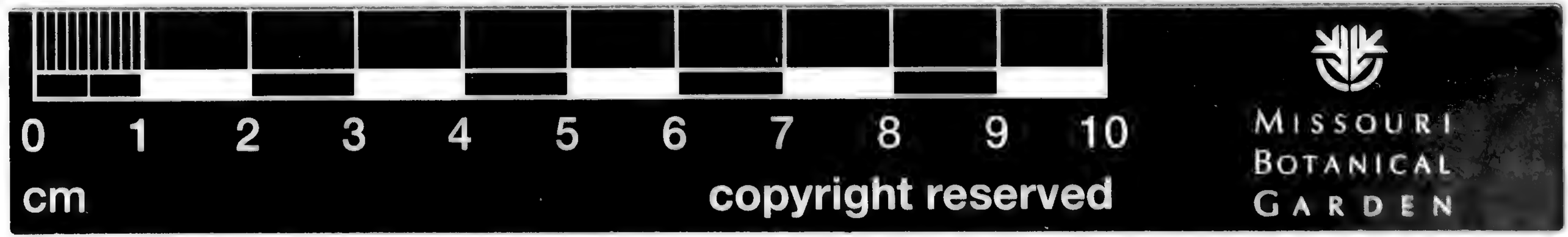
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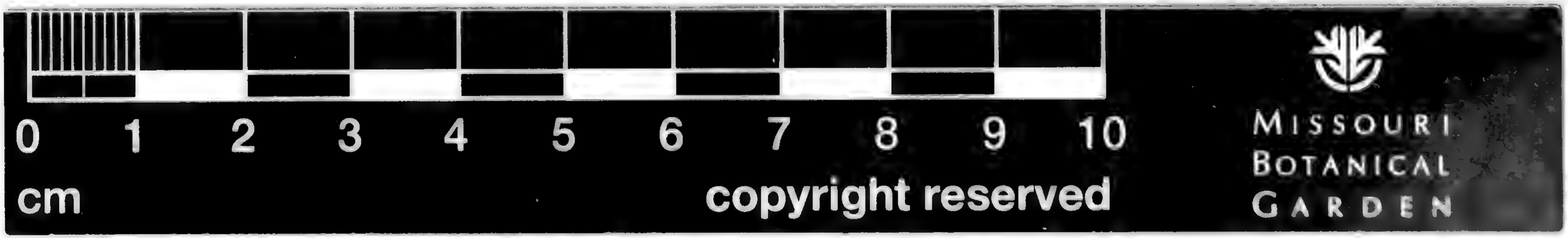

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ONE CENT

WRITE THE ADDRESS ON THIS SIDE—THE MESSAGE ON THE OTHER

G. C. Parry

Box 77

San Bernardino

Calif

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April 21

Those ♂ macrocarpa are a fraud! Just as Colorado is, you know! Not a grain of Pollen in the empty anthers!

I am now on another tack in regard to Quercus. The young, just unfolding leaves of many of the entire-leaved species are either flat from the earliest developement (and I believe G Chrysolepis belongs here) or they are folded or rolled back

The time for Quercus is coming, I suppose now. Got a letter and a very Ochrocentrus Wislizeni from Palmer — a few dead leaves and twigs with buds from Vancouver (Dawson) which confirm my Character of G. garryana. With the unfolding leaves!

J.E.

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Dr Engelmann

St Louis July 25 1860

Dear Parry

Yours of July 10th together with the contents has arrived safely — But you do not tell me what I am going to send you, how many copies of transactions or how many of the Journal paper.

We ought to have a specimen or two of your Pinus Engelmanni and I Jeffreyi if you have it to spare, also should you propagate yr Rubus rosifolius by layering & bending twigs into the earth, where they root and can next season be cut off from the parent plant.

Yes, Vasey moved south on account of his wife's health and then had the misfortune to loose her.

I am sorry for him, and sorry too that he has left that interesting region.

There are two things in the Journal line, which I want of him, above all there is Juncus Vaseyi, the original locality for which, he says, is plowed over, but which, I should think, can be found again, and the other is his Juncus nodosus with green heads in a

large panicle, which is intermediate between the true J. nodosus & the other variety. I do not know, whether he recollects the exact locality; but nobody else has found that form. — The other, late shore juncus, nodosus, Bullianus & alpinus have been gathered for me by that zealous friend Bigelow.

I wish you would go to Ringwood and hunt those things up, with the directions they might be able to give to you. —

I have an idea to send George, she is burning to go from here and see other parts of the country, to you, if you are going any where and saddle you with him; he may be my representative as I can not leave here; he is a poor representative though, as he has no taste for botany; he likes hunting and begins a little to study ornithology.

He might stay a few days with you always provided you consent and he be no bore to you — and he might go with you to Ringwood or any where else, if you should conclude to go. He will be a bore to you, rather an assistance if you instruct him.

I wish you would let me know at once your mind about this proposition, which, to be sure, taxes your friendship a little.

Bigelow continues to send Hepbar and we come to the conclusion that the new red Hepbar variegatum is only a variety of the old advena. All the apparently so striking characters are variable and I fear that this will reduce our N. polyspelum also to a variety.

Your artist must first draw and paint living plants before he attempts dried ones.

I write to day to Gray, she has not written for 2 months.

I see he has noticed my Juncus Sillim. found.

Let me hear from you at once.

Yours truly

J. Engelmann

over

I am in a quandary. I just get — a month too late — Lemuels J. pattersonii, a single flower or rather pl. bud — but it comes from Quincy Ilgres and is 6 — anthers! Can it be the plant I have taken for it; have to alter names etc.

I am getting Lemuels collections from different sides — is Mead's a few days ago — 6 months ago they would have been a help; now they are a bore — a. P. have nothing but the naming! — well, no matter — I walk you too! The naming is now a comparatively easy matter, as I am quite au fait with them now —

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3005 Locust St St Louis April 1st

Dear Parry

Yes, first of April! That Juniper from Provo has just come, but every one of the 20 or 25 berries I opened has a worm and no seed — first of April!

Yesterday the Abies concolor Engelm came — one package (you in P. card say two) no flowers. What do you have to say about that tree; describe it — it is Watson's A. amabilis — Carleton who saw Jeffrey's N Mex sp recognizes it as a good species. I should like to know more about it — Leaves covered with stomata on both sides — obtuse — I wish to trace it to California, half suspect that the short leaved new species of Yosemite etc (A. magnifica) is the same — but want to see the transition forms. Have never had good cones of my concolor — watch for it in fall

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it will be a good plant to sell.
I enclose leaves of the tree from the
big tree grove, Calif.: the short curved ones
are from fertile branches — the Californians
call it amabilis Dougl but I am
sure it never was seen by Douglas
on the Columbia nor is it cultivated
from his seeds now in England. Do
get it at Provo in the fall and tell
me all about it: bark, wood, growth,
etc. I cannot identify my conolor
with grandis

By the way the last day in December
you sent me "cones" and opening
the letter I got conolorlus seeds!
Some mistake.

The Junipers I have had
from Salt Lake before, and also
Nevada and now Arizona,
I thought it distinct and
provisionally named it Utahensis,
but it may prove a gorne

seed

of another, Californian, species.
Seeds large, one, rarely two. Get
also plenty of seeds of Juniperus
for sale — they are all new
to cultivation.

My best regards to Johann
Shall write soon again,
have no time now

Yours ever
J Engelmann

Write and send Sphaer!

When does that Juniperus Utahensis
(and others) ripen, how is the color
and consistency of the fruit? It
seems now full grown, but green
yet. Does it get purplish-glaucous
or blue black like communis and
Virginiana, when fully mature?
"more sun" ask! ask! ask!

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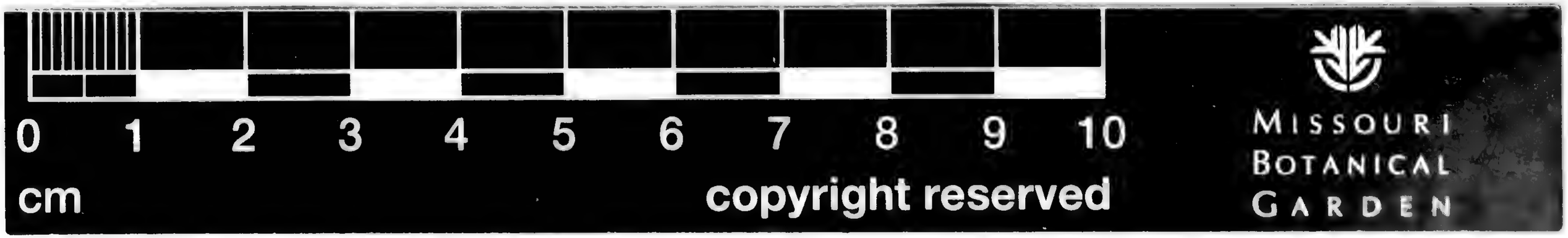
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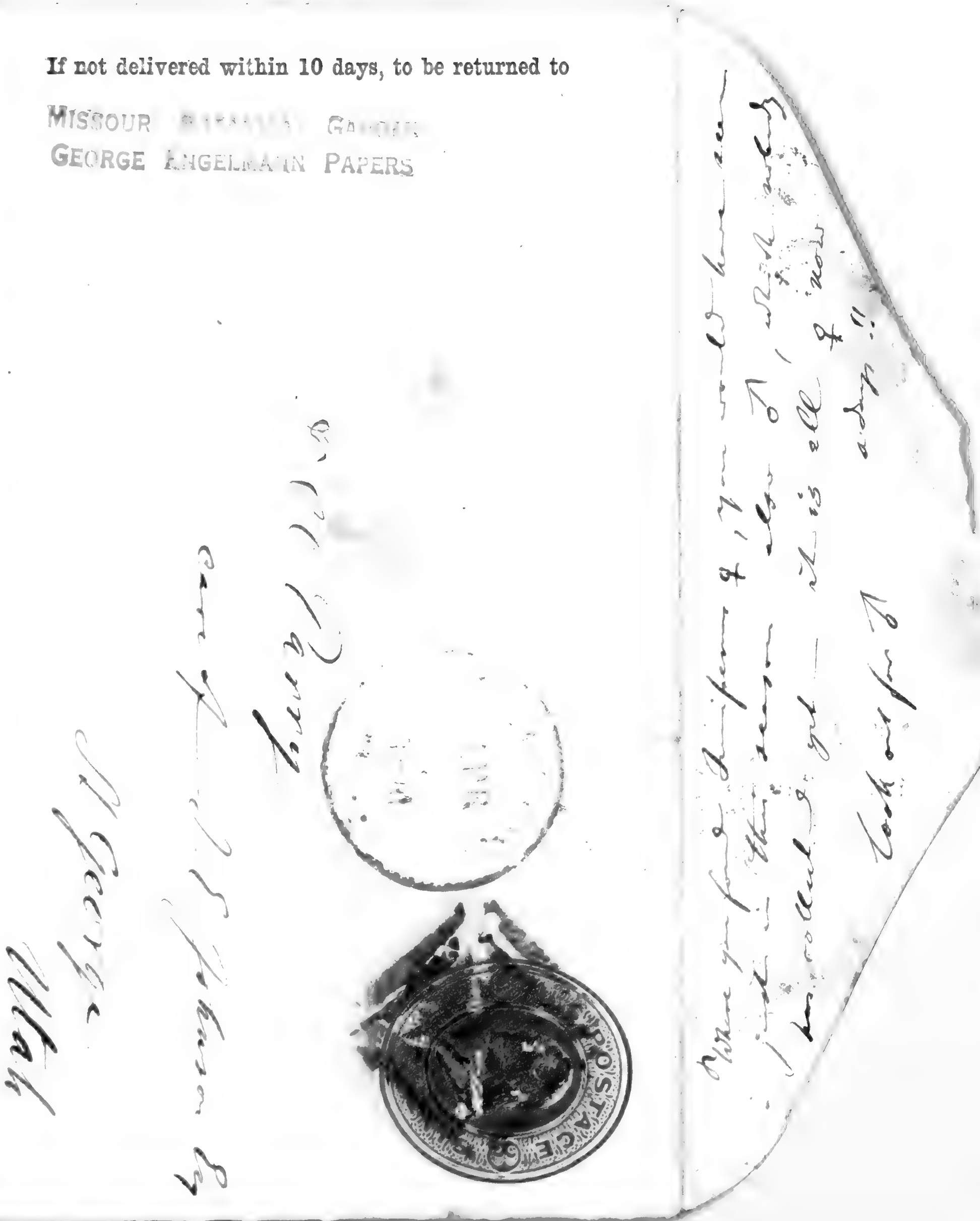

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Dr Engelmann
St Louis Aug 9 1866

Dear Parry.

I have dispatched yesterday per steamer Davenport 6 copies of Transactions and a young man aged 19 to your order. I hope both will get to your hands in good order.

What you will do with them I can not guess — must leave it to you.

George intends seeing some of your neighborhood, and if you should not plan some other expansion, where he may accompany you, he will go to Minnesota and from there perhaps to the Lakes. You will find him active and patient enduring; he would make a good mountain explorer, if you want any such — only he is wanting in the preliminary

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Knowledge of Natural History.

Bigelow is a capital fellow hunts up Juncus with a vengeance and has succeeded in doing the Nuptans to death! I.e. He has proved that N. vaneglaucum which he discovered last year, is nothing but a form of N. adenum and I fear that N. polysepalum would go with it. — Whether N. sagittifolium can remain is to be seen!! Radical destructives these?!

Yours Truly

G. Engelmann

With Love

Had a letter from Wright the other day, nothing particular

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Dr Engelmann
St Louis Aug 19 1866

My dear Parry

We arrived safely as per program last night between 11 & 12 at home. George bore the trip remarkably well and I believe is stronger now, than when we left ~~home~~ you. Give our love and respects to your kind neighbors the Henrys, and Mr Baker, and do not forget yourself and your good sister.

On the way exaggerated rumors of Cholera were floating on the air in the cars, and when I came to enquire this morning I found that they were not so were exaggerated either! the disease had been rife. And from the time I left till yesterday, when I neared Town, it seems, that it materially abated, and physicians tell me that to day they do not pay more than

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half as many visits as three days ago, while we were quietly and unconsciously strolling about the island and gathering Malvastrum angustum and no fancies

Mal. angustum Gray Pl. Fendl p. 22 note Sida hispida Pursh? Hook Jour Bot! I have not seen it from Georgia — Thomas Drummond, Red River Nuttall. "Calyce post anthesin ampliato &c. — — — — — ummmm!"

What does your Post office blunder? I am afraid you have a new Copperhead Postmaster! Only think, your letter of Aug 11th only arrived after my departure from here, though the envelope is stamped Aug 11 while Georgie's of the 12th came before I left! I can now understand some of your remarks and expressions, which were rather obscure at the time! You of course thought I had received your letter of which I knew nothing — So and the glaciers, the notion of wintering in Denver &c. &c. —

When we arrived before my house a man was ringing the bell and two more raced during the night, and today I am so busy seeing patients, consulting &c. &c. that I feel quite myself again, and up to any exertion — no fatigue &c. — in one word quite like a soldier in the heat of battle — i.e. I suppose! for I do not know that feeling from my own experience!

I also find a letter from Engelmann — with fancies — — — guess — you will find the name on the next page just to puzzle you a little! He says that it is now quite out of season has shed its seeds — So don't trouble yourself about it — we know where to get it next year, i.e. if our old friends, still stationed at Detroit or in this nether world of rushes and Malvaceae!

Excuse my haste, the buggy is again at the door, and I must be off — profuse diarrhoea — We are called on now barely to check these precursors and in that way no doubt are able to prevent severe cholera cases.

Write soon!

Yours ever faithfully

J. Engelmann

I have not examined these specimens of J. Freedi Vasey, Engelm. seeds but should not be too much astonished if he would again roller out his Eureka, and prove it to be nothing but Greenii! — These hateful new discoveries!! They ought let Gramineae alone for 5 or 10 years and then if they chose, try to academize my authority! But there is that Incarl, Polander is here comes that Joshua, Bigelow, too. But also ought to be stuck in the swamp, at least for one week, so that nothing would come from them again — — — at least this season.

J. E.

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Dr Engelmann
St Louis Sept 1 1866

Dear Parry

Now, please, don't let this winter pass, without overhauling your whole herbarium and labelling every specimen, and do now what you ought to have done years and years ago! —

Why did you not send me the names of those three Juncus' or still better, their heads for me to name.

Don't forget to ~~send~~ gather ripe seeds of that famous Malaxetum; also of your Adlumia, for me. Asa would also consider it, no doubt, a great thing, if you would send him seeds.

Juncus Greenii is a seaside plant and comes up the great lakes like Cakile, Lathyrus maritimus, Elymus and others — and will no doubt be found on other places, along the lakes. But so far Detroit is the only locality known. Oh Examine atavis! I find that Vigelow gets

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with Greenii & Vaseyi, but both keep distinct; so there is no "Eureka!" this time, and we will spare his life.

Another one who ought to be silenced, annihilated, for his unmeaning war on comfortable closet botanists and their doings is Bolander. This time it goes against our old friend Sonny; from the Big-tree region of Mariposa he sends a fungus which is Sonny's Congistylis, but ought to bear the name of brevistylis! an odd thing, but can not be separated, I believe, from the former.

I am anxious to get his specimens from the high mountains when he was going there!!

After keeping George here for a week and fattening him up we have left him at a station, 18 miles within call! (20-30 miles)

We are very well, though I have been very busy for a time. Cholera was very severe for two weeks, the one I was absent and the week one, but is gradually abating; so that I am only half as busy now than a week ago.

I hope that Dr Baker will not have much occasion to study it much; or he may come here for it, where I can show him "exquisite cases".

Some time ago I got the enclosed letter, which I had "more sense" entirely neglected; I have just answered it as best I could, but should like to have some information from you as to route by Denver or by Laramie to Salt Lake, and thence to Nevada. Also as to manner of travelling, expense, time and so on. Write on a separate sheet, which I can enclose to him.

Travelling with an emigrant train and May will probably be the thing for him. How his outfit? I do. He seems to be a steady

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of Medicine, fond of Botany and ought to be encouraged and assisted.

Give our respects to Mr Barry and to our friends in Davenport. I hope Mr Barry will not be so much taken up with sprinkle lime as are do to amuse boys and make people believe that a heap is done in a sanitary way.

We had a heavy rain yesterday 31 in 4-7 p.m. 3,23 inches that did more for the cleanliness of the city than 1000 scavengers, in a month could accomplish.

Now, I pray, it is beginning to thunder and rain again. How with you?

Your truly yours,

J. Engelmann

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St Louis Sept 13 1866

Dear Parry

Thanks for the information per Sherman, which I have forwarded. In return, as I have little time to write myself I will send Bigelow's notes. You will see the old boy is full of enthusiasm, fuss and Eureka! The discovery of Dr Hoey & Greene's was very interesting indeed. You may prepare for single combat with him; but I would suggest some Juniper as a better weapon.

I repeat to you the "must" and will keep poking it into you!

The dry season has suddenly changed since Aug 31 and we have had frequent and heavy showers — and now, 9 p.m. we have thunder & rain. Children abating but not yet entirely gone. 30-40 scatter daily.

Respects to Mrs Parry and the other fellows

yours, truly

G. Engelmann.

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Dr. Engelmann

St Louis Dec 5 1866

My Dear Doctor

I am glad you have turned up again — thought you was lost.

I write today only to inform you that I have in due time received your long communication, and will soon enlighten it more fully. — The list of plants you might yourself have made much more complete.

Glad to hear that you are on the Look out for another year's expedition.

You should improve the opportunity, your "rich friend" furnishes!

Or if hard times doesn't come and you can sell your house "paperbirch and all", well, we may meet in Europe next fall or 1868. —

As to leisure — no! and no! Typhoid fever and diphtheria etc etc keep me as busy as I have been.

Bigelow has sent me an immense lot of valuable contributions to Herbarium normale, but his

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taste does not keep pace with his zeal; his specimens are mostly coarse and poorly prepared — often 2 feet long. Rawson has also some nice things, but his specimens are also not standard ones; our Philadelphia friends do much better.

But enough! I write only to let you know that I am all right!

Yours truly

J. Engelmann

Shoot now est — get! I shall have a quarrel with some old folks, who don't want to die before they get it! especially crusty old Sartwell.

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for Dr Parry

1.

among your seeds is one, marked "Maguey, Agave" from N.W. Arizona. I have added, no doubt from your verbal notes: scape 6–8 feet high; leaves 6 inches long 2–2½ inches wide. — I have many questions to ask: thickness of scape?

Arrangement of inflorescence? similar to that of large common Maguey, A. Americana? with horizontal branches, which are again branched and bear many erect flowers on each branchlet?

size of flower? (I suppose you obtained dead remnants of flowers)

Size and shape of capsule?

Is there any trunk, or are the leaves "radical" [a word which is getting into very bad repute, but we will keep it up in botany]

Are the leaves similar to A. Americana i.e. stiff-juicy, with terminal and marginal spines or how? — —

Among your seeds is also one of a Yucca — large, but very thin from "Central Arizona" What is your recollection of the plant? Has it a stem or trunk? tall? simple or branched? leaves stiff — or flaccid — with entire, serrulate or filamentose margin?

I may have other questions to ask, for you know; never too proud to ask questions! but this will do for this day.

I would, in reference to the above Agave, ask whether you are acquainted or whether you recollect the plant described by

Torrey in the Boundary report as "Agave Lechuguilla". The leaves are about the size you describe the above, with strong recurved dark spines on the edges, the scape however is lower, and bears if I recollect right a simple spike of flowers. — I see the plant here in Berlin, and it has been described as Agave Poselgeri — an older name! — I believe it is figured in the boundary report on several of the sketches representing the boundary scenery. — Is yours the same or different? If the same, the poor thing will go under 3 names, as your seeds will germinate here and in other places under the name of Agave Parryi! —

Berlin June 18' 1868

Dear Parry —

I have nothing from America — no letters from any where (except one from my brother the other day) so that I have no answers for anybody. What has become of you? Write a line, addressed to the care of Mr Julius Engelmann, Frankfort O/M. The above will show you that I have not forgotten to "ask questions". Our respects to Madam

Yours truly

G Engelmann

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Kreuznach April 23d 1869
Recd May 12th
answd " 13th

Dear Parry

Your letter of April 1st reached me a day or two ago — You are one friend at least who has not forgot me — and who has not been kept from writing though a former letter has remained unanswered.

Your letter of Nov 17 was received in Naples Dec 15 and (probably — at least it was my attention) would have been answered, sooner, had I known where to address you.

So you are settled in Washington now! Are you not afraid that the general corruption might not affect you? The court-influence is so dangerous! Be careful of your morals!

Well you want to know what has become of me since I rambled with the marmots and chamois on the edge of eternal winter. After I wrote to you we had only one other serious mountain ascension and quite a severe one, on Mount Pilatus near Lucerne, but were rewarded by the most splendid sunset and sunrise. We then went to Zurich where George, coming from Berlin, met us and together travelled to southeastern Switzerland, but the splendid weather of the foregoing weeks changed into rain fog and occasionally snow, so that we were obliged to give up the Alps; a few Juncus trigluminis and alt arcticus among them were among the interesting botanical collection

Photographs to hand before

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made on that trip.

We turned to Italy but were woefully disappointed in the hope of sunny skies etc. etc.; the change was from drizzle and fog to pouring rains and thundering torrents; the floods drove us from the alps to the lakes, from the lakes to the coast, from Genoa to Florence, where after a few days George left us for Berlin. — In Florence I worked at Parlatore's and found his Conifers in Hk. Bot. were quite unanticipated — Bolander's Riddle, Pinus Balfouriana, I made it to be the deformed form of our P. aristata.

Florence to Rome, Rome to Naples, where Vesuvius gave an exhibition for us. Worked principally at Cactaceae there and Conifers — Had till middle of January back to Rome, there another month — Winter one week, but rather sharp, so we to inspire Cactaceae and Oranges — then, with the beginning of February Spring at once! — Delightful, splendid trip along the coast from Rome to Pisa, Genoa, Nizza, Marseilles, Montpellier — and there entering winter again, to Paris — 5 weeks there — by far too short — and now with my friends here. Shall be here, on the Rhine and in Frankfort for another months — then to Berlin again, and back to Grant's Land in the fall.

Now, here, you have a sketch of what I have done, where I have been roaming about, and what I intend to do. By the time I come back, the Pac. RR will be finished and if it be not already too much decayed may jump Shows and alight on the other side, at the jumping off place!

But you, you are now settled down at Washington!

I had a letter from Guy from Egypt some time in winter, he ought to be in Italy now, but I do not hear from him, don't know what may have become of him.

I learnt from him that Mann was dead and every thing in Cambridge "at loose ends" Wright probably to take care of things there. But I do not know whether he is really there or with the fighting men in Cuba — I owe him a letter, but do not know where to address. — From Bolander I hear nothing at all, he has not written to me since long months, which is very disagreable, as he then ordered a microscope, and was to give more definite orders. Do you know any thing about him?

Tell me all you know about the Botanists, and especially about our friends all. Who is in Washington? Dobb, I believe, has left — I do not know whether he got my bot. norm. addressed to him. Old Peck — what has become of him? — Thurber, is he doing any thing? and Torrey? Dr Robbins has not informed me of the receipt of his set. How are they in the West, Bigelow — Hall

The latter's name is well known in Europe through his collections of Illinois and of Rocky Mt. Plants — and people were astonished to learn from me that he was a plain farmer. — Canby also sends many plants to Europe; somebody told me that he went to Florida this spring.

Then about the others — let me know all you know. Are they doing anything for my grape studies? —

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The sets of Herb. Jurac. norm. I have sent to Germany and to France and Switzerland seem to have all arrived safely, though late in the fall through the Smithsonian. But 3 sets, sent to Notaris in Genoa, Parlatore in Florence and Cesati in Vercelli (now in Naples) have not been received; Auguste Bossange in Paris, the Smithsonian Agent never got them — thinks there must be an other agent in Italy, at all events they have not reached their destination.—

Nor has a large box with Bison and deer skulls arrived in Berlin, which I last April, just a year ago, sent to the Smithsonian for forwarding.

Please enquire about these things at once, so that they may be hunted up and forwarded if still in Washington or traced, if in Europe.

You are a friend at Court, and such you know must be used, use it as much as possible.

How did you like your paper in Illinois Transactions? I have not seen the number of last May yet; was it correctly printed?

You hope that we were not annoyed by fashionable gazers, as we were on Lake George — How mistaken you are — All Switzerland is for July to October only one great public park with Hotels and refreshment rooms, full of visitors, most promiscuous and most disagreeable among whom are those blue veiled straw hat-ted Cockney fellows, mouthing the English language to make the cows ache and the nerves quiver; in short, the cockneys and their dames — Switzerland and Italy

2/ is full of them; the Americans are also abroad. On the whole we avoided fashionable hotels and were the better for it in purse and comfort. — Americans too are often — not by any means all of them — right disagreeable specimens of rubbish, some ladies would ride in carriages with a number on (hacks) must have liveried footmen etc. Guess the world is a little every where, only a little more so in some places — (wouldn't such a phrase do for some of our presidents, Taylor or Lincoln — how does Grant come out? But I ought not ask such slippery questions of an office-holder!

The account of Longi Rak, of which you give an account I accidentally heard from a slip of the Illinois Republican, sent me.

In your position you may perhaps aid Boladeni in his endeavours to sell seeds and bulbs — has he sent and disposed of his P. Torreyi?

I did not exactly rap Parlatore over the knuckles, but he saw that I did not like his work, — by the way he has left out altogether my Pinus macrophylla (Orilg. Rep. and P. Balfouriana — perhaps much on the principle Gray sometimes expresses; I slip over that — I am not obliged to know every thing! etc. —

Parlatore's view (the old Linnean) of the inflorescence, fruit etc, of Coniferae is condemned every where. — this Pinus Boladeni is a bolander

But I was amused at the suggestion of a Botanist, that ~~that~~ large number of species in California must be a mistake

2/ I am also very sorry to be obliged to trouble you with so long a letter, but have not written since

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a splitting of some species into many nominal ones — I told him gravely, that California was a great country, the greatest country and that it produced not only gold and wheat and wine, but also the biggest trees and the largest number of Conifers, species, genera and individuals — Now, Bolander may help me out, if I told a ....

Agaves thrive beautifully in Naples — American and others — and I have found men there as foolish fond of them as I can possibly be of Junis or Cacti. A Parryi has germinated well — but I want it in the South, where it will thrive better; I have seen several species in flower or fruit and have studied them.

Yuccas are also common in cultivation in Italy and France; in Naples large trees 25 feet high — (Y. aloifolia with pulpy fruit) branched etc —

Y. Draconis still higher, but simple

Y. angustifolia not seen, ought to be introduced

Y. filamentosa rare and makes no fruit — people don't know that it has dry, opening, capsules.

Y. gloriosa common —

Other Yuccas from U S or Mex in cultivation which I do not know — Here Arizona ones are not known; yours, if not named, ought to bear the name Y. brevifolia. —

Yucca and Agave are peculiar to Southern parts of N. Am. & Mexico.

Right! Keep a pigeon hole, but a big enough one, for me and tell that to Palmer, and remember me to him.

The nice little Manzanita Palmer found near the falls in Sonoma Co. Cal. seeds kindly by Palmer. More Carex

put in any good thing, which they have not "gobbled up" "they" means of course Italy. I promise to exchange — will give the Smithsonian Collection more than they can give me, but want equivalents.

Running over your letter I jot down incoherent answers. Gray said in writing that he would summer in Germany and be back in Winter in U S. but dislikes winter voyage for Mrs G. who does not seem over well and strong though better; thinks he must go home to see to things in Cambridge. I advised him not to travel in winter.

That Brussels Carpet seems to tickle you mightily; hope you will keep it clean and free of dust.

Yes I did treat Haydin badly — but — but — there are so many bugs and bugs in the world —

Hope that Palmer will do well; he is a jealous fellow — but must be schooled — his cactus seeds were all unripe, and do not germinate — must get good ones — and by the way — that Opuntia you sent is O. acanthocarpa to judge from the peculiar seeds — but unfortunately not better than Palmer's — unripe — wont germinate.

My Cactus goal was at Fever Light in Paris, where with my friend of the French Mexican expedition Dr Weber I conferred a good deal — a little too much for my wife's comfort and wishes. He saw and observed a good deal in Mexico, and as he bought my Boundary Cacti and had them sent to Mexico, carried

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them in Camp with him among the "Greasers" I can not but love and esteem him! In the world goes — I must get Carters seeds for him and the Paris people. — My Cerous passiflora, which none of you found in flower was raised from Wright's seeds and flowered in Paris. They have a way to graft these plants and make them thus grow more vigorously, faster and flower more readily.

Write to Palmer for Carters & Yeman and Agnew seeds — but tell him seeds count germinate unless ripe — tell that to a certain Dr Parry also.

But you must not be afraid of me — I will not criticize nor scold — but do nothing but admire yourself, your pigeon holes and especially your Brussels carpet! — Talk becomes of the plants, King, party calls. How and where is Vasey —

But Palmer with his blind zeal in the man! We must keep him warm!

Look show that letter to any one — I am afraid I offended people too witty by — you two!

Hearty greeting to Schott — Hope to pay you all a flying visit next October — Keep ready for me — we will have a nice time of it.

And now farewell — write soon and I will answer — chirography or no chirography — I write my letters without any — and you with very little — good for old Mr — What's her name — Partington?

My wife & George send their love — yours ever Gray

Respect to Mrs Gray, Charles, Sarah, George, Asa, Jerry, Fanny, Mr Schott, Mr Sullivan, Mr Lesquereux, Mr Lesquereux's daughter.

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Englemann

New Sept 16 1869

My dear Parry

I feel as if I should put Cambridge at the head of this instead of Kew — for I write at our friend Gray's table, just after the tea things are removed and your letter has been read. — So you are to be in St Louis day after to morrow! Pity, I can not be there and receive you in my new home, introduce you to the new herbarium, the Pinetum in the yard, the Cactetum (pardon the word) in the parlor etc — — well next year — as St Louis has become a halfway house between the howling (it does howl just now) Atlantic and the s.n.o. wrapped etc etc — But stop badinage, for I have to write on more serious matters, have not even time to excuse or explain my long silence — I can assure you that your letter has travelled with me through half of Europe, to be attended to and answered, but the good time has not yet come. And now it must be skippered, to write about the important questions you now broach in your letter to Gray.

I have been looking round a good deal for microscopes and examined into the matter pretty thoroughly. Beg pardon the

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cheapest and among the best that are made now, are by Gundlach of Berlin. I had a cheap one made for George, costing 38 Thaler (= same amount in Greenbacks), and adding since a more powerful (about 800 magnifying power) objective system with immersion for 12 Thaler. — Such an instrument even without the Cutter would, I should think be quite sufficient for you; but if the Department, that is, we all of us good and "loyal" i.e. tax paying citizens, is to pay you ought to get a complete first Class Instrument such as Nachet used to sell for 320 and such Gundlach now makes for 180 Thaler.

Bolander wanted one promising to see that I should get the Money for it. I ordered it conditionally; it was to be finished now (middle of this month), but here I get a letter, that the money was not forthcoming, and I had to write to Gundlach to stop work on the instrument or sell it to somebody else.

If I had known of your wishes 4 weeks sooner I could have turned it over to you and saved trouble and bad feeling all around. — But if sold, Gundlach would make another one and it would be sent through our Minister Bancroft to Washington. He promises to finish one in 3 months — is always overwhelmed with work, and never keeps any thing on hand.

The Instrument is a complete one, highest powers, clearest definition, all the appurtenances, drawing apparatus, polarizing etc etc. probably much more than you would care to have. I felt an almost irresistible inclination to put myself in Bolander's place, and buy the nice toy — but as I have a pretty good one already, it would be too — foolish.

At any rate you can through me and my Berlin friends and finally through Bancroft get whatever you want in that line; in about 3 or 4 months.

I am here since 2 weeks alone, wife and son were with me in London and on a flying visit to Scotland, 2 weeks, are now on the Rhine, where I expect to go in 3 or 4 days and then embark Octob 9 — to be either drowned or burned or both, if not landed safely in New York about Oct 22 or 23 — I expect to find letters there from you if not scalped or frozen up on top of Grays peak. Write to Thurber or Torrey for me. Till then Good bye

yours

G R

Dear Parry, I put pen in E's hand and made him write: good for you! Thanks for your pleasant letter, & the "scraps" enclosed. E. talking with Mrs. G. shakes the table so that I can't write plain. I'll tell you first what to do about microscope. Nothing of the sort cheap in England.

As to botanical books, I should not dare to buy unless you tell me what is wanted. As to second hand books I have never had a bit of time to look for them. And generally I do best by ordering from booksellers catalogues. I was very little in Germany, where books are best bought, neither want to Berlin nor to Vienna. I am delighted at what you write of good Dr. Torrey. I will write to him immediately. I hope to share in the things Dr. Palmer is sending. Share all the flowers of Cuneotia are wanted. I hope Dr. P. has got them.

Mrs. Gray joins best regards. I am now at work – very hard, the time is so short; but Dr. E. & I are going down to Dr. Spruce to-morrow – a day's work – to see the Orchids.

Ever, dear Parry, Yours aff'y.

A. Gray

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Engelmann

Philadelphia 26 Oct 69

Dear Parry

if this finds you in W. you will learn by it of my arrival here — We arrived Friday after a most agreeable trip and spent two days in N York — saw Torrey and Thurber, passed a glorious Sunday in Central Park — when Torrey was not to be had — thought of our visit there 18 months ago — and are now here to stay at least till Friday, perhaps till Sunday night.

Have you been in Colorado? brought Compton? Cantè? E. Simpson? is the great desire of Cantè phil. in Europe.

We have to talk a great deal of about Compton; I studied them in Europe well.

You may grumble at my laziness in writing or not writing, but can not charge any unwillingness to serve you or the interests of science —

You got my letter from Kew. Well, soon after I left there, Jimy got yours about $300, microscope and books, worth to me at Berlin, including yours; ~~for~~ reached me just a day before starting home bound in hand rain, magnificent distances like those of your capital, ordered the Microscope, originally destined for Bolander cut down from 180 to 140 thalers = $100 !

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Gold, and then the books, Corlyon etc, and everything will be in your hands before the end of November, I expect.

Books to be sent through the Smithsonian Microscope as Gray may direct, through Bancroft or Dally by Hamburg steamer as soon as done.

The Microscope is very complete and very cheap. All that is wanting of the one originally ordered for Bolander is the highest Power Objective (it goes now only to 1200 linear magnif. power, which is more than you want) and the moveable stage, moveable by micrometer screws — but it has besides the essential parts, the polarizer and the designing apparatus (Camera) and the new arrangement of a revolver! Don't start! It is an apparatus which I have long desired, and found realized there — several objectives are screwed into it and after examining your object with low power, you just turn on a higher one, adjust focus and continue your examination, thus leaving your object untouched and undisturbed. —

I have added a double lens on a stand, to use instead of the Coddington and more convenient.

If in W. come over here — or if that dont suit, write at once to the Continental House, room 35.

You will probably have a letter from Gray about all these things

My wife joins me in the warmest wishes for Mrs Darwin and yourself

Ever yours

J Hooker

Engelmann

St Louis Nov 21 1869

My dear Parry

Here is your letter of the 3d before me! That you did not consider it worth while to wait for a day longer, is a shame and ought to be sufficient reason to cut you completely and at once! — Well — I won't! But more than that! My letter of Oct 25, from Philadelphia is in your hands and you do not answer it, though it contains matters enough for enquiry and remark. Or did you not get it?

I won't enter into its contents now again. Perhaps the Microscope is already in your hands. I had requested the maker to add as complete a direction for the use of the different apparatuses as possible, but as that is in German I suppose, I will have to translate and explain, not that you might not find many a man in Washington to translate, sworn and unsworn interpreters, but as I have conversed with the maker a good deal and know his views etc, I might explain better. You will be pleased with the instrument, which is of great power and clearness, definition as they call it — and will probably order next year the remaining parts for 40 Thalers more — a more powerful objective system and a Stage, movable by micro-

micro screws, though they are not of such paramount importance.

The "revolver" is a very excellent invention, which I have long wished for, very useful, when you want to examine an object in general, with weaker powers and then in detail with a stronger one!

Have a glass bell over your instrument, it will be a scientific ornament, and suit the Brussels carpet well, as I don't get the Cutter I could not pretend to claim the former. Hurrah for office holders, carpets and all!

This brings to mind another matter. My old jealous but not exactly very profound friend Peck was ousted in your department (am I right?) last year; perhaps you have got the place he filled? In fact I wondered how he ever got into that place, which he perhaps was not able to fill.

Now I find among a number of letters which accumulated here several from him and friends of his complaining of injustice, persecution etc etc. It may be a little cowardice, which makes me thankful that I did not get those letters at the time; I could not have done him any good and would perhaps only have had to offer empty words.

He is an honest, well meaning, poor fellow and very jealous, and I should like to know, where he now is, if you can find out, and whether any thing can be done for him.

Connected with that I should like to get a little confidential information of how things are carried on in your great city — One of the letters says that Peck, Dr Emil and Charles Damm have been most shamefully treated that Peck was removed to make room to a rebel from Maryland, that Capron is a disguised copperhead, that Dr Antisel, "a fossil", had his hands in it etc etc — Can you give me an unwarrished and unreserved commentary to all that? Of course all confidential.

If I can learn of Peck's whereabouts I shall write to him, if course in a general way — I have told you above, what I think of him.

We are here since Nov 3, 8 p.m. must have crossed one another a few miles from here! We are still in the hotel, but hope to move into the big wigwam which will also have ample room for botanical friends and their wives (entire that!) end of this week — i.e. into a naked scarcely furnished room or two; but I long to get to work again.

I wish you had also bought Elkin. Simpson, which the Cantor friends in Europe seem very anxious to obtain. O. utilis which is most probably only a form of Mesomicrus is will be very welcome.

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You say, you expect long letters! Oh, for the present I do not write any, and this is (with the exception of one to George) the first epistolary effort since I am here! Don't feel like it; this being nothing but looking after mechanics and then pricing furniture, carpets (no brussels!) &c &c and seeing here & there a forlorn patient, don't suit me at all. You must then excuse this rambling letter — by and by I shall perhaps do better, as people do persist in telling me that I have become rejuvenated.

Last news from Gray I got in Southampton on Board — saying he would make good my notes given in Berlin for Books & Newspapers — He must now be in New York or Cambridge, hope he got in before those storms — was to sail Nov 9th.

I saw Tommy* the same amiable kind hearted Gentlemanly old man with same forgetfulness — saw also Thurber who seemed to me improved — stayed in Philadelphia some days and saw friends there, those that had gone on a spree to California (as Canby & others) Now good bye if you want more from me, you will have to ask for it

Ever yours G. Engelm

*Thomas Kelly Cheney.

I see not much of this, because my eyes are so weak.

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St Louis Dec 12 1869

Dear Parry Engelmann

your letters and the different packages (Opuntia, Arenonopsis? and Pines) came all to hand in due time, and as the last letter (rec^d Dec 7th) requested an immediate answer, you may justly blame me for delay.

But hear my explanation. You want me to do the Pines and Oaks for a work about which I know nothing. What is that work, its form, object, etc — What the scientific knowledge to be exhibited and detailed?

My draftsman, Roetter, is now with Agassiz in Cambridge and inaccessible to me; I have made search for another one, but thus far without satisfactory result. At all events, even if I should succeed in finding one, he, not being a botanist would have to be educated by me — a very laborious task — which in Roetter's case only unbounded zeal and intense in the newborn Cactus excitement could aid me to overcome. — I used to pay Roetter from 10 to 15 dollars for his

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fine drawings.

So, for the present, I must wait for further orders from you. The specimen of P. edulis is very fine, that of contortus less so. — I have drawings of P. Engelmanni made by Rothrock at the time and under my eye — if I mistake not, I have given them to Thurber as a loan, two years ago, and have forgot now to reclaim them from him, when I met him in New York.

The second copy of Prizely's addition was my own, and considered as a fee for my services in Berlin — please send it — What you want in return may be sent by our Academy.

I did not know about the difficulty in regard to the microscope — but hope you have got it now. Included you find Gundlach's Price-Current.

Diffusion of Knowledge for private purposes" is that your or Henry's phrase? at all events I should like to have this explained! And is the Agricull. Bur. private? or a "private purpose" — All our pursuits are private but tend to scientific progress and thus to public benefit! Cock!!

You will have to go under the name of "Maryland rebel" henceforth! — Poor Parry, a Maryland rebel — and in the same breath your chief is classed as a secret or disguised copperhead. — Such terms seem to be the slang of Washington office seekers and office holders and ex off. h. — But I need say they do not occur in "poor Peck's" letter — though in some other indignant person's expectoration.

You forgot to tell me where to address Peck — I shall certainly write to him, and you will have to be good friends; though he is a little conceited about his little botanical information. — That Catalogue I got at the time and was sufficiently shocked by it.

You have not answered my questions about these different persons and the "Jesuit" Satisell and his cumulation of office.

You need keep me posted about matters at Court! What use to have an old friend there, if he will not make himself agreeable and useful!

Austin, Cooly

Heard of Bigelow, Hall and Bebb also a line from Gray.

We are still in the midst of disorder, not yet unpacked not yet fixed in any way,

therefore uncomfortable, disturbing, prowling, savage, useless, disagreeable unapproachable — pray do not come on a visit just now! But by all means in a few months!

Elbow room and large tables I will have and hope to enjoy it. —

If I said "we" above, please put the singular. I do not include my good wife in that extorted confession.

Pray do not talk of "western lumbering" and such mean phrases — or, if there be any flashes, they might strike you!

Wife sends best regards to you and your lady

Very truly yours

G. Engelmann

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"Write instanter" i.e. in modern phraseology not later than 5 days after receipt of this!

Bolander disapproved? He dont answer my letter.
but I neglected to say: instanter:

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