Rec'd June 25
Ans soon

Mt-Carmel, Ill.
June 23" 1877

Dr. G. Engelmann.

Respected Sir!

I send to-day what-few specimens I have left of 2. lyrata, Walt.; the building in which I had my office was injured by the storm, and all the specimens I had collected so far this year were there and were either destroyed or scattered by the tornado, what-few I did get-had been in the rain for several days before I recovered them, this must-excuse me for the bad condition of those I send.

Had quite a number of other plants that-I had intended to send you, but-they are all lost.

I Hope those I send will be of

use to you. Will send other specimens of this Oak if you desire.

Very Respectfully
J. Schneck

Rec'd July 13
Ans same day

Mt Carmel, Ill. July 12th/77

Dr. G. Engelmann.

Kind Sir!

I have just returned from a short botanizing trip, and have a good supply of Q. lyrata, which I send you to-day; I send also the acorns which I took last fall from the same trees that Nos. I & IV were taken from to-day. I saw twelve trees to-day, 4 were of the same type as No. 4, ~~and~~ 8 were as No. 1, & it appears to me that Nos. 2 & 3 are ~~a~~ connecting links from 1 — 4; I will watch for the acorns this fall. The trees are readily distinguished in the woods, No 4 is a much darker green than the rest, especially No I. They all grow ~~on~~ on the borders of low muddy ponds.

along with Catalpa, 2. Paho-
tris, Saururus, &c.
There are some male flowers
on Nos. 2. & 3. which may be
of interest.
Hoping these may be of interest,
I am very respectfully,
J. Schrenk

Rec July 21
ans 24

macrocarpa?

Mt Carmel, Ill. July 20th 1877

Dr. G. Engelmann
St Louis Mo.

My Dear Sir!

Your favor of July 13th at hand. I find no trouble in distinguishing Q. lyrata from Q. bicolor, since I have learned the former; the growth is quite different; Q. lyrata is much lower & more spreading, besides the leaves & acorn are widely different. But I am not so clear on the various forms of Q. prinus & bicolor, the former assumes many variations with us. I send to-day 4 forms that I took within 4 miles of one another. I have the ripe fruit of No. 1. only, which I also send to-day. I have thus far found but one tree

of this form. Do you not think it agree with Michaux's Q. primos var. palustris.? The tree stands in low bottom land.

No. 2. is found most frequently on low open hill-sides, is not rare.

No. 3. is found in low lands along the Wabash river. Castanea

No. 4. is more upland, the leaves are sometimes thinner and more wave-tooth, and is apparently near Q. bicolor. The bark on the two last is smoother and whiter than on the first & second.

No. 5. was found in a pond, the root-leaves were near 10 inches under the water surface. Nymphaea odorata grows there in abundance, Is this the root-leaves of it? If so, has this been generally known to botanists? Nuphar sagittifol ??

No. 6. Sabomba Caroliniana, Gray. found in the same pond.

Potamog

No. 7. Was found in a small stream.

No. 8. When I found this I felt much pleased, thinking I had run on to Azolla, but I am sure by mistaken. It floated on the surface of a pond with Lemna polyrrhiza. Ritzia? Marsh?

Hoping that these specimens will prove of interest to you & that I may be helped out of my muddle,

I am very Respectfully

J. Schneck.

Rec Sept 13
Ans P. C. Sammy

Mt Carmel, Ill. Sep. 12th 1877

Dr. G. Engelmann

Respected Sir!

Mr. Patterson & myself were on a trip yester-day to the Q. Lyrata & Q. prinos district, & were so lucky as to find a second tree of the latter, it is No 2 of the specimens we send to-day. No 1 is from the tree found last year. A very notable feature in both is a heavy mildew on the upper surface of the lower leaves, but is most all rubbed off in the specimes we send. the tree found yesterday is about ½ mile from the other, but in the same tract of low damp ground, and near Q. lyrata. We also send a series of Q. Lyrata, which represents all the variations we could find. The young leaves on No. 12 are very peculiar. We also send specimens Q. bicolor (Nos. 5 & 6.) and Q. macrocarpa. (3 & 4) J. Schneck.

As the trees of Q. lyrata grow some distance from town and it may not be convenient to visit the locality again before leaving here, I send now instead of bringing them by hand.

I will probably be in St. Louis again next Tuesday or Wednesday, when I will call on you again. I wish to solve several knotty questions about Vitis, &c. from Yours Herb. H. N. Patterson.

Rec Oct 6th
Ans same day

Mt Carmel, Ill. Oct 4th 1877

Dr. G. Engelmann
St. Louis, Mo.

Was out among ponds yesterday; & was so lucky as to find the Azolla, which I send to-day. In the same box is a small Lemna, which I have always taken for minor is this correct? There are also a few specimens of L. polyrhiza? On the border of the pond where I found these things, I found a number of trees of Gleditschia monosperma (Nos. 3 & 4) up some of which grew a very peculiar looking Grape? vine (No. II.). No I also grew near the pond, but up tall trees & a little ways from the swamp. Is it V. riparia or

cordifolia? The day after I had sent the last specimens of V. caesticolis I was called into the neighborhood where I found those I first sent you; before your Postal arrived I had compared them and, as you say, found them to be the same species. It is on this point that I have made a great mistake, i.e. in trying to identify all plants I find by the descriptions + neglecting to make comparisons. But it takes experience, + sometimes sad experience, to learn.

Very Respectfully
J. Schneck

Rec Oct 16
Ans — 20

Mt Carmel, Ill. Oct. 14 "1877

Dr. G. Engelmann,

Respected Sir!

I am surprised to learn that the Grape I sent you is *aestivalis*. It surely is an exceedingly variable species.

I send to-day an other Grape, which I found yesterday in low wood-land ascending a tree about 60 ft; It is No. 1.

No. 2. I take to be a *Cara*, you probably remember I sent a *Cara* from here three years ago; this is the first time I have seen it since.

No. 3. is the *L. Michaucii*.

Nos. 4, 5 + 6, are different forms of *Q. lyrata*; the tree that has had the still flatter fruit is not in fruit now, but you have ripe specimens from it of last year. I sent you the last acorns I could find on it the last time I sent you Oak specimens.
Will try to send you fruit of these trees again when they are riper.
No. 7, I take to be *Oenothera fruticosa*; Is this correct?
The specimens, except the grapes, were all taken last Saturday.
The young plants of *Gleditschia monosperma*; they grew in a muddy place, I sent you in my last package, are, I am tolerably certain,

J. Schrenk

Rec Nov 12
Ans — 15

Mt Carmel, Ill. Nov. 9th 1877

Dear Sir!

Please accept my sincere thanks for naming the plants I last sent you. Where are ~~the~~ only Carex written up? I should be glad to see the book, so that I might form some idea how large a number we might have here.

I send you to-day some acorns, Lyrata & Michauxii. The Lyrata that bore the flattest acorns is entirely out of fruit. I also send fruit & leaves fo that Prunus of which Mr. Patterson & I spoke while with you. They were collected Oct 8th. In low bottom lands, trees some smaller than the ordinary form.

The weather this evening strongly leads one to think that field-work among flowers has terminated for this year.

Hoping to hear from you at your leisure, I am very Respectfully

J. Schneck

To Dr. G. Engelmann
St Louis Mo.

Rec Jan 29
Ans by P C

Mt Carmel, Ill. Jan. 28th 1878

Dr. G. Engelmann,

Dear Sir!

Your letter & the plants were received several days since, in return I wish to return my most sincere thanks. I was also very agreeably surprised to find on opening the package of plants, two of your Pamphlets, one on the Oaks & the other on Junipers. I am much pleased to see our "Cinquapin Oak" (as we all call it here) made a distinct species; it surely appears a very distinct & characteristic tree in our forests. I mean Q. Mühlenbergii, Engelm. Every body, and almost every animal, is fond of the acorn; some of our older settlers inform me that in an early day it was a not unimportant article of the diet of some of the poorer settlers.

I send to-day 4 specimens of evergreens; they are cultivated for ornament. I have often tried to satisfy myself as to what species they were, but

always with a feeling of uncertainty. The Pines I have thought may be P. resinosa, tit. but there is such a great variation in the length + color of the leaves between No. 1 + 3 that I can hardly think them the same species; although the body + growth of ~~of~~ the trees appear the same. The Abies (No. 4.) is known as the "Norway Spruce", but it does not agree with the descriptions of A. excelsa that I have consulted.

The "labels" that you found with some of the plants sent you, were sent unintentionally; I did not know they were there.

And now, although we have hardly completed last year's work, the season for 1878 is at hand; I this morning noticed Acer dasycarpum almost ready to open its flowers, but what I commenced to say is this: should you feel disposed to make a trip to the country any time this summer, on a botanizing tour, nothing would please me better than to have you come to Mt Carmel + make your home with us, during that time. + my wife joins me in extending this invitation to your very pleasant + respected wife. We have one son, three years old, + whom we have named Serno, after Mr. S. Watson + hope he may be a faithful student of Nature.

Very Respectfully
J. Schrenk.

Rec June 12

Mt Carmel, Ill June 11/78

Respected Sir!

Your Postal of May 31st at hand, & should have been answered days ago, but I must plead business for putting it off from day to day until it has been in my hands more than a week. By the death of two of our older physicians during the last 9 mo. I have been kept so busy that I have been compelled to neglect many things, especially in the Botanical line. I commenced to make a systematic collection of the Hickories in March, but for want of time, what little collecting of them I have done is anything

but systematic. I employed a man that lives near the P. Chicasa to make a full series of it this season & think I can depend on him.

I am sorry I did not know you wanted a full series of L. lyrata, this season, I could have taken them very easily as it is so near town. Do you want them from this one?

I made one visit to some bayou pond about two weeks since, & was so lucky as to find the Nymphaea in bloom & to decide positively, I think, which one we have; it is the tuberosa instead of the odorata as stated in my list. So much for seeing "Wood's Class-Book" who gives but one - odorata - and I never

thought to go over my identification until botanists questioned it. But I think "flowers scentless" in italics, in Gray should be erased, for it is very decidedly & pleasantly scented. I also found in fine blooming condition the curious Aracharis banadensis, the still more curious seed of which I sent to you for a name some years ago. I have also this season been able to see the V. Labrusca unchanged by cultivation; it was brought from Pennsylvania years ago & now covers an immense trellis in a door-yard; its fruit is now as large as the full grown V. aestivalis. I intend sending you specimens of the Nymphaea soon.

Very Respectfully
J. Schneck

J. SCHNECK, M. D.,
Cor. 3d and Chestnut streets.

Rec June 12
Ans — 12

Mt. Carmel, Ill. June 11" 1879

Dr. G. Engelmann,

Respected Sir!

Our flower loving people are growing quite a number of species of Cacti and are constantly coming to me for their proper names, + I am constantly unable to help them out. I am on the eve of sending to Mr. A. E. Hoote of Philadelphia for that part of ~~the~~ Mex. Boundary Survey that contains your Article on the Cactaceæ. I can get it for about $6.00. Before I send I wish to ask you if this contains a systematic arrangement of the order + table of analysis? Also if this is the best I can do? Or is there something that is cheaper + would do about as well?

Very Truly
J. Schneck.

J. SCHNECK, M. D.,
Cor. 3d and Chestnut streets.

Rec'd Davenport Aug 12th
Ans 13th

Mt. Carmel, Ill. Aug. 9th 1879

Dr. G. Engelmann,
Respected Sir.

I send two specimens of Cuscuta, I make Gronovii out one, but the one least developed I cannot make out satisfactorily. I also send a specimen of Gonolobus obliquus, this is a new species to our State's flora, I first found it last Summer. I examined very many examples of elder flowers, and near 1/3 were more or less tinted red, some appeared to have only one or two red points. All that were red, were also hirsute in the same proportion. I found no other plant that was so decidedly colored as the one I sent you of. & to my great dismay when I went there yesterday to get the fruit, the fence-row had been cleaned, & my elder gone. But I will try to get fruit of other plants. Yours, J. Schneck,

J. SCHNECK, M. D.,
Cor. 3d and Chestnut streets.

Rec'd Sept 24
ans Sept 26 C. ...

Mt. Carmel, Ill. Sept 3rd 1879

Dr. G. Engelmann

Respected Sir:-

I never was more surprised than when your letter informed that my "Gonolobus" was Enslenia; for I had a fond hope that my immortality as a botanist hung on that vine, and sure enough it let me down. I have a number of times found Enslenia albida on steep exposed banks, the whole plant was so much smaller and the leaves so near coriaceous, that I never thought of comparing the plant I sent with it. The plant I sent grew in rich bottom thicket. Enclosed, I send what I have taken to be Gonolobus laevis var. macrophyllus. I went to the woods where I found this last Summer, but failed to find this, again, so I send old specimens. I send two other plants, from a conservatory, of which I would be very much pleased to know the names. Will send ripe pods of Enslenia to Prof. Gray soon.

Respectfully J. Schneck

Mt Carmel, Ill, Nov. 23rd 1874

Dr. G. Engelmann,

Respected Sir,

Your postal was received to-day. *Catalpa bignonioides* is undoubtedly indigenous in this locality and is moderately common in low bottom lands, especially about ponds that dry up in late Summer & Fall. It is occasionally transplanted for an ornamental tree. I have never noticed any difference in the tree. It is extensively used as fence-posts. I will watch it next Summer. Respectfully J. Schneck

POSTAL CARD.

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

POST CARDS
2
1879
FILES.

U.S. POSTAGE
ONE CENT

RECEIVED
ST. LOUIS, MO.
MAY 25
10 P.M.

Engelmann
3003 Locust St.
St Louis Mo.

Missouri Botanical Garden
George Engelmann Papers

Mt Carmel, Ill, Dec. 18th 1879

Respected Sir,

I have to day taken some leaves, bark, wood + twigs of Catalpa. The bark on the lower part of the tree is loose and shaggy, this decreases until the limbs are reached, which are smooth. I also send a specimen in bloom, taken last May. It is found in low grounds in the Wabash bottoms, with the different species of Ash, F. lyrata, fraxinus tris + macrocarpa, Ulmus Americana, Platanus occidentalis, both the Celtis, Gleditschia monosperma, Cat-tia Pantheno accidentalis &c. Let me know if further specimens are wanted, also what your decision is.

Respectfully J. Schneck

POSTAL CARD.

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

U.S. POSTAGE ONE CENT

CARMEL ILLS.

RECEIVED ST. LOUIS, MO. DEC 11 12M.

Dr. G. Engelmann,
3003 Locust Street
St Louis
Mo.

MISSOURI BOTANICAL GARDEN
ENGELMANN PAPERS.

J. SCHNECK, M. D.,
Cor. 3d and Chestnut streets. Rec April 21st

Mt. Carmel, Ill. April 20th 1880

Dr. E. Engelmann,
3003 Locust St
St Louis, Mo.

Respected Sir,

The papers you so kindly sent me are at hand, and as much information taken from them as could be read reading, but the one on the Pines it will be necessary to read & study many time before it is comprehended; I feel that we young amateurs, in botany, owe you our deepest gratitude for giving us this, the result of long & hard labor among the Pines.

"Seem not the framing of a deathless lay
The pastime of a drowsy Summer day"

You may look for flowers &c. of our Catalpa soon, & in the fall acorns of as many species as I can find.

Respectfully
J. Schneck,

J. SCHNECK, M. D.,
Cor. 3d and Chestnut streets.

Rec. April 25
Ans May 6

Mt. Carmel, Ill. April 22 1881

Dr. G. Engelmann,
St Louis Mo.

Respected Sir. Your Postal came yesterday, + it so happened that I had a call that took me near Q. lyrata. The shorter twig is Q. alba, nearly in length Q. lyrata + the other Q. coccinea - all taken near together. These indicate little difference in advancement. I will look on this point further, later. My recollection is that Q. lyrata + Michauxii are both a little later than other oaks. I will report further, although this is hardly a fair thing to judge by, as every thing was held back until about 10 days since. Will send the specimens of Catalpa, in a few days.

Respectfully
J. Schneck

J. SCHNECK, M. D.,
Cor. 3d and Chestnut streets.

Rec May 27
Ans June 7

Mt. Carmel, Ill. May 25th 1882

Dr. Geo. Engelmann
2009 Locust Street, St Louis Mo.

Dear Sir. I send in to-day's mail a bundle of Plants, it contains all the specimens I have of Sagittaria & Buscuta, all I want in return is a specimen of each species & interesting variety the rest you may retain if of any use. I send a number of specimens of Catalpa speciosa. which I collected with the intention of sending long since, but as the Gazette reported you gone to Europe I did not do so at the proper time. I hope they will be of interest to you still.

I received your very instructive notes from Isoëtes at the proper time. During the last three seasons, I have kept an eye-out for specimens of this genus, but so far have never found one; I will try again. It appears, from the plants that usually grow with them, that I. melanopoda & I. engelmannii should be found here.

Hoping that with my next I may be able to send something good in this line I am very thankfully

J. Schneck

Ans Dec 15
Ans — 16

OFFICE OF

J. SCHRECK, M. D.,

MAIN STREET.

Mt. Carmel, Ill., Sep. 14" 1882

Dr Geo. Engelmann
2700 Locust St. St Louis Mo.

Dear Sir.

I send in this mail a box containing some specimens of Mistletoe which I collected yesterday. It bears ripe fruit, and appears to be in full bloom. Am I right in this last assertion? Is the fruit the result of the flowers of last year? I have not had time to compare the specimen of Cretaegus you sent with what I have collected, but will do so soon and report. In the Botanical vol. of Wheeler's Survey you report Phoradendron flavescens var. villosum from Oregon. This would be north of the 40" lat. Do you know any other instance where ~~it~~ this species has been found north of this line?

Respectfully
J Schreck

Cattle

do well

if permit
supporting
mountain

[illegible] not
South east
destitute
Colorado
Comfort
California
Delaware
Calif ?
Oregon ?

Mountain cola [illegible] ? mountain

d.

Cattle to be purchased.
1. Means of Mis. Max. mean fall 4 year 3.00
2. Extremes of Mis. comfy Max. & mis. 4 year 2.00
3. Mean of Mis. Max & mean of Mis. 4 year 5.00

rivers before rivers & blow

Hallock Bill of Imp Office
(Hear)

OFFICE OF

J. SCHRECK, M. D.,

MAIN STREET.

Rec Jan 1st 1883
Ans Jan 2

Mt. Carmel, Ill., Dec. 29th 1882

Dr. G. Engelmann

3003 Locust, St. St Louis, Mo.

Respected Sir.

I was in the woods yesterday among the Mistletoe, and am as badly mixed now as ever. The first thing that I learned, was, that the pistilate plants are much the most abundant. I send in this mail, specimens that have an abundance of fruit, and also pistilate flowers that appear about ready to receive the polen. I send others that bear, what I think, are male flowers. Some of these appear to have polen-grains in them yet. Are these spikes, or the male plants, the bearers of the pollen that fructified the pistilate flowers last Feb., or early spring, and which are now bearing the ripe fruit? Or have these stamen rate, just finished fructifying the present pistilate flowers? If this last question is

not true, then the pistilate flowers are much farther advanced than the stamenate. The stamenate flowers that are wraped in papere ~~ba~~ were taken on the 25th in them. I think you may find pollen. They have been in press since the day they were collected.

Respectfully
J. Schreck.

Rec Oct 20
Ans — 24

Champion Hygro

OFFICE OF

J. SCHRECK, M. D.,

MAIN STREET.

Mt. Carmel, Ill., July 23 1883

Dr. Geo. Engelmann
3093 Locust St.
St Louis Mo.

Respected Sir.

I send, in a box, by mail, a section of a cactus, also a flower of it. The plant is near 3 feet high, spreading and is grown from seed from Texas. The flower opens two successive days the first day it is a bright sulphur color by the second day it becomes a deep orange-red. I cannot satisfy myself which species it is. Will you please help me out. I send another section of a cylindrical cacti. It is grown here by many, and is called the "Braided cactus". I have never known it to blom, although I have taken care of one now for nine winters. Can you tell me what it is? I will keep an eye out for the new Grape

you mention in the ~~Rural~~ Gazette
I will send you specimens if I think
I have found it.

Respectfully,

J. Schneck.