

Rec^d June 25
As per

W. C. Cannel, Ell.

June 23rd 1877

Dr. G. Engelmann.

Respected Sir!

I send to-day what few specimens I have left of *L. 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



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

Very Respectfully

J. Schrick

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Rec July 13
Am Sunday

Mt Carmel, Ill. July 12/77

Dr. G. Engelmann.

Kind Sir!

I have just returned from a short-batizing trip, and have a good supply of 2. byrats. which I send you to-day; I send also the acorns which I took last-fall from the same tree 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 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 1.} They all grow ^{on the borders of} low muddy ponds.



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along with *Catalpa*, *L. palmato-*
tris, *Saururus*, &c.

There are some male flowers
on nos. 2. & 3. which may be
of interest.

Hoping these ^{maybe} of interest,
I am very respectfully,
J. Schrecks

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Rec July 21
at 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* & *Q. 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



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of this form. Do you not think it
agree with Michaux's *S. prinos* var. *pa-*
lustris? The tree stands in low bot-
tom 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 appar-
ently near *S. 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 abun-
dance, Is this the root-leaves of
it? If so, has this been generally
known to botanists? *Nephar sagittifol* ??

No. 6. *Sabouba caroliniana*, Gray. found in
the same pond.

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Potamogeton

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 mistake. It floated on the surface of a pond with *Sagittaria polyrrhiza*. *Ritidaria?*
Marattia?

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

I am very Respectfully
J. Schuech.

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top??



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No 44 13
As P.C. sandy

Mt Carmel, Ill. Sep. 12th 1877

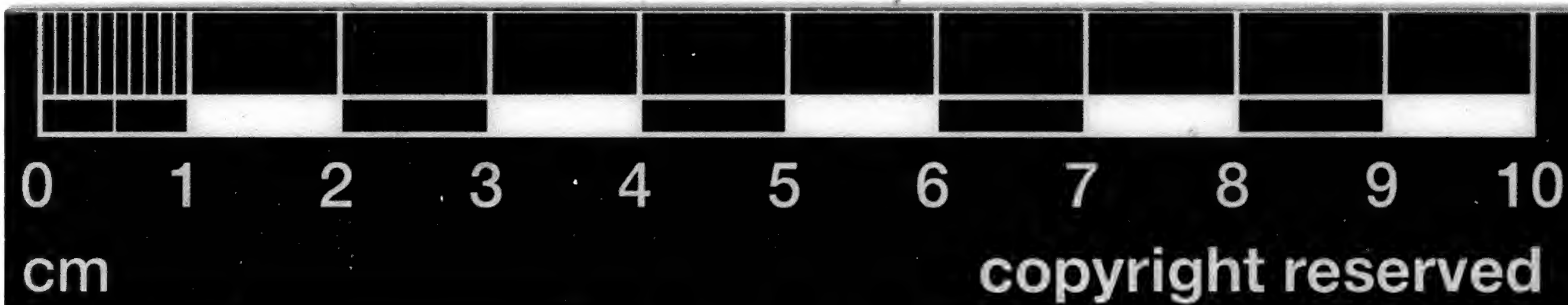
Dr. G. Engelmann

Respected Sir!

Mr. Patterson + myself were on a trip yesterday to the 2. Lyrata + 2. pinos 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 specimens we send, the tree found yesterday is about 1/2 mile from the other, but in the same tract of low damp ground, and near 2. Lyrata. We also send a series of 2. Lyrata, which represents all the variations we could find. The young leaves on no. 12 are very peculiar. We also send specimens 2. bicolor (nos. 5 + 6.) and 2. macrocarpa. (3 + 4) J. Schneek.

As the trees of 2. 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 on Wednesday, when I will call on you again. I wish to solve several knotty questions about Vitis, &c. from H. N. Patterson.
Yours Herb.



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No Oct 6th
Ans same by

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 S. polyrhiza? On the border of the pond where I found these things, I found a number of trees of Gleditsia monosperma (nos. 3 & 4) up some of which grew a very peculiar looking Grape? vine (no. I!). No I also grew near the pond, but up tall trees & a little ways from the swamp. Is it V. riparia or



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cordifolia? The day after I had sent the last specimens of V. aestivolis 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 is this experience, + sometimes sad experience, to learn.

Very Respectfully
J. Schreck

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Rec Oct 16

Am — 26

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 bara, you probably remember I sent a bara ^{fruit?} from here three years ago; this is the first-time I have seen it since.

No. 3. is the L. Michauxii.



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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 acorn
I could find on it the
last time I sent you
Oak specimens.

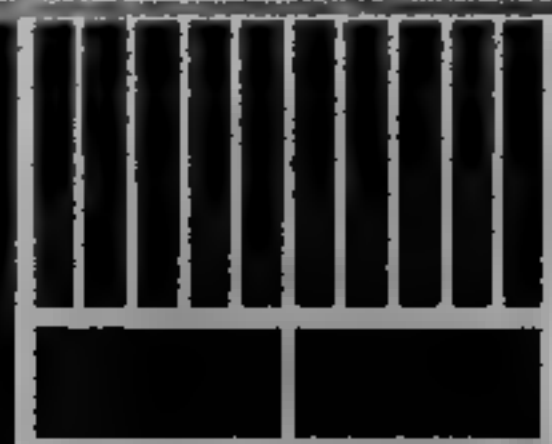
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Will try to send you fruit
of these trees again when
they are riper.

No. 7, I take to be Oenothera frutes-
sa; is this correct?

The specimens, except the grapes,
were all taken last Saturday.
The young plants of Gleditsia,
sent you in my last package,
are, I am tolerably certain,
monosperma; they ^{grew} in a muddy
place.

J. Schrek



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Rec Nov 12
A - 15

Mt Carmel, Ill. Nov. 9th 1877

Dear Sir!

Please accept my sincere thanks for naming the plants I last sent you. Where are ^{any} the curas 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.

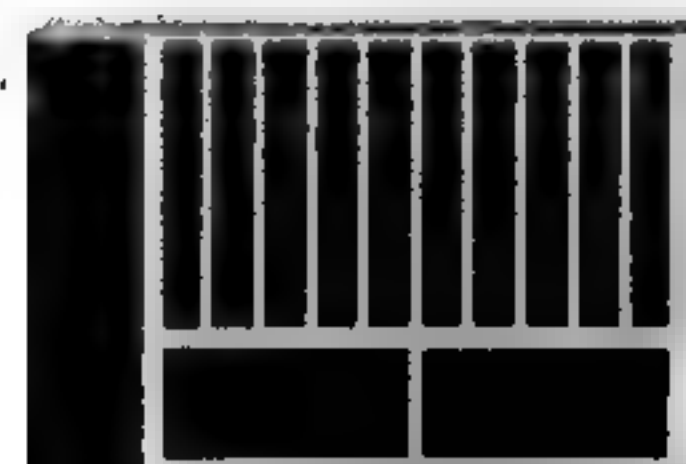
I send you to-day some acorns, Lycota & Michauxii. The Lycota that bore the flattest acorn is entirely out of fruit. I also send fruit & leaves for that Prunus of which Mr. Patterson & I spoke while with you. They were collected Oct. 8th; In low bottom lands, trees some smaller than the ordinary form.

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. S. Engelmann
St Louis Mo.



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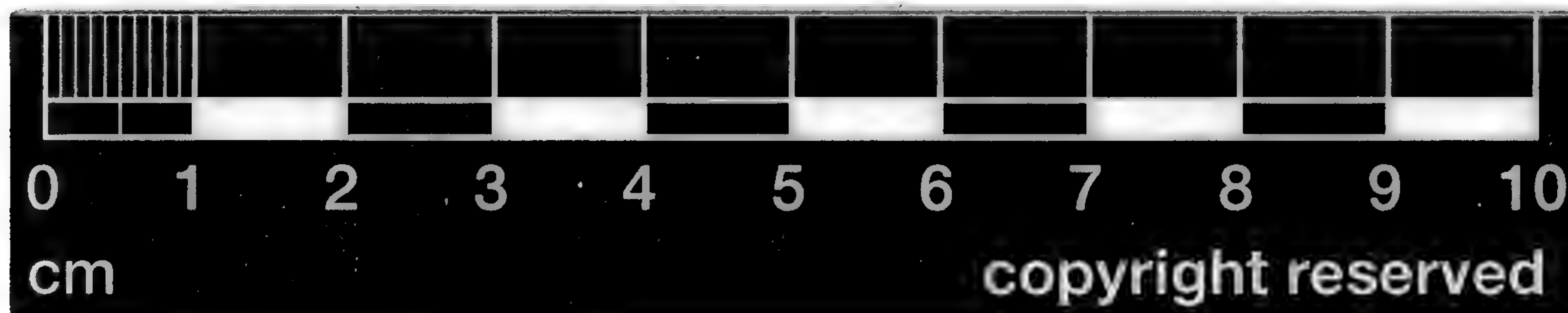
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Recd Jan 30
Ans by A.C.

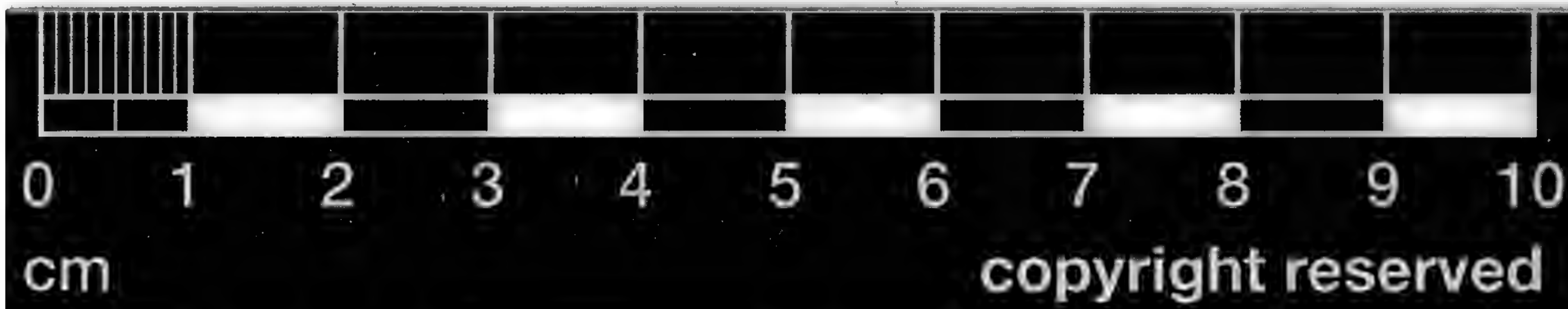
Mt Carmel, Ill. Jan. 28th 1878

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 "Cingrapin 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



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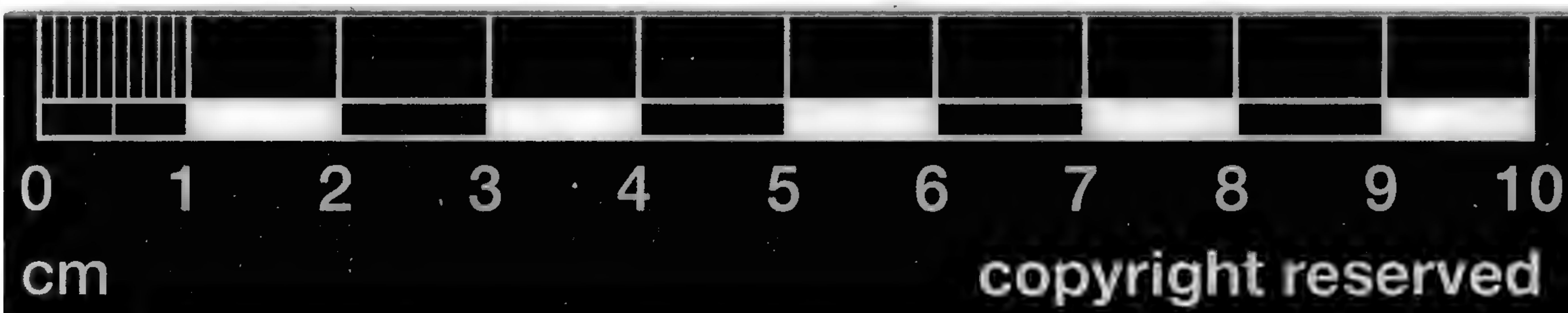
always with a feeling of uncertainty. The Pines
I have thought may be P. resinosa, Sit. but
there is such a great variation in the length
& color of the leaves between no. 1 & 3 that
I can hardly think them the same species;
although the body & growth of the trees ap-
pear the same. The Abies (no. 4.) 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.

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And now, although we have hardly completed
last year's work, the season for 1878 is at hand,
I this morning noticed Scirpus 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
Sereno, after Mr. S. Watson & hope ^{he} may be a faithful
student of nature.

Very Respectfully J. Schreck.

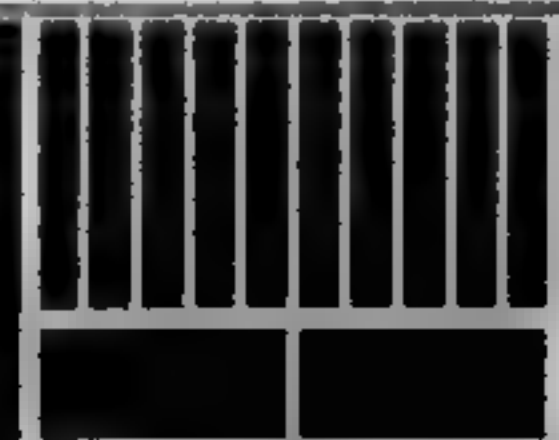


Rec June 12

Mt. Carmel, Ill June 11/78

Respected Sir!

Your Postal of May 30th 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



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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. byrata, this season,
I could have taken them
very easily as it is so
near town. Do you want them
from this on?

I made one visit to some bygone
pond about two weeks since,
& was so lucky as to find the
Nymphæa 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 use-
ing "Wood's Class-Book" who gives
but one - odorata - and I never

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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 Anacharis canadensis, 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. Sabunea unchanged by cultivation; it was brought from Pennsylvania years ago & now covers an immense trellis in a dooryard; its fruit is now as large as the full grown V. aestivalis. I intend sending you specimens of the Nymphaea soon.

Very Respectfully
J. Schumaker



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J. SCHNECK, M. D.,

Cor. 3d and Chestnut streets.

Per June 12
u — 12

Mt. Carmel, Ill. June 11" 1879

Sr. 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. Hooté 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.



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J. SCHNECK, M. D.,

Cor. 3d and Chestnut streets.

Wm. Davenport Aug 12th
1879

Mt. Carmel, Ill. Aug 9th 1879

Dr. S. Engelmann,

Respected Sir.

I send two specimens of Buscuta, I make Gronovii of one, but the one least developed I cannot make out satisfactorily. I also send a specimen of Conolobus 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 $\frac{1}{3}$ 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 cleared, & my elder gone. But I will try to get fruit of other plants. Truly, J. Schneck,



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J. SCHNECK, M. D.,

Cor. 3d and Chestnut streets

Rec. Sept 24
am G. O. C. in by

Mt. Carmel, Ill. Sep 3" 1879

Dr. G. Engelmann

Respected Sir:-

I never was more surprised than when your letter informed that my "Gonolobus" was Eusleria. 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 Eusleria 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 Eusleria to Prof. Gray.
Respectfully J. Schneck



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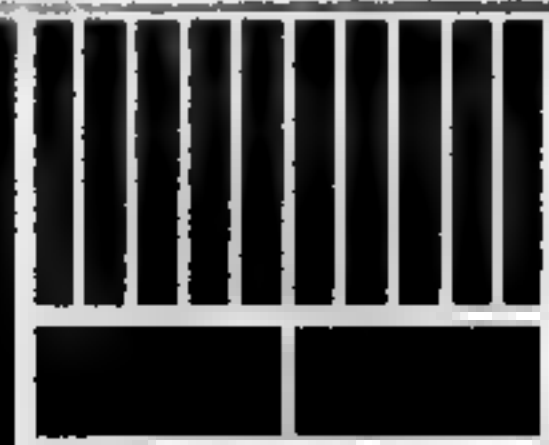
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Mt Carmel, Ill, Nov. 23rd
1874

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 ornament-
al tree. I have never noticed any difference in
the tree here. It is sometimes used as fence-posts.
I will watch it next Summer. Respectfully,
J. Schneck



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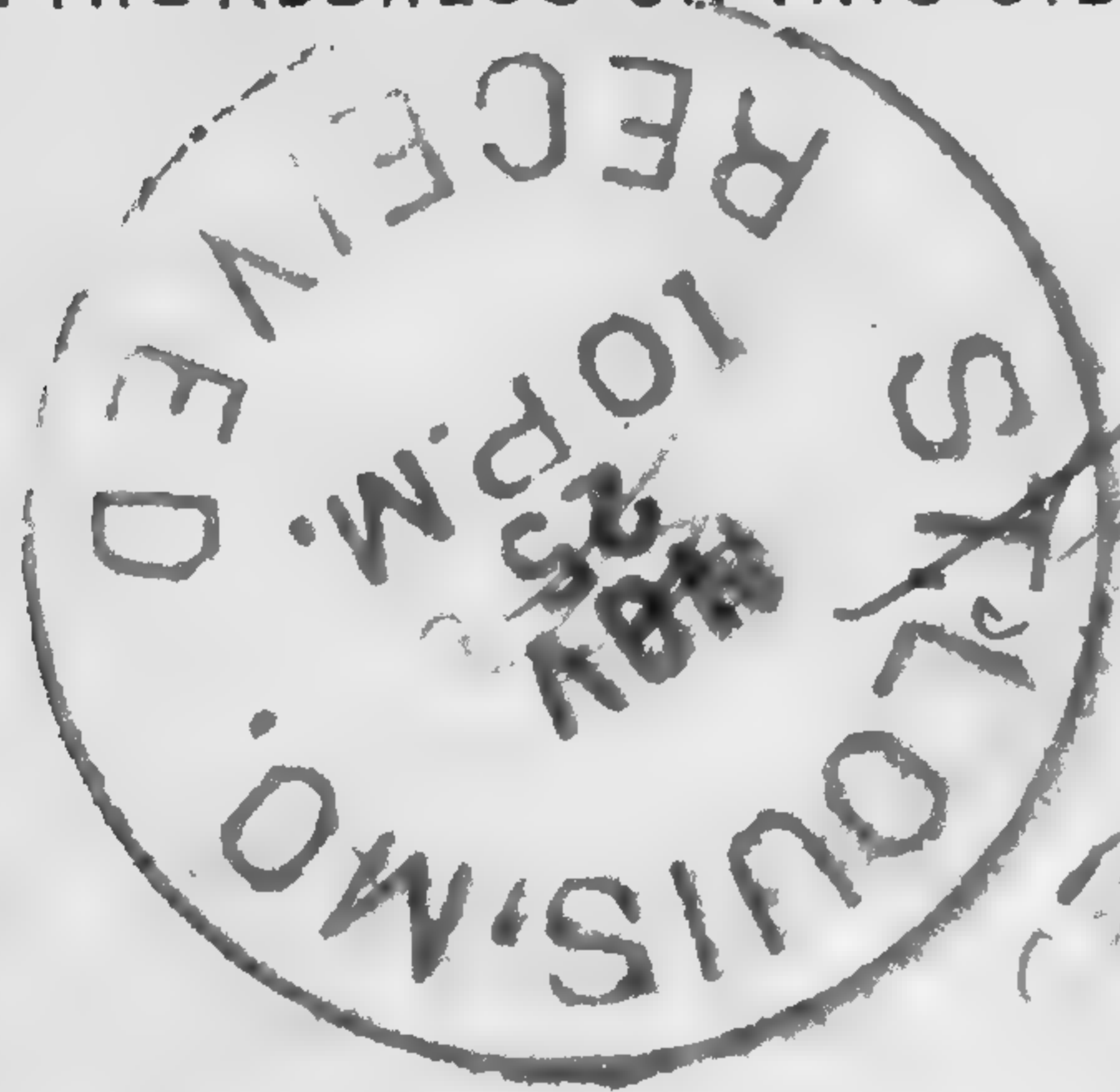
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WRITE THE ADDRESS ON THIS SIDE - THE MESSAGE ON THE OTHERS.



*Engelmann
3003 Forest St.
St. Louis Mo.*

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Mt Carmel, Ill. Dec. 18th 1879

Respected Sir,

^{gross} 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, L. lyrata, fraxi-
no + macrocarpa, Ulmus Americanus, Platanus acid-
talis, both the bellis, Gleditsia monosperma, Celtis
occidentalis &c. Let me know if further
specimens are wanted, also what your decision is.
Respectfully J. Schneck



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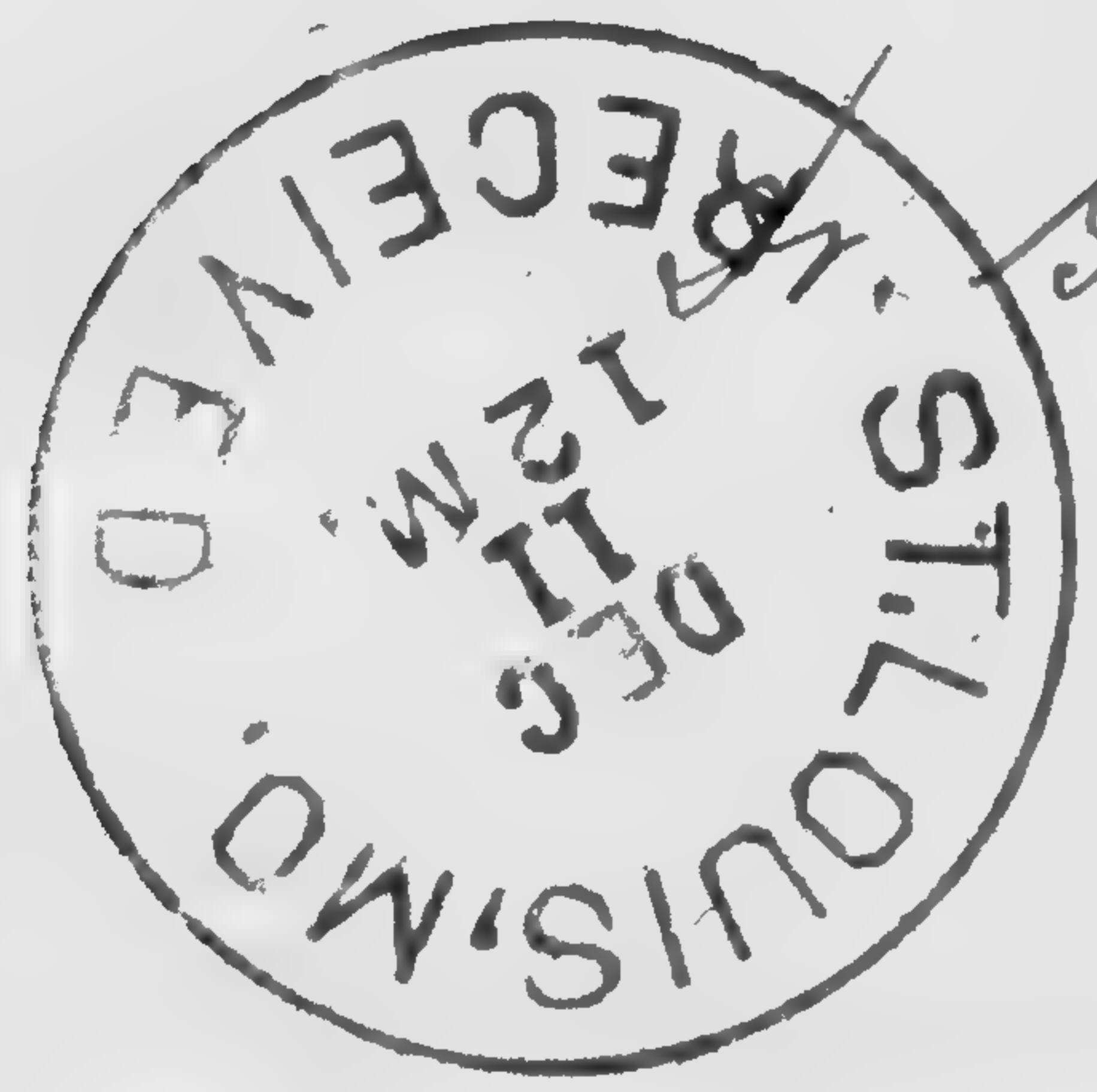
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POSTAL CARD

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



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



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J. SCHNECK, M. D.,

Cor. 3d and Chestnut streets.

Rec April 21st

Mt. Carmel, Ill. April 20th 1880.

Dr. A. Engelm.,

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 I could get by reading, but the one on the Pines it will be necessary to read + study many times 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 etc. of our Catalpa soon, + in the fall Acorns of no many species as I can find.

Respectfully

J. Schneck,



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J. SCHNECK, M. D.,

Cor. 3d and Chestnut streets.

Apr. 25

or May 6

Mt. Carmel, Ill. April 22nd 1881

Dr. N. Engelmann,

St. Louis Mo.

Respected Sir. Your Postal

came yesterday, + it so happened that I had a call that took me near 2. Lyrate.

The shortest twig is 2. alba, next in length 2. Lyrate + the other 2. coccinea - all taken near together. These indicate little dif-

ference in advancement. I will look on this point further, later. My recollection is that 2. Lyrate + Michauxii are both a little later than other oaks.

I will report further, although this is hardly a fair string 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



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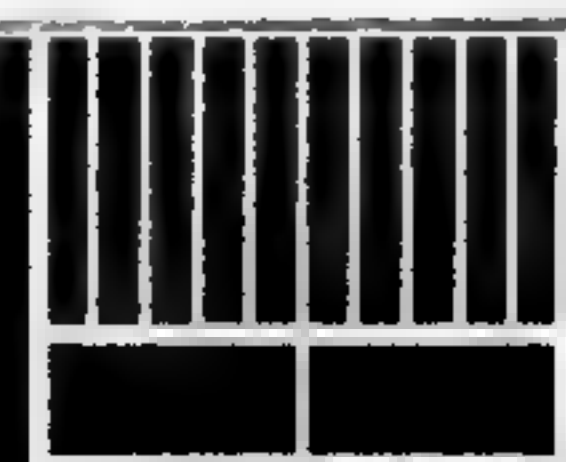
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J. SCHNECK, M. D.,

Cor. 3d and Chestnut streets.

Rec May 27
ans Jun 7

Mt. Carmel, Ill. May 25" 1882

Dr. Geo. Engelmann

2000 Locust Street, St Louis Mo.

Dear Sir. I send in to-day's
mail a bundle of Plants, it con-
tains all the specimens I have of
Sagittaria + cuscuta, all I wish
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 in-
tervention of sending long since,
but as the Gazette reported you
were to Europe did not do so
at the proper time. I hope they
will be of interest to you still.



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I received your very instructive
memoir on our Isoties at the proper
time. During the last three sea-
sons, 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 + *Engelmannii*
should be found here.

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

J. Schneck

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GEORGE ENGELMANN PAPERS



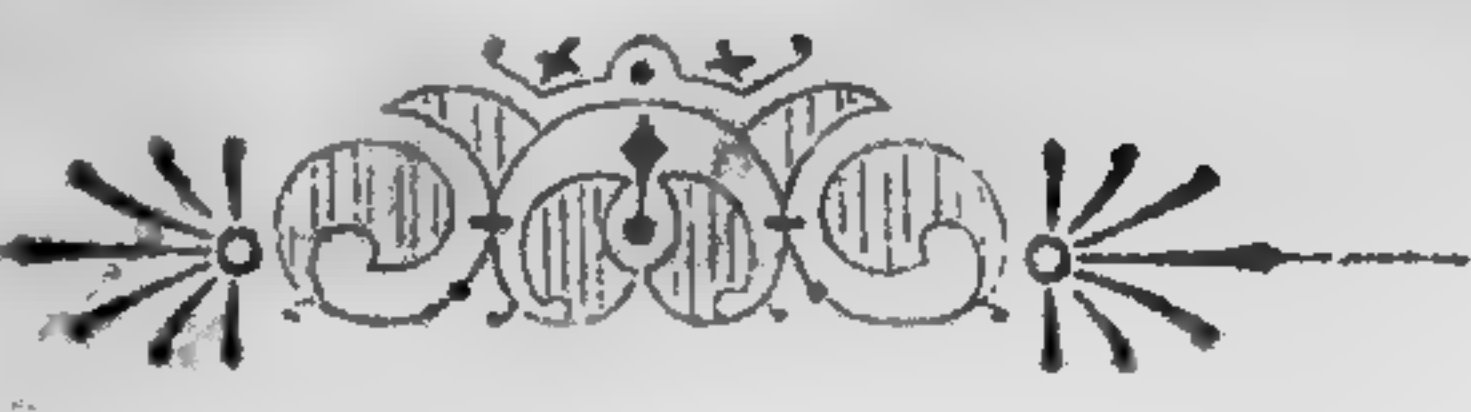
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MISSOURI
BOTANICAL
GARDEN



OFFICE OF

J. SCHRECK, M. D.,

MAIN STREET.



Am Dec 14
Am - 16

Mt. Carmel, Ill., Dec 14th 1882

Dr. Geo. Engelmann
2000 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 specimens of *C. virginica*
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



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Outlines

Do well
riparia
superioris
monticola

(Monticola
South ad
Delaware

not
distich
Colum
Cordif
Cand. pum
Delaware

Calif.?
Ariz.?

Monticola *truncata* ? *monticola*

riparia before ^{or with} *Araria* - bloom


Hillbark Park of Longwood
(near)

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Fishes to be published

1. Means of Min. Max. mean from by 2 years 3-00
2. Extremes of var by Max. & min. 1 year each in which 4 col.
3. Mean of Min. Max. & mean of var 5 days



 Recd Jan 1st 1883
OFFICE OF
J. SCHRECK, M. D.,
MAIN STREET.

Mt. Carmel, Ill., Dec. 29 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 pollen. I send others that bear, what I think, are male flowers. Some of these appear to have pollen-grains in them yet. Are these spikes, on 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 staminate, just finished fructifying the present pistilate flowers? If this last question is



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not true, then the pistillate flowers
are much farther advanced than
the staminate. The staminate
flowers that are wrapped in papers
~~has~~ 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. Schrecker.

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OFFICE OF

J. SCHRECK, M. D.,

MAIN STREET.



Rec'd Oct 20
62 - 24

Chambersburg Pa

Mt. Carmel, Ill.,

July 23rd 1883

Dr. Geo. Engelmann

309 3 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 cactus. It is grown here by Mary, and is called the "Braided cactus". I have never known it to bloom, 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



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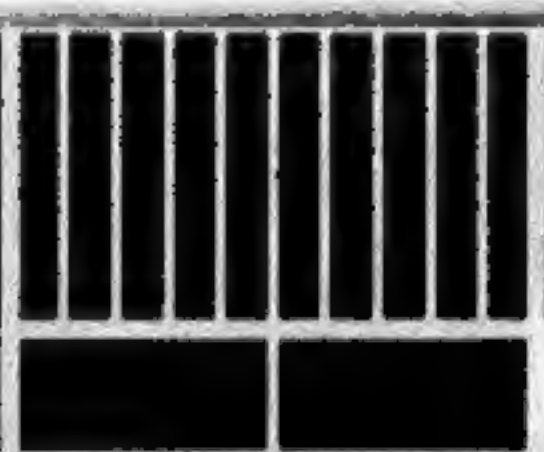


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^{you} mention in the ~~Best~~ Gazette
Will send you specimens if I think
I have found it.

Respectfully,
J. Schreck.

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