Rec'd Dec 6th
Ans May 15

Bellevue Nebraska Nov 26th 1856

Dear Dr Engelmann,

The Box containing 8 Bottles of Alcoholic Specimens and the Cacti which I think will interest you have just started this morning for St Joseph — Col Gilmore a friend of mine at this place will then take them to St Louis and leave them with the American Fur Company or send them to you. I feel anxious to have you get them as soon as possible for they may spoil for I think you will be deeply interested in them. You may expect to receive them very soon after you receive this letter — Please send the Bottles carefully packed, to Prof Baird by Express, and please keep a note of any expense you may be to, for me or Col G.

You may expect an interesting collection of plants next Spring from me. The Bottles contain Specimens of Reptiles, fishes, Insects & from the Yellow Stone and are of priceless value. I hope they will get to Prof Baird safe. I start for Fort Pierre tomorrow morning early. I shall have a cold time of it but I have a glad Heart — for I think there is decidedly good in store for me.

Please write as soon as you can and Accept my kindest regards.

H. V. Hayden.

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Ans March 11

B

Chara polysphylla et var a. Michauxii

Cleaveland Ohio Feb 18/53

Dr. Gray,

Dear Sir,

I send you enclosed a species of Chara as I suppose, which I obtained from the river in this vicinity last summer. I was unable to determine it from any books to which I could obtain access. I showed it to Mr Wood. he does not recognize it It is not very well preserved, but as well as could be under the circumstances.

If you will give me some information respecting it. I shall be greatly obliged,

With much Respect, Yours,

F. V. Hayden,

Dear Sir,

Please name said ~~Potato~~ Chara for this man, giving him the name by mail

Yours ever

A. Gray

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Rec April 11
Ans verbally

Rochester April 5th 1864.

Dear Dr — E —

I received your welcome letter with much joy and was glad to hear from you — I was somewhat at a loss to know why I did not hear from you before — I am sincerely obliged for the trouble you have taken for me —

As yet I have heard nothing directly from Col — Vaughan — I think if he is still disposed to carry out his plan I shall accept his offer and have written several times signifying my acceptance. If he has heard from me I think it very strange that he does not inform me one way or the other — Prof Baird is much interested in that country and I hope will provide some way for me to go there —

I will enclose a note to Col. V — which I wish you would be so kind as to get to him somewhere if he is in St Louis yet — please send it by mail to him as soon as possible —

I am very glad if there is anything interesting among the Cacti. If I go again I shall be more particular in my search for them — I hope you will obtain a set of the plants, I spoke with Prof Hale —

I am remain with much Respect, Yours
F. V. Hayden.

To Dr G. Engelmann.

To Blue Springs county.
my expenses singly

Call on Col. V.
I hope you can go with me
my
my
please direct my note to Col. V.

Do I have to go for Col. V.
will you please
my

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Rec^d Nov 25
Ans May 15

6

Bellevue Nebraska ~~Oct~~ Nov 11th 1854

Dear Dr Engelmann,

I received a fine package of letters at Fort Pierre by the fall Express in which was enclosed a very kind letter from you. I was delighted to get some letters I can assure you not having heard a word from any of my friends for 4 months. Why did I not receive a letter from Prof Baird of later date? I received none, stating that he had received one specimens from me. I am most sincerely grateful to you for the kindness you have shown me in forwarding my letters &c. I am glad also that you received a collection of Plants from Prof Hall. They are not as well preserved as I would have wished. You are aware that Botany was not the object of the trip and consequently my opportunities were very poor. The label in each paper applies to all in that paper. That is they were collected or grown in or near the locality mentioned. Prof Hall seemed to attach no value to the Plants, and when I was drying them into sets last winter he wished me to spend but little time on them as they were of no value. fossils big to any thing he cared about. So I got rid of them the shortest way possible. I hope however that you will be able to do something with them. I have a fine

now at Fort Pierre, may different from those of last year and I think better preserved. I purpose to take the most characteristic specimens of each species, number them 1, 2, 3 &c give place, date, &c and the geographical distribution in the West, thus No 1 on label — refer to notes with full remarks &c. soil, formation &c I feel anxious to determine the geographical distribution of Plants in the Upper Mo country. When this prepared I wishes to send them to you in Spring if Col Maynard so that you may describe any new species &c ——— I send you a Box, containing three Bottles of Alcoholic Specimens which I wish to have sent to Prof Baird — In the Box you will find, all the Cacti I have collected this Season with notes &c I think there is one new Species — found only on the Yellow Stone called jumping prickly Pear. because the seed vessels fly on the traveler like Burrs — "Desc — taken in field ——. "Nearly circular leaves — flat — branching — Spines purple — two kinds — one or two large Spines, sometimes 2 or 3 inches in length — reddish brown surrounded by 6 or 8 small white Spines — Leaves always white on flowers low and high, in barren soil, quite almost all in waterless Seed vessels numerous on a plant — three to six" — Again — "I noticed on upland Prairie a very large Bunch of jumping Cactus in which some of the leaves were six inches in length — four broad — three fourths, thick — On several leaves I counted eight seed vessels — Spines around edge by thick and red" — This was a rank growth — these notes are from my note Book — I think if you get the Box supply you will find good Specimens of O. — prolifera — other are two Seed vessels corresponding to your figure.

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you will also find some small Specimens of Petrifies wood. Please keep them if you like them — Also some Rino corns — all from the Yellow Stone. The Box will be sent to St Louis care of "P. Chouteau Jr & Co". and will come to this again within a few days after the arrival of this letter & thinks —

Any expense that you may be at, on my account. Please keep an account and I will pay all on my return — I am afraid I make you much trouble. Please have with me for the date of our parting Gourseint — The three Bottles contain my rare Specimens. I would like to have them go to My Home with care —

Perhaps you wonder at receiving a letter bearing the above date and place — On arriving at that Point there was no one to whom Col V— wished to entrust his papers the excited state of the Indians rendered it unsafe for me to go into the country the place — so he wished me to go down to Council Bluffs and see all his papers safe in the Post Office — I have just arrived. 15 days journey, in a small Skiff — low water and much detained by wind &c. I shall go back down on Horseback by land — A cold time I am afraid — But I have all I can do this winter in stuffing animals, preparing my rare Specimens &c — I made a fine collection on the Yellow Stone, about three tons weight. Many new Specimens — especially fossils plants. I am inclined to think that the Amount flower rivals the Madeira. Heart Beautiful!! I have quite a variety of stuffed animals as — 4 Bears. 8 Prairie Dogs. 2 Grizzly Bears, 2 Buffalo calves. 3 antelopes, a large variety of Birds

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of Antelope, Deer, Rightmouth, with skin and bones all so in the way of making fine Specimens — 2 Skunks — foxes & moles and a beauty of birds &c — & quite many alcoholic Specimens also — So you see I have already a pretty good collection for one to make single handed & alone — I am very much afraid recent troubles with the Indians is going to prevent me from going to "Bear Lands" next Spring and perhaps suspend all my operations — Much trouble is expected — Please write me as often as you can and give me the news in Science — & discoveries. I can hear nothing. It makes me uneasy —

Is Government doing any thing? Are any expeditions being fitted out for exploration? &c — Please remember me very kindly to Mrs Engelmann, and accept of the kindest regards of

F. V. Hayden

Rec^d March 20th
Ans May 15th

Fort Pierre, Dec 31st. 1854.

Dr Engelmann—

My Dear Sir—

I hope ere this time you have received those specimens I sent you and forwarded the Bottles to Prof Baird— In thinking about it since— I fear that Cactus I sent you is not new but simply O—Missourensis— I was thinking that the seeds of O. Missourensis were dark colour and these seeds by a light yellow led me to conclude that it was new or strange. I hope however you will find some things interesting in the Box— I am glad that Prof Hall sent you a set of those plants— They are not well prepared I know but if you can appreciate the circumstances under which they were collected you will at once excuse it— They were all prepared at extra moments when others were resting— rather contrary to the rules of Mr Meek or Prof Hall who thought for nothing but fossils— The Label in each papers means that all in the paper were collected in or given at that Locality— I did this because Prof Hall hurried me up, telling not to spend much time on them, as it was all lost time to him— This was to me poor encouragement.

I will send you a set of what plants I have

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collected this season, in the Spring by Col Vaughan — with such notes as I shall be able to make —
I wish you would be careful to keep a Catalogue of all — whether common or not — For if it seems desirable I would like to see a Catalogue of all the Plants of Upper Mo. with their Geographical Distribution — I should feel it a great privilege if I could join you in making out such a catalogue. It might be a contribution to Botanical Geography — I shall doubtless add several hundred Species more in the Spring —
I am sorry I cannot hear any oftener from the States — The Members at Fort Pierre were sorry that I did not go to St Louis — I am sorry now that I did not go, but they gave me no orders to that effect — How can my letters be got to me before the 1st of March? I wish you would take the trouble to inquire — I expect that there will be no express sent up this winter — Perhaps Mr Campbell may be sending up — I feel anxious to hear something —
I wish you would take the trouble to inquire how they may be got to me most expeditiously —
I feel very anxious to show you my collection it is fine. In a few days I go out to the Chayenne — also to the "Bad Lands" and get a Lustre for Col C — to take down with him in the Spring — The Indians are not well disposed at present and there is considerable danger apprehended — especially from the Brulées who were in the Platte affair.
I have however concluded to spend two or three

months, next Spring in the "Bad Lands" with a couple of men — I shall watch the Cactí more attentively this Spring and doubt not that I shall catch them all in bloom — I have collected a few more which I will send in the Spring — Should there be anything published on this country by Hale, Evans &c I wish you would try to send it to me — Do not trouble yourself however When I shall return I know not perhaps in the Summer with the Boat and perhaps not until Fall — We have had no Snow here as yet —

I remain ever very kindly yours &c
F. V. Hayden —

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G. Engelmann

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Rec'd - May 19
Ans June 6th

Fort Pierre April 5th 1867

Dear Dr Engelmann.

I have not been able to hear from you since last September much to my regret. Since that time I have written you several letters and sent some Cacti &c to you I sincerely hope you got those three Bottles of Alcoholic Specimens - I sent them by Col. A. R. Gilmore of Chicago who promised to deliver them safely to you - Some enquiries be been about them for they were all gathered on the Yellowstone and among them were doubtless some fine things -
I fear that species of Opuntia has not been as I thought though. I think it ~~for~~ varies from the form most common below Fort Pierre - I shall watch the Cacti this Spring and take copious notes for you, also of all the Cryptogams which I will bring to you in St Louis - I have just returned from a trip to the Black Hills in which I made some fine notes - On the South Side of a lofty Butte about 1200 feet high near Black Hills. I found two Species of plants just coming into bloom - One of them is a red looking plant. flowers on a Spike. The other resembles an Hepatica. and is called by the Indians the Navel flower. from its resemblance to a navel, and when this expands. they think that the umbilical cord of the young child Spring is severed - I made an abortive trip to Mauvaise terres, I started Feb 17th about encountered a seven days storm and was obliged to turn back after reaching Sage Creek within 12 miles

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of place & operations - I shall start again the 9th. of April and then stay until I accomplish my object - I have made something of a collection of fossils, but other things are not much - This is not a good spot to obtain Skeletons. Here I so many hungry mouths about here that an animal is broken up before it gets cold - I would like to have you see Col V ~~the~~ when he comes to St Louis - ~~also~~ you will find him at the Planters House - also Mr Filpin and Culbertson who are going down - We may hear from them before the Steamboat comes up but it is uncertain - I have intended to return with the Steamboat, but Col V. wishes me to take the Team up the Yellow Stone again and I am inclined to do so - I shall be able then to get to St Louis in September and I wish very much to review my labors & spend summer. In case I do stay up here, I wish to ask some great favors of you - My collection will return in the Boat, many boxes, A room will be provided by Col V. but I wish you to see them all handled and put in the room, or I fear they will be misused - The boxes will not bear rough handling and I fear for them - I shall also wish for some things, 1st. two kegs of Alcohol, one of them Medicated and the other not, both marked poison - One ream of paper, same as I got, I wish one key to take up the yellow Stone and the other for a trip contemplated to the Black Hills but not yet certain - By an arrangement with Col to all specimens, except fossils, go as a matter of precedent to Prof Baird and Hayford I think that he will see that these things are paid for. Please send them on board the Steamboat care of Col V. If I do not need them

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I think I can inform Prof Baird in time — I feel quite anxious to go up the Yellow Stone again for several reasons. and as I will be gone only about two months I think it will pay well — I send you a large portion of my plants which I wish you would examine as early as convenient and should you find any new Species have them published as soon as convenient — You will find some notes under the top bundles — I could not label them as well as I could wish, for want of paper. So I did the best I could with them and hope you will find some things interesting — Some of them are common in the States, I know but I suppose you wish to ascertain the complete flora of this region and the Geographical distribution of all. I have endeavored to make the set as complete as possible and when you find a Specimen not labled or numbered, it is because it has been mislaid in some of the preceding papers. I did not like the plan of putting the Specimens on one water, but want of paper compelled me, Please preserve them until I see you, when I hope to furnish you with many more — Please inform me if there are any plants of interest in the collection I made for Prof Hall — I am obliged to make use of very small means, and often do as I can, make my pursuits secondary even. In a Government Survey or Expedition when I could have the proper facilities, I could do things much nicer — Mr Galpin, the present Bourgeois of Fort Pierre — has been very kind to me, even like a Brother to me, for I am much indebted for whatever I have or may accomplish at Fort Pierre — I have directed a letter to Mr Meek in your care, please forward to him. I do not know where he is, but suppose he is with Hale — Col V. just tells me that he will engage a young man to Cook &c

the Boxes and see them stowed away. but still I wish that you or Mr Meek would have an eye to them. if you are not too much hurried - I am sorry to annoy you as much as I do. but I know your willingness to aid in all such enterprises. Please accept my gratitude for many kindnesses you have shown me and I trust that you will not regret it - Do not hesitate to make any suggestions or give me any advice you may think I need - for you know my main object is the advancement of science and if I can do a little I shall be glad - therefore I shall not only not be offended but feel that you are my friend indeed if you advise me in any way you may think best - Please make any suggestion relative to collections and I will attend to it - Any things that may come to you for me, if placed in the care of Col V., will come to me free of charge on the Boat - I should like very much to get any works that may have been published on this country during my absence. Perhaps Prof Baird will send them to me. It seems as if I was excluded from the world out here as it were. and I sometimes feel lonely -

I send a key and a bottle of Alcohol specimens & a small key containing Embryos for Prof Baird. Should they come to you. I would like to have you just throw into Adams Express. and send the to Prof B - Please accept my sincere gratitude for all your kindness. and believe me Yours most sincerely.

F. V. Hayden,

Please write how long Mr Survey will continue whether any Government Expeditions are starting, whether any other State Surveys are in progress - If you wish any of the plants for yourself take what you wish. If you think Prof Torrey or Prof Gray would like any of them you are welcome to them -

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Dr Engelmann

I send two other kegs of Alcohol specimens. to your care - which I wish you would put into Adams Express - please leave a hole in them and put in some fresh Alcohol - They are my choicest things. I am afraid the kegs will leak - I hope you will set the plants - determine them - I will send you more by the Boat - Col V & Mr Lullerton start from Fort Pierre April 25th.

F V Hayden.

The pen cactus in the box are from "Red Lands"

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Rec^d Aug 4th
Ans Aug 29

Fort Union July 16th 1851.

Dear Dr Engelmann—

I received a long excellent letter from you by Steamboat, the only one since September last, I was glad to hear from you, though I wish I could hear oftener—I have written you several long letters which I fear never reached you—I am glad you have found our Cacti that interest you, I have some more, also, some Mules which you will see by Steamboat—A Box of Plants go at Fort Pierre You will see by the outside of the Bundles what ones were collected this year—Those Mottos I would like you to preserve—Have you discovered any new or rare species among them—Please let me know in your next, I hope yet to make the "Flora Nebraskana" complete—I am pleased with the labels—I hope you will make a Catalogue as full as possible—You should have received a Box of plants from Col V— in the Spring! You will get some things by the Boat with I hope you will forward immediately to Professor Gray, I wish to direct your attention to a small Box, marked Prof Gray, It contains all my discoveries in Bear Lands, 4 or 5 new species—If they should get lost in any way I am sorry—I hope you will get them and see

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them sent to Fort Kearney in the safest manner possible, while and for the notes which owing to my limited time may puzzle you some. though I hope you can make use of them. I attempted to describe the plants peculiar to this country. It is just done in rudimentary language but as I have no books, you may make something out of them — Among them you will find some Cacti ~~[illegible]~~ some prickly pears of the "Mex". from Fort Pierre I have found some various forms of the flat leaf Cactus, perhaps even distinct species. I have passed some of the forms before — I am now on my way to Fort Benton from thence I expect to go to the Mountains — I have then look for other Cacti forms and those rosetae plants you spoke of to me. I am told by an old, I am glad to hear that you little son is a naturalist too young. He should have some skulls in the pale — I would have sent some of skunkcabbage, but I had them all pressed to send to Prof B — My facilities have not yet [illegible] — I shall now set out my journey from Pierre and I hope be able to do something — the plants I have offered on the Root and are in Spirits — It is somewhat disappointed to find them dried [illegible] can determine them. for want of paper [illegible] in our paper, which they come from [illegible] locality — After my [illegible] to St Louis they [illegible] the Director of the Mo. Bot. Gar. [illegible] with designs of my to collect

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any thing that grows, whether common or the Pacific or not — Is it not a matter of interest to determine the geographical distribution of even the commonest plants? Do not fail to go immediately to Steamboat as soon as it arrives and I wish some one who feels an interest in such matters could see them in the Stone House. Mr. C. P. Christian has promised to take them all down and store them for safe keeping — I feel much anxiety about them lest Donnell's men happen to them — I wish you would write into Oregon if possible — Give me any suggestions for my thus far.

Since writing the above, Mr. C. P. Christian has agreed to take the whole collection down, store it safely and carefully until I come. He is connected in the matter and will feel an interest. Why did you not write to me of that your letter bears date May 18th. and the boat did not start until June 6th.? I hope you will write at every opportunity. And ~~giving~~ ~~to~~ ~~them~~ to Fort Pierre or Fort Clark.

I have just sent you (July 12th) some more bundles of plants, and a box of cacti; with a few other things in the box. There is a large paper of recent shells, which you will see, are very fine. Found in drift wood below Fort Berthold — Some old carefully. If you can I hope you will go immediately & see to the things personally.

I will write again by the Opposition boat when it returns. I remain ever yours.

F. V. Hayden,

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Rec'd Jan 3d

St Joseph Dec 21/55

Dear Dr. Engelmann.

I have got thus far on my way to St Louis, and this has been with a good deal of difficulty. I could get passen upon but little, and came from the Landing, has been very much bad weather & bad roads. I hope to see you the 1st of Jan. but possibly a little later. I have heard nothing from you since July and very that I could not hear whether my collection got to St Louis safe.

I am very anxious that Mr. Meek should not go on to Albany until I see him. I wish him to spend a few days with me in my Collecting, & wish you would impress upon him the necessity

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of waiting for me. So that he can select such material as he wishes to describe and figure.

I hope you will not fail to see Mr Meek and I hope this letter will reach you before Mr Meek leaves for A. I am well, but I need not say to you that I have had a hard time of it and many disappointments. I have done the best I could in all things.

I write into a glitter as I write see you soon,

Must close yours

F V Hayden

Please give the enclosed note to Mr Meek when he comes

WESTON MITCHELL GARDETT
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Recd Febr 23
Ans March 29

Shortwater Place

Washington Feb 18th 1856.

My Dear Doctor,

I arrived safely at this though the journey was a severe one and lasted a week. My friends however greeted me with great cordiality and among them I find Dr Newberry with whom I am rooming at the present time. Dr N. is at work at his Herbarium which is quite large and entirely different from mine. I have requested him to remember you especially in the distribution of his plants. He also has some fine seeds, some curious seeds of the Pine which are Solitaire &c. Prof Baird is at work on some new Reptiles. Dr Kennerly is translating a very extensive manuscript of Berlandier's of Texas, obtained by Maj Emory. Mr Blake is also here completing his Report. All my Boxes arrived safely at Albany. Mr Mohr writes me that he has already found over 200 new species of Shells, exclusive of Plants. In that Box you sent, Dr Leidy finds a new species — 1 - Hippavion, 1 - Hyopotamus - 3. Rodents, new sp. Prof Baird sent off all the rest yesterday. Lieut Warren has made me an offer which I have accepted. He gives me one thousand dollars

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per annum dating my salary from the 1st of January last. I must be ready to accompany him to the Sioux country by the 1st of May. Every facility will be afforded me not only by Lieut W. but the Army R. so that you may expect a pretty thorough business. Perhaps it would be well not to say much about it. I hope you will look over the Plants as you have leisure. You may expect some nice ones next year. though I find by looking at the collections of the various railroad expeditions & others. that you have no reason to complain but rather rejoice. I have seen whole collections without a single aroot. The specimens do not stick out, because there is not enough of them to do so —

Have you visited my collection without any embarrassment? Let me hear from you as soon as possible all the particulars since I left. I wish you would inquire at the General Distribution for a letter for me.

I have made up my mind that nothing will be done in St Louis and I will try to be ready to make my division in the Spring and send my share to Washington — If it was free I could realize something handsome from it I think — If you find any interesting things in your further search among the Plants. please send to me — Prof Baird was much interested in

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these squirrels &c. I hope you would try to procure me another copy of the Report. I have given mine to Dr Newberry.

Let me know if you hear of any other expeditions going up into that country —

I remain ever yours with sincere respect.

F. V. Hayden.

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Rec'd March 9th
Ans March 29

Philadelphia March 4th 1856

Dear Dr Engelmann,

I am so far on my way to Albany and hope to get to Prof Gray's tomorrow — I am having a very pleasant time at this place with Prof Lindy and others — I have not heard a word from you since leaving you, yet I suppose there must be a letter at Albany for me. My friends advise me not to make my collection so public and Mr Meek does not feel so well about — I wish you would write immediately on receiving this letter how the conditions of things are — Is the door locked

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or is any one permitted to go
who wishes? I feel very anxious
about it? I wish the room
to be closed and no one permitted
to go in, without yourself or Mr
Thornton on present. Please see to
it that this matter is strictly
carried out, Dr Lidy will come
on with me in April and
examine the whole and label
all the specimens — I wish
to trouble you a little — It is a
matter of great importance to
me — I wish you to take
those large slabs with plants
on them and those with flags
leaves and other distinct impressions
a few specimens with some prints of
the fossilized wood, wrap them
up very carefully in a box
and put them with Adams & Co
express for Prof Baird of

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the Smithsonian Institution. It is of the greatest importance to me that it be done — They will be returned when examined: you will have no trouble in getting them from Mr Chouteau — Please do this as soon as possible. Dr Newberry is there and will examine them — Please wrap them in Cotton & paper to prevent rubbing. Lisit Warren pays all freights. And what can you spend daily per year in the Spring. If any one comes along and wishes to stay in the room when you are out with them, please state my request, that I wish no one to be in the room when you or Mr Chouteau are not there;

I write in some haste, but will write again when I get to Albany

Very truly yours respectfully,

F. V. Hayden,

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Please send also the
Prices of Lignite –

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Rec'd March 30
Mum C

Rochester March 25th 1856.

Dear Dr Engelmann.

I have written to you several times since I left St Louis. yet I have not heard a word in reply. I hope nothing has happened and that I shall find things all right with you. I felt very desirous of hearing the state of my collection, but no one has written a word. I am expecting a ~~cop~~ couple of boxes, perhaps a trunk from Council Bluffs in care of the Company. They are of the utmost importance to me as I will explain to you when I come which will be very soon — the two boxes are — a tea box & a cartridge box. I wish you would position the tea box and put them both in the Express office for Mr Meek of Albany.

Please be so good as to see to this

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matter as soon as you receive this letter for they are of more importance to me than all my other things — and throw light on a most important point.

If you hear anything of them please drop me a line at Washington where I will be next week.

I remain as ever yours.

F. V. Hayden.

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Rec'd July 4th

Fort Pierre June 18th 1856.

Dear Dr Engelmann.

I received your long but kind letter of April 25th by yesterday's Mail — together with the package of letters — I have been very much afraid that the letters would fail to reach me before the St Marys would get along and then I could not get them until Fall.

Our plans are now permanently made I believe. Though we have been doing nothing for some time on account of the uncertain state of affairs — Gen Harney has given Capt Warren a detachment of men and the Quartermaster to furnish such transportation

Rc as Lemaqquiad - He will then go up into the Yellow Stone Country as soon as St Cherry comes along -
I think he will be well pleased to do something in Natural History -
I have not got many Plants yet - I am glad you are finding some interesting things among my others - Please let me know as often as convenient. You can send by Mail - You did not tell me whether you sent on those fossil Plants or whether Dr Leidy had been at St Louis - I would like to the result of his visit there, whether he found anything of additional interest - Dr Newberry wrote me about the Fossil Plants I hope you will get time to pack up those large slabs and send them on. We have done a good deal in the line of

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Birds – We sent down 5 Bts
Sinner. a box of 290, Bird
skins and we now have
about 75 more, with some
skulls and skins –
It has been intensely hot here for
many days. Thermometer ranging
from 95° to 107°. While I am
writing the heat is excessive Therm.
105° But little rain. A good
stage of water in Rivers –
The Cacti & Yucca have been in full
bloom for 6 or 8 days – should
any instructions occur to you
let me have the benefit of them.
I hope you will have a fine
visit in Europe as I know
you must have – I wish
you would look into the
value of various forests
& Natural History objects
in Europe – I may go
Stateward on my own

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resources again and in that case I would want to dispose of some there – Please leave me your address so that I can report progress & results to you in the fall – I shall write you again from Fort Union and send you some plants – Do not fail to write as often as convenient.

Please Remember me to Dr Kindly to Mrs Engelmann also to Dr Shumard –

Ever yours sincerely –

F. V. Hayden

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Rec'd Sept 8th 1858

Leavenworth City, K. Ty. Sept 3d 1858.

My Dear Dr E.

We left W. Monday Eve reached St Louis Wednesday Eve. took the cars immediately for Jefferson City and landed at this place Saturday even. Quite tiresome travelling (resit not?) We were quite sorry not to have called on you but we had not time even if you had been in St L which we thought quite doubtful. On our return I hope to spend a day with you looking over those plants. I hope you will try to have a series of them named ready time I return. I will also send you those from W. collected last year and any I collect this trip.

Will you be so kind as to take my letters from the P. O. in St L. and keep them for me until my return? One was advertised for me when I passed through. There are others by this time. We have already made a fine collection of carboniferous fossils and start tomorrow for the interior. We will trace the formations in detail from the Coal, upto the Cretaceous and solve the Permian question

if nothing happens to us. Please remember
me to your kind lady and believe me
am sincerely at your service.
F. V. Hayden.

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Recd Nov 23d
Ans Nov 29

Washington, D.C. November 19th 1878

My Dear Doctor Engelmann.

I have to make out a big list of Plants for Lieut Wheeler. Will you not take the trouble to send me a list of such of the rarer plants as occur to you in My collection? If you can do so, please send it so as to reach me by the 28th. If Mr Bisby to publish it with a paper of his so as to get an appropriation to publish, that is, to show what we have got. We are all here and hard at work.

I know all the common plants trees and shrubs, only send a list of the rare ones.

My kindly yours, in haste,
J. D. Hooker.

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Rec'd Dec 8

No. _____ Smithsonian Institution,

Washington, D. C. December 1st 1858

Dear Dr. Engelmann,

Your letter has just been received - I was rather urgent because Lieut Warren gave me but a short notice to prepare a list of our collections to be published with the Message and documents, I have prepared a list of such as you had named and some of Drs Torrey & Gray, and it has gone in, this is all that I feel can be published. Dr Torrey has been here for a day or two and looked over many plants collected while I was with Warren. I have selected out all composites also the Cacti and wile

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send them to you soon;
If there are any plants that
you would like for your own use
If you will send the remainder on to me
labeled I will select a series for the
Smithsonian. I wish especially a
series for myself — I do not know
how to dispose of the duplicates unless
I sell or exchange. All the plants
now in your possession were collected
I believe when I was with Dr Hayden.
I fear they are not at Warner's disposal
at all. Should you find any
new or rare species, publish them
any where and at any time,
I do not know that anything will be
published this winter. Warner's thinks
not. Yet he wishes me to have
everything prepared — Let me know how
you wish your labels published — I have
made many notes on the geographical
distribution! soil. Geology &c. I would
like to have them go in if possible
But still let me know your wishes.
I will see Warner soon and let
you know again.
My dear Prof
F. V. Hayden

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Rec'd Dec. 17
Ans Jan 5

No.

Smithsonian Institution,

Washington, D. C. December 11th 1858

My Dear Dr Engelmann

The Catalogue came safely to Lieut Warren - It is fine and I am glad you have taken hold of the Plants - I has assured that when you sent the catalogue to Warren he would not know what it meant - I saw him and as I may well know before there is no money to pay for the examination of the plants - Indeed I do not think there will be any money to keep me at work on the Geology - Lt Warren will not promise to pay anything now. I will however do all I can hereafter as he expects to start out again next Spring with a larger appropriation - If you can label a series I would be most glad and

thankful, for they would be a very great service to me. If you have continued the Catalogue I very much wish you would send on what you have even if it is only a page and I will try to get it published - At the request of Dr Warren I prepared a Catalogue of such plants as could ascertain; It is now in the hands of the printer and will be finished about the 20th. I think I could make some changes and additions if you could send on anything before Christmas - I shall go home soon to Nucleistin. I will then get the Basics for you and send on a few other things I have here - Please do not fail to send soon the names of any other plants (you may have determined) write and soon your wishes and I will do all I can - The Diagnosis of new species of Washington I will have published if you do not object.

With sincere regard I remain at your service

J. M. Bigelow

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No. .....

Smithsonian Institution,

Washington, D. C. December 20th 1858

Professor Gray.

My kind Sir;

Your kind favor of Dec 27th is now before me. Dr Englemann has none of my Platte plants. Those in his possession were collected during the years 1853 & 4 along the Missouri river. Those with you were collected in the Black foot country 1855. Yellowstone Valley 1856. Platte Valley, Laramie Hills & Black Hills 1857. I saw Dr Englemann in St Louis in October and told him of my plants here. He requested his favorites, the Cacti & Euphorbiaceae. And I would have sent him those but I am sure there are no additional species. Those with Dr E have been in his hands for 3 or 4 years and I desire now a labeled series as soon as I can get them so that I ~~could~~ can study them and be prepared to take careful notes of their geographical distribution on my next Expedition to that country. I expect to start next April and be absent two years. and I do not think it possible for any report to be published until our return. He has never expressed to me any desire to make out a separate report and I told him that it was

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hardly possible to get any report printed this winter - A few weeks ago Lieut Warren called on me for a Catalogue of the specimens in Geology and Natural History to be published with the President's Message & Documents & I succeeded after a good deal of trouble in getting together a Catalogue of about 500 species of plants. Dr Engelmann identified the principal portion of them, though I was familiar with many species. Prof Dana had elaborated the Corals a year or two ago. 54 specimens. This Catalogue is now in type. ~~and Dr Lovering~~ ~~identified~~ Dr Lovering has been a day or two and identified a number of species - It is now too late to add anything more. Dr E - has been a good friend to me and I should be sorry to have anything unpleasant occur and did not think of any "cross firing" - If you think it best to send him the plants you have I am willing, but only on conditions that they be sent here after the 1st of February or soon after - or at least a labeled series - I will write Dr E about the matter. Perhaps it would be better to send the plants here after you are done with them and I will forward them to him without cost to you or him. If there are any new species I suppose Dr E - would like to describe them - My sole object now is, to get a portion or all properly labeled so that I can study them and familiarize myself with their forms - Any additional specimens I may receive hereafter Dr E is welcome to retain. I hope I have explained the whole matter and that all will be right.

Very kindly and truly yours. F. V. Hayden.

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Rec'd Jan 17th

No. .....

Smithsonian Institution,

Washington, D. C. January 6th 1859

My Dear Dr Engelmann.

I have not been for some long time and would like to know how you are getting along with the plants — I had a portion been which I stored for you in St Louis — It port steamer sent to Dr Sieg to store for me — He will send them to me in a few days and then I will be ready as I hope to study and send a complete series to you for your Catalogue. It is now settled that there will be no report made this winter: but I have no doubt but that Marcy will go out again in the Spring — If you [illegible]

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carry on all the plants in the Stokes Herbarium, which, I fear, will not be for the best. As I said before I would like very much to have a series, but not at the expense of the Herbarium —

Dr Gray says he has a lot of Blanchet from Paris & elsewhere. Hooker & Bentham & Western plants at any price. I would hope that something might be arranged out of my difficulties — You need not purchase to the hundreds & selects from that set unless you prefer them. I hope you will keep a good deal for yourself. We are all well here — Poor Dora is specially a heart or two from her father & Parents — Dr Gray wrote me that he did not wish to interfere with you — It is a pity & that I can't contribute; I simply placed Blanchet labels in the paper for Dr G. to write the names upon & in the index in the hope of a complete series, to have — please write as soon as convenient.

Very truly & sincerely yours
J. B. Ayres

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Rec'd Feb'y 25th 1859
Ans " " 25 "

Washington D.C. February 14th 1859

Dear Dr Engelmann.

I received your kind letter when away from the city on a visit to my friends. I have just now had time to write. I understood you to say that you had sent on a number of pages of the catalogue, nothing has been received by Lieut Warren. If you have not sent it I hope you will send on what you have done as soon as you can. I very much desire to straighten up my affairs before I go out again.

Mr Meek passed through St Louis on his way to Columbia a few days

ago. I suppose he called on you. There is now some doubt about any expedition being sent up into the northwest at all this year.

As soon as I can get time I will send you some other plants that I have here. The barrels I got when home, and will bring you on them when I come.

I sincerely hope you will not fail to send the catalogue and a labeled series + such plants as you do not wish (down so that I can be prepared for my next trip. I shall probably be absent next time two or three years.

There will certainly be no report ordered this winter. A small preliminary report

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has been published, but nothing of any account. I will send you some maps through the War Depart. soon.

All well here.

Very kindly and truly yours

F. V. Hayden.

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Recd April 2d
Ans — 5th

Washington D.C. March 26th 1859.

My Dear Dr Engelmann.

I have just received your kind letter saying that you have forwarded a portion of the plants. I am glad of it for I am very anxious to look them through before I start again - those that Dr Gray labeled for me have been exceedingly useful to me and I cannot bear the idea of going up into that country again without being well prepared to take notes in everything. As soon as I get your labeled plants I will look at them and I think it will be best to send you any thing for a more critical revision. Gray simply wrote the names on a piece of paper in each sheet without notes.

I do not yet know how

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I shall go out to the nest. The
Sec of War does not decide who
will be placed in command.
Warren I think will be appointed
and if so I shall be in St Louis
at an early day, and, as you say
we can talk over matters freely.
In the meantime I wish you would
try to finish the plants and send on the
MS before long. I will have it all
copied and left in the War Depart.
and the original MS returned to you,
There is a terrible stir here about so
much natural history being
published in the Government
Reports. I am afraid the
regulations are now going to be
very stringent in those matters.
When the 10th Vol Pacific & 2d Vol Emory
comes out the excitement will be
passed again and I do not
know how poor naturalists will stand
up under it, I think however that

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in the course of two or three years matters will change so that he can get our papers published again.

Mr Bop of plants has not yet arrived but no doubt will in a day or two.

Dr Hayes of Leavenworth Wagon Road Expedition is here with a splendid collection of plants. I have advised him to send them to you but he is intimate with Thurber and Torrey and desires to send them on them. However he promises to send you, your favorites - I will ask him to make up a bundle and send them with mine, so rare & important - He has a plenty of prepared fruit of the berries of gigantea which is exceedingly palatable - If you have none I will beg a "lump" from him.

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I would like as many blank labels as you may have to spare. But I think I shall not need them until I see you. Dr Newberry is here. has seen your Report — I think Jones' Report will be printed next winter. There is very little money now for anything. The Government so very nearly bankrupt. I hope there will yet be better times.

As soon as I know what course to pursue the coming summer I will inform you.

With kindest regard I remain
Ever Yours —
J. S. Hayden

The Box of Plants has
come in good order.

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Ans April 15
Ans Apl 25

Washington D.C. April 9th 1859

My Dear Dr Engelmann.

Your kind favor of April 5th has just come to hand. I am glad that you are getting along so well with the plants. I will box up all the plants I have here and send them to you in time to reach you before I get to St Louis. We can then look them over together.

I wish that as fast as you get any of the MS. ready you would send it on as I desire to have my MS report uniform. Warren does not go out at all this season. A party home goes into that country under the

command of Capt Raynolds of the Topographical Engineers to be absent two years and explore the whole Yellow Stone country. I expect now to be in St Louis not far from the 1st of May.

Dr Hayes is here still. I will tell him what you have said. He will perhaps send something by me to you.

Dr Newberry may soon go to Fort Defiance to join one expedition to the head waters of the Colorado. to be absent about 4 or 5 months.

Emory's Report is going to be enormous size. nearly 300 plates. large enough for two volumes.

In a few days the whole western matter will be decided.

Yours very sincerely
F. V. Hayden.

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Rec'd May 7th

Washington, D.C. ~~April~~ May 5th 1859.

Dear Dr Engelmann,

Your kind letter of April 26th came duly to hand, I am glad you are still at work on those plants. Inasmuch as I will not leave this place before the 10th or 15th. I would be glad if you could send on any more Mss I would hand it copied. Perhaps though it would be as well to retain it until I come and then I can copy it and send it on,

It will not be published before my return 18 months hence or many corrections can be made at that time,

Capt Raynolds our Commander will be in St Louis soon, He contains the Exploring for the

coming two years. Dr Snyder
of Mo has been appointed
Surgeon & Physician to the party,
while Shaw chaps of the Zoological
and Natural History departments,
I hope to take especial pains
to collect all the plants of the
country as far as possible
especially those in the mountain
country. I will send them to you
that you may describe the new
species and figure them for which
labor I shall make an effort to
have you compensated.
How I will talk over all
matters with you when I
come on, in a few days.
Dr Neuberville passes through
St Louis in about a week, on
his way to New Mexico.
I hope you will see him,
Dr Hayes left a quantity
of material with me which
I shall send you with
my plants.

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He promised me that he would send you news from New York.

Very Sincerely Yours,

J. H. Hayden.

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Rec'd May 31st
Ans June 7

Missouri Min. May 29th 1869.

Dear Dr.

I called to see you just after you had left your house. I am sorry that I could not have seen you again and spent more time with you but it was out of my power - As it is I did not succeed in finishing my business at St Louis but hope to get some time at Leavenworth or St Joe. Please write me at Sioux City or Fort Randall or both places - I will then inform you where my address will then be for the future. Col Vaughan will not leave Planters House until Monday Evening. I would like to have you do me a favor. At the Virginia Hotel I left two new shirts to be washed, company and forgot them - I wish if the Col has left you moved preserve them

I have a paper in the Transactions of the American Philosophical Society. Lately promised to send proof to St Louis if possible. Will you please inquire at the Post Office when the papers are given out, and if you find it send it to me at Fort Leavenworth. I think I would get it.

We are moving on Saturday.

Yours Truly

F. V. Hayden.

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He Dont write so I cannot write any distinctly.

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Rec Nov 28
Ans May 5 1860

Deer Creek. Nebraska. November 9th 1859.

My Dear Dr Engelmann..

On my arrival at the Platte I found your long letter of June 6th waiting one yet receive. I was a long time in the interior when I could neither get or send letters to any one but now we are stopping for winter about 125 miles above Fort Laramie on the Platte. It is a fine place to spend the winter and will be elegant to operate in the Spring — I have collected a good many plants but not many that are different from those that you have already seen. We have had a successful time generally — I am greatly obliged for the fine scolding you gave me. but I do declare that under the circumstances I cannot do much better. I wish I could. but when all departments must receive a share of attention something must be neglected. I will make a somewhat nicer collection this year but I can never explain to you the vexations things which a naturalist must endure on one of Government Expeditions. I will always do the

If you could live on a Prairie dog & buffalo steak I think it would be a great treat.

best I can and regret that I cannot do better. Still I hope to get a pretty fair representation of the Flora of Nebraska.

I will look carefully for all the Plants you speak of, and doubt not I shall get them. I am sorry the Box was in no better condition, but I had no time either in W. or at St Louis to do anything. When I return from this trip I shall spend two years in the States and see if I cannot work up matters somewhat. I have been pressed too hard for the last 4 or 5 years & I cannot stand it. — I shall soon be settled in my room and hard at work. Sometimes in the mountains exploring & hunting. Please write me as often as you can. We have a Mail once in two weeks & a P.O. at the mouth of the Creek. "Deer Creek, Nebraska". care of Maj Lewis Indian Agent. Please remember me very kindly to Mrs E. & your Brothers. If you make out any more of those plants, please send the Mss. direct to St Louis. I will try to send you a box of plants in the Spring. Please write soon —

Adieu your friend

J. H. Ayres.

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Rec'd Sept 25th

Fort Randall. September 16th 1860.

Dear Dr. Engelmann.

You Excellent favor reached me at Fort Benton per Steamboat & I take the earliest opportunity to answer - as also to inform you of our safe arrival thus far on our way to civilization & friends. — We hope to be at Omaha 5th October when the party breaks up - We have passed the mountains in safety. all our party well - Your letter at Fort Benton contained much interesting news to me. My collection of plants is large. & I think rare. I secured one species of Parasitic fungus the Pines. Mr Meek sent me an account of your brothers labours which were of great interest to me. I differed with him in regard to the age of the formations at Deer Lodge & on the Platte - I told Mr Meek to strike it out if he thought best & he did. Even I then heard nothing. finding no letters here

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finding no letters here. — As soon as I get to Washington I will answer your questions & send them to you — My collections are quite large in all departments & my fund of geological information quite large. especially of the mountains — I will not write more now but hope to see you in St Louis about the 10th or 12th October!

In most haste yours.

F. V. Hayden.

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Rec. Nov 20th
Ans Dec 2d

Washington. D.C. November 17th 1860.

Dear Dr Engelmann.

I have now got fairly at work. - all well - the Plants I have just been looking over preparatory to sending them to you - they look better than I expected to find them - you will find a small collection of Dr Cooper & also one made of Dr Hines your party. Dr Hines collected this in the Valley of the yellow Stone I think - but there were no labels - so I labelled them the best I could. All not otherwise indicated were collected solely by me - I hope you will be able to get at them before next Spring, or as soon as convenient. We are all coming together and having a fine time as expected - Your Brother is with us semi times a day & we are at his room which is just over our head. He is now doing a fine work in Meteorology - All as pleasant as possible. If you find new species let me know & I will try to get some money for drawings and if possible pay for your species. Place write soon.

I wish you would look after my box of Books at Dr Wislizenus

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and see that they are all safe and inform me in regard to them when you write or call here.

Ever yours most kindly
F. V. Hayden.

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Acc'd Nov 29 ?
Ans Dec 3 ?

Washington D.C. November 25th 1860

Dear Dr Engelmann.

I have those Plants all boxed up ready to be forwarded to you — but it must be done officially and of course will take time. Capt Reynolds will write you a letter soon so that you will feel authorized to make some demands upon him — At least please request funds to figure all the new & species and let that include the new things obtained in Wamens & Pleasants indeed all the unfigured or not well figured species in that region — Do not make that a point in your reply to Capt R. but request money to figure new & rare species in his collections and trust see that you have it.

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Prof Baird desires you to prepare a complete set of the Plants of the North West for all My collections labeled according to a plan adopted & if least Mr. does not pay you for your trouble the S. I. will. Drs Torrey & Gray are now at work forming a great national Herbarium for the S. I. Prof Baird wishes to know if you will do so. — We are having a good time here now in everything except Politics — Mr Meek has just rec'd a letter stating that Dr Shumard had been supplanted in his position by a Dr Moore — Perhaps you have heard of it.

Yours
J. P. Hallowell

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Rec'd Jan 8th
Ans Jan 10th

Washington, January 4th 1861

My Dear Dr Engelmann,

It has been so long since I have heard from you that I begin to think you may almost be regarded as belonging to a foreign country or to the land of Egypt. At rate so far as any of your Washington friends are concerned it has been so. I am anxious to hear how you are coming on in regard to those plants also. Dr Wislizenus will have them alone, but Capt Raynolds is with Gen Rosecrantz command and when he will be here to resume his work again I know not. Thought he hoped to be here this month. Will you write as soon as you can conveniently and let me know the state of the times with you and the condition of Science in St Louis. I am progressing as rapidly as possible, but I do not think I shall have W. next summer at all. Do you find plants of interest and how near done the Botanical part. Mr Neeb is here at work also, Prof Baird & Prof Henry both well. I see no chance in Smithsonian effort except though near in the only profession that pays at the present

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time – As to my report I do not think it will be ready for publication until the next session of Congress. I do not see how it can be. Still we wish it completed as soon as possible. Whether it will be published or not is uncertain. Still influences may be brought to bear upon that will push it through.

Now present my kind wishes to your family. Do you know anything of Mr Wiman, the artist? Please tell me if you know his whereabouts? I would like to see Dr Hilgard's Geology of Miss. Can you send me a copy or ask him to do so?

Ever yours most truly
F. V. Hayden.

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Ans Feb 2d
Ans March 14

Washington D.C. January 28th 1861.

Dear Dr Engelmann.

I took your letter to Capt Reynolds and he read it as I expected he would. Your first letter would have given him some offence although you did not mean any. The plants have been presented to you per Adams' Express and will doubtless reach you as soon and perhaps before this letter. Capt R. has written you also I suppose. I would like to have you come as soon as you take a glance at the plant. What you think of them.

The prospect is now that matters will be patched up so as to save the border States, and go on all hide swim right as before

it is not considered that it adds anything to the prosperity of the country. The Cotton States in anything and the desire is to get rid of them.

I think we will be in first rate working order in a few months.

What my prospects for the coming summer are I cannot now tell. Something good will turn up I am convinced

Please present my best regards to Mrs E & Sue also to your Brother when you see him,

All well here. No prospect of any reports being printed this winter certain.

Yours truly

J H Ryder

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Rec'd April 12th
Ans June 15

Washington. D.C. April 4th 1861

Dear Dr Engelman.

Can you furnish me a catalogue of Warrens Plants beginning with the Monocotyledons or entering them to the end of the Dicotyledons? You know the Carices from Prof Dewey. Please send it as soon as you can for I need it now. or let me know something about it if you have sent it on. All the Dicotyledons are here.

I do not think I will get my Agency. The Political pressure is too great. I may know as the appointment has not been made

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and my backing is of the best kind — I do not now depend upon it a particle although it has been promised to me — Capt. Raymond has not yet determined what he will do about those plants though I am satisfied that he will do something — I wish you would tell me how many plates you will need to have drawn and what progress you have already made and what novelties you noticed. As soon as matters get a little more settled I will get him to state exactly what he will do.

We are all well and from out work. I have been putting up my office until I am become

disgusted and let it slide
entirely.

Plan quite made and sealed or
let me know the remainder
of that catalogue as soon as
you can. Kind regards to Mrs
Z & Sons.

Must stop yours.

F. V. Hayden

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Rec'd June 24th

No. _____ Smithsonian Institution,

Washington, D. C., June 20th 1861

Dear Dr Engelman.

Your of the 15th came to hand this morning — I thought it strange that you did not write me but supposed that you were so busy that you could not. I was finishing up my report for Warren as he had given me permission to present it to some society for publication — We do not now hope to have anything published by the Government until peace returns — When that returns we hope science will prosper again. But shall we stop work entirely because war is upon us? rather should we not prepare for a time of peace which must come eventually? We will all be losers — I have lost pecuniarily all that I have saved for the last 5 years and I do not expect to be earning anything a great while longer — But I will not be wholly discouraged — I think be

Raynolds will do something towards the Botany, perhaps all that you ask. He will doubtless let you know soon. I have a full Catalogue of Warren's Plants up to the Monocotyledons. The Cactices have worked of Prof Henry, but some of the grasses — I thought you might have the old MSS. of the Catalogue — I know I sent it to you.

We are having wars and rumors of wars all the time — today & has an out crying war — Regiments & troops are pouring in here daily what the end will be I cannot imagine — I think women that the South will find they have imposed upon themselves a task without counting the entire cost —

Prof Henry, Baird & are all well. Meek is at New Haven — We are all at work here as much as the united states & the country will permit — I lost my agency — I do not regret it now. I think I shall come out right in the end —

I will see Prof Raynolds in a day or so and write again — I may see you this summer as I think some of going to Council Bluffs.

My kind regard to Mrs E & son —

Yours faithfully
F. V. Hayden

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Rec'd April 1st

No._____ Smithsonian Institution,

Washington, D. C., March 18th 1862

Dear Dr Engelmann.

I shall completely forgotten that the Catalogue was not just as you prepared it. The whole report with the exception of few paragraphs has printed just as I completed it over three years ago, I am sorry that it could not have been submitted to you. The proof was read by a Botanist in Pa- had very little opportunity to read my own proof. If you will make out a critical notice I will make the proper statements and send it to Silliman's Journal. This will set you right as far as it can be done. I hope you will make out a full list of the plants of the

Missouri and its tributaries making it complete — that will be final and not to be accepted by you.
The Pine you speak of is already on the header of Snake river, bears a nearly scented nut which is much used by the Bannack Indians. also the Snake Indians — I secured some of the nuts, but I am afraid they got lost.
The seed was very the above outline — of course very variable in size and shape It is also about the size of the outline
I will look again amongst my notes and see if any other information can be found.
I have some other copies of the Botanical part — will send them to you if you wish — I hope you will write a full notice of the Catalogue. you shall not suffer injustice by act of mine.
I will send you a complete copy of the memoir as soon as I can get the map which was omitted.
I wish you could send on the notice in time for next month's Journal. Will write again soon
Ever yours
J. M. Hayden

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Rec'd Octob 5

Washington D.C. Oct 2d 1875

Dear Dr Engelman.

I have just returned from a tour to the North West, among the mines of Lake Superior. I saw Col Raynolds He desires to have the report completed at as early a day as possible — I hope you will soon have the Botanical Report ready. I wish that you could make it to include all the plants in the new Territories of Colorado, Idaho, Montana, Nebraska Dakota & Kansas — I am anxious that the report shall be especially for the inhabitants of these

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Oct 20 '65

Territories, I intended to have all the other Catalogues complete – I am hard at work at the Geology will have the Special Geology done in about 3 months –
The military has nearly all left us. We are becoming a peaceable people again and Field explorations will be resumed.
The S. I. is in process of repair very rapidly and will soon be much better than ever before.
I would like to hear from you how you are in Missouri!
I see you have described a new species of Water Lily
I received a brevet of Lieutenant Colonel for "faithful and meritorious services during the war.

Ever yours most sincerely
F. V. Hayden.

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Ans - Nov 22!
Ans Nov 26

Phila. Nov 19th 1866

Dear Dr:

James Stevenson has just arrived here safely - He tells me he borrowed $100. of you which I return in this Certificate of Deposit. inasmuch as the Western Bank has no dealings in St Louis. The bank is safe Sound. I thank you so much for your kindness - I think everything will get here safely - One fine Head of Hyeanodon horridus has come, and a beautiful Skull of an insectivorous Mammal of a new genus. There will be many additions to material already collected, but not much that is new - I am sorry that I

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could not have seen you more and talked with you longer. but I was in a great hurry and you in a still greater hurry, so I hastened on. I hope you will have that Catalogue of Plants ready by the 1st of March. Col Raynolds writes me that he will hand in his report by that time

Dr Leidy and all the scientists have arrived as usual —

Ever most sincerely yours

F. V. Hayden

To Dr Geo Engelmann

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Rec^d Feb 18
Ans Feb 24

Phila. Feb 14th 1867.

Dear Dr Englemann.

I hope you will get the Plant report done in time - I hope you will let it include Sol gas as possible the complete Flora of the Valley drained by the Missouri river and its tributaries, This seems to be the best opportunity to publish such a list and I hope it will be completed.

Pile working away here, I have received the Kansas report of Swallows - It shows his character thoroughly - He is well used up east of the Miss.

Yours truly
F. V. Hayden.

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Recd March 6'

Philada March 3d 1867

Dear Dr Engelmann.

Your kind letter came duly to hand. I am sorry the plant report will not be completed; I beg you to finish it as soon as you can — I shall try to give some account of My Road Trip in July to Dr. Silliman, I wish you would do me the favor to send me, No 2 Vol 1 of Transactions Acad. of Sciences, I desire to bind them and that is all that is wanting. I value them highly — I do not know much of Swallow except that no one seems to think well of him here. I have sent a Suite of My Road

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May 3 '67

Land" fossils to Yale College and one to Boston Natural History Society. Scudder has in his possession, on 50 species of fossil insects collected near Fort Bridger mostly <u>diptera</u>. Tertiary, Monergue county that West.-

Yours Most Sincerely
F. V. Hayden.

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Rec'd March 28th

Washington D.C.
March 24th/86

Dear Engelmann
Can you not
let me have a copy of your
report on the Botany of the
Upper Missouri for my
Geological Survey of
Nebraska. Col Reynolds'
report was sent to Congress
last July - therefore it
will hardly be possible to get
it published. I do not believe
the report will ever be
printed - If there is anything
new in that collection of
plants, it is certainly about
time it was published - I beg
you to let me know in what

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condition your report is on the plants, and what you propose doing with it. I do not know what Reynolds is going to do about it. I am hard at work on my report and hope to get another appropriation for future explorations which will be successful I think. I am doing all I can to work out the geology of the west.

Yours truly
J. V. Hayden

I have a collection of plants here which might interest you.

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DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY
(of the)
TERRITORIES

Washington Dec 3rd 1874

My dear Dr Engelmann-
I find that
my Transactions & Academy of
Science St Louis - need
a Vol I No 2
& Vol III. I have only
No 1.
Vol II is complete. I
have a few duplicates which
I will send back upon
if you need them.
Please send me No 2. Vol I
& all published after No 1 of
Vol II. as soon as convenient.
& oblige yours truly
F. V. Hayden

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