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About the Institute

The Hunt Institute for Botanical Documentation, a research division of Carnegie Mellon University, specializes in the history of botany and all aspects of plant science and serves the international scientific community through research and documentation. To this end, the Institute acquires and maintains authoritative collections of books, plant images, manuscripts, portraits and data files, and provides publications and other modes of information service. The Institute meets the reference needs of botanists, biologists, historians, conservationists, librarians, bibliographers and the public at large, especially those concerned with any aspect of the North American flora.

Hunt Institute was dedicated in 1961 as the Rachel McMasters Miller Hunt Botanical Library, an international center for bibliographical research and service in the interests of botany and horticulture, as well as a center for the study of all aspects of the history of the plant sciences. By 1971 the Library's activities had so diversified that the name was changed to Hunt Institute for Botanical Documentation. Growth in collections and research projects led to the establishment of four programmatic departments: Archives, Art, Bibliography and the Library.

UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
GREAT SMOKY MOUNTAINS NATIONAL PARK
GATLINBURG, TENNESSEE
July 14, 1939.

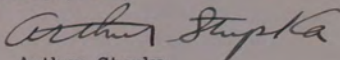
Mr. L. J. Gier,
Head, Dept. of Biological Sciences,
Campbell College,
Buies Creek, North Carolina.

Dear Mr. Gier:

I was very glad to have your letter of July 6 which included a note concerning the exceptionally large timber rattler. I will be glad to have the photograph you mention and hope to see the preserved animal some day. This must represent a record for the species from this region. Do you recall whether the squirrel which was found within the snake was a red squirrel or a gray?

The naturalist positions in the National Park Service of which you inquire are of two kinds. The permanent positions (park naturalist) are under Civil Service and are realized by promotion from the ranks of park ranger, which are also under Civil Service. In other words one would have to take the Civil Service examination for park ranger (National Park Service) and, if appointed, would have to serve for a time in that capacity before transfer could be made. The second kind is the so-called ranger-naturalist position which is a temporary appointment-- usually for three months (summer). These appointments are made from a list of eligibles, the candidates having the best background for nature-guiding work are naturally preferred. In the Great Smoky Mountains National Park there are but two of the temporary positions, which were filled some time ago. Should you be interested in filling out an application form for the ranger-naturalist position for the summer of 1940, I will be glad to forward this to you.

Sincerely yours,


Arthur Stupka,
Park Naturalist.

J. Klima

Völs, Blasiushof.

Tyrol Austria

Feb. 20, 1950

Dear Mr. Gier,

I am really glad to receive your letter. I determine yet moss-mites and so I am interested in moss too, especially in morphology and ecology.

I hope, I can soon send you moss dried or in alcohol conserved, if you want. But I should like to know, what special family or what certain ecology group do you want or would you like to receive all I can give you?

I can send you the moss of the different regions of the Alpine, especially of the high mountains over the wood.

I will thank you for sending by and by the marking moss of the three groups to me.

Our native Moss flora is greeting you with one of their nicest moss *Trichocolea tomentella*.

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Piceetum excelsis near a little brook with
Mnium spec. and *Streptopus*.

Trich. tom. is a sign for always damp soil, Ph 7 - 8, mountain region (until 1400 m)

Yours truly

Jörg Klima

One of my acquaintance asked me to send you also a letter.

Dear Sir,

I should like to exchange moss specimens with you. Something material collected on Excursion I can send. Perhaps you tell me your special interest. I will thank you for referring to the moss in the wood of your region with remarks to their ecology for I am especially interested for forests.

Yours sincerely Dr. Raschendorfer

Dr. Irmentraud Raschendorfer.

Dr. Raschendorfer ask you for sending your answer to my adress.

Trichomanes orthoceras & *Lophocolea*

Andreas
Atkinson
Pogonin

3-27-50 sent

7. *hydropnoid* Clayco + St Genevieve
H. ciliata Franklin + Labrousse
D. scoparia "
T. asprella " + St Clair
Campyl. stellat Iowa
D. pallida Benton
C. americana Iowa
C. purpurea Clayco
Polytrich. pilif Ontario
P. pinup "
C. hypnoid St Genevieve
C. horii "
G. alternata "
H. irrigua "
Tortella humilis "
m. polymorpha Camden
L. gracilis St Clair
A. verticillata Benton
L. hallii Clayco
L. obtusifolia "
W. viridula Crawford Ks
A. heterostich Camden
L. riparium Crawford Ks

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BUILD YOUR FUTURE
WISELY SAFELY
U.S. SAVINGS BONDS



THIS SIDE OF CARD IS FOR ADDRESS

Dr. L. J. Gier
William Jewell College
Liberty, Mo.

Research Division
AMERICAN OPTICAL COMPANY
Scientific Instrument Division
BOX A
BUFFALO, N. Y.
15

Dear Dr. Gior,

I would greatly appreciate a reprint of the following article:

*Shoot-root ratio and moisture relations.
Trans. Kansas Acad. Sci. 1945. 48:205 for
my file on growth.*

Very truly yours,

Oscar W. Richards

UNIVERSITY OF WISCONSIN
COLLEGE OF AGRICULTURE
MADISON, WISCONSIN

DEPARTMENT OF HORTICULTURE

January 24, 1942

Dr. L. J. Gier
William Jewell College
Department of Biology
Liberty, Missouri

Dear Sir:

We have not as yet published the material on relation of top and root growth of plants grown in different environments. We made a brief report at the Dallas meetings. The ratio of root to top does not seem to be related to cultural treatments but rather to the coming of the plant into flower. Root development falls off prior to blossoming.

Yours truly,

R. H. Roberts

R. H. Roberts
Professor of Horticulture

RHR:PD

1819 Bradley Terrace
Belmar, New Jersey
June 23, 1943

Dear Dr. Gier,

I have at last gotten some prints from the negatives and am herewith inclosing them to you. I appreciate the loan of the negatives very much, in fact much more than my promptness has indicated.

As I told you in my other letter, it is next to impossible to get any sort of photography service here. One is lucky to find a roll of film in this part of the country. I got one enlargement of Dr. Wells and myself and prints of Dr. Wherry, Dr. Ricker, Dr. Fernauld and Dr. Camp.

I am in New York occasionally but have never had the time to call on Dr. Camp. I have not seen him since I have been here, however I had a very pleasant day with him a year or two ago in the New York Botanical Gardens. He is a very fine fellow and I enjoyed him thoroughly.

My work here is in the Signal Corps, Technical Publications Section. It is my job to write and edit technical manuals for the various radio sets. I have not done any teaching since I have been here and frankly I am glad to stay away from it.

Again I want to thank you for the negatives and hope that I will be able to serve you some day in the future.

Sincerely yours,

J. D. Roller.

MISSOURI BOTANICAL GARDEN

2315 TOWER GROVE AVENUE

ST. LOUIS 10, MISSOURI

PERSPECT 5567

February 16, 1953

Dr. L. J. Gier
Dept. of Biology
William Jewell College
Liberty, Missouri

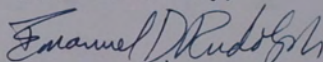
Dear Dr. Gier:

Thank you for sending your revised determinations. I have attached them to the specimens.

About the Sphagnums sent to Dr. Andrews, they were all returned and inserted in the folders when you were here so I am certain that you have examined them. If any others are sent out for determination and they are from Missouri, I shall let you know the results.

Many thanks for the reprint of your article on preparing a Cryptogamic Herbarium it is very interesting and useful. I trust that you are well and that all is progressing steadily on your Missouri Moss work. Please let me know if I can be of any more help.

Yours sincerely,



Emanuel D. Rudolph

November 2, 1949

Dear Mr. Linn

Thank you for the reprints you sent -
a long ago I am ashamed to be acknowledging
them only now. Your list of Kansas mosses
shows an interesting meeting of East & West -
e.g. *Trimmia* always from the East -
G. rancei & *wrightii* from the west. It
reminds me of the curious penetration of
Southwestern culture into Kansas in the
pre-Columbian & Spanish periods. - I
suppose there are not many mosses in
point of numbers of individuals, but those
worthy of great interest.

was your summer at ~~Stange~~
profitable? I often see Don Rogers at the
N.Y. Bot. Garden to recall our two
summers there together. We agree as
to the irreplaceable opportunity to work with
Mr. Conard, to whom I owe almost anything
I happen to know about botany, and a good

deal the hands.

I shall hope to see you at the New
York meetings,

Sincerely yours,

General Sargent

11/19-51

PAUL O. SCHALLERT M. D.
P. O. BOX 262
ALTAMONTE SPRINGS, FLORIDA

Prof. L. J. Bier,
Liberty, Mo.

Dear Fellow Botanist, - In checking out more of my masses I found the included *Fissidens* which I am glad to add to the others I sent you. As I find others I will send them on to you since you are thus interested. Tell me about your S.N. Society meeting, as I too am interested.

You will also be interested to know that all of my mosses and Hepatics are sold. I sent out 1500 Hepatics last week, and this next week-end I will send out 5500 mosses, will be enough sets, packets to make at least 20000 pkts. I didn't realize I had that much stuff on hand as it had been accumulating during past 30 years.

I think all of my algae, lichens, and fungi, at least 10,000 more packets, will be sold before Jan. A good many of my grasses, ferns, and orchids are sold too. So I may soon have room to stir about in my smaller home in Fla. We almost had a frost last night. Forcast wishes Paul Schallert

4/10-52

PAUL O. SCHALLERT, M. D.
P. O. BOX 262
ALTAMONTE SPRINGS, FLORIDA

Prof. L. J. Bier.
Liberty, Mo.

Dear Fellow Botanist:-

would you be interested in any
of the following unbound books
and pamphlets?

List of Canadian Hepaticae
50 pages

Moss flora Russlands p. 126
2 pages of illust.
in German

Canadian lich. Hep. & Musci.
by Macoun p. 318

Connect. Dryophytes
By EVANS
& Nichols.

You can have all for \$5.00

Yours truly

Paul Schallert

I am also including a Hawaiian specimen
Since you are particularly interested in Fissidens

PAUL O. SCHALLERT, M. D.
P. O. BOX 262
ALTAMONTE SPRINGS, FLORIDA

11-53

The books I sent you
don't you think?

Prof. L. J. Bier -
Liberty, Mo.

Dear Bier: While at home this
week-end I mailed to your address
several books of Bryophytes which
I hope you can use. Since I am
over 73 yrs old, but still in good health,
I will very likely dispose of numerous
books and pamphlets in subjects in
which our 4 children are not
particularly interested.

Recently I received a list of fungi
identifications from USDA, and
when I again get home and have
time I will send you another box
of such specimens on an exchange
basis. And you may send me Bryophytes
or vascular plants in exchange
if you see wish.

Yours truly
Paul O. Schallert

6/11-53
PAUL O. SCHALLERT, M. D.
P. O. BOX 262
ALTAMONTE SPRINGS, FLORIDA

Prof. L. J. Sier
Liberty, Mo.

Dear Fellow Botanist - Many thanks
for the fine herbarium specimens that
you sent to me.

I am inclosing 3 more Fissidens
which you may be interested in.

I have many duplicates of the
Hawaiian Musci and Hepatici which
I think the SMS members should have.
How can this be handled best? Can you
insert such a notice in the SMS paper?
Or can I send them to you for your
distribution?

Yours truly

PAUL O. SCHALLERT, M. D.
P. O. BOX 262
ALTAMONTE SPRINGS, FLORIDA

5/8-53

Dear Fellow Botanist,

I am inclosing 2 more
Fossils I have come across in
my Bryophytes, so will send them
on to you as I do not intend to
build up my Bryophytic Collection
again.

Dr. Conrad spent a day recently
with me and we went to nearby
Rock Springs Park to do some
collecting in which he was quite
successful. So if you come this way
do please drop me up and we will
go on the hunt, as Florida is
always a good collecting field.

Yours Truly

Paul Schallert

Altamonte Springs, Fla
Sept 11-1957

Prof. L.J. Bier,
Liberty, Mo.

Dear Fellow Botanist. - I am mailing
via p-post a pkg to you containing 101
Fissifera specimens. You may send me
the \$10.00 at your convenience.

IN going over my duplicate bryophytes
I am amazed at the material I possess.
I said 10000 duplicates, but many pkgs are
way oversize and can be cut to a dozen
and more. It would seem to me, Bier, that
if you had students to help you Repack it and
check all this material you could help some
students as well as yourself in selling sets
of these bryophytes. I have sent out about
my entire herbarium, but so far the many
inquiries are like yours for special sets
only. So that is what I am doing now, breaking
up the herbarium and selling just what is
wanted, mostly thus far ferns, grasses, Sedges,
orchids, and Florida specimens. I think
a Chicago Museum will take all of my
hepatics.

Could you use sets of 100 made up of
all the different groups from algae, fungi,
bryophytes lichens up to flowering plants?
These should make helpful teaching aids.
Yours sincerely

P.S. I am 72 yrs old - my eyes are getting weak
and I will have to stop using microscope. *Paul C. Shelton*

of course if you prefer to buy bryophytes for \$1000.00 I will turn all orders for that price over to you.

Altamonte Springs, Fla
P.O. Box 262

Prof. L. J. Bier
Liberty, Mo.

my Dear fellow Botanist.

Your letter came in just as a trucking company was at my home unloading 2900# of books, cases, and botany specimens, filling three of my 14x14 Rooms so full that I can't go through. So you may well know why I must get rid of most of my 100,000 specimens which I have been collecting and getting by exchanges during the past 25 years.

Now as to my Bryophytes:

I have about 250 different kinds of Hepaticae about 100 from foreign countries with at least over 1000 including duplicates perhaps over 1200.

Musci over 1000 different kinds about 250 foreign and with duplicates over 5000 perhaps 10000.

I will sell U.S. Continental specimens (duplicates) for 10 cts each and all foreign for 20 cts each.

For \$1000 my whole Bryophyte collection which I would guarantee to be over 10000 specimens including all duplicates.

I am inclosing 3 specimen samples so you may judge what the rest are like. 99% of these have been verified by specialists although I have several books on Bryophytes several in German. This will include all the Hepatics for which I already have a request. Yours truly *P. L. Hall*

P.S. I wanted to get this letter off to you for your letter was so full of suggestions and "good will" that I will give you this first chance to get what you desire before replying to any other Requests.

So please do not let me wait too long. I have sent out over 300 of those printed post cards, so I am getting Requests every day - particularly for Grasses, ferns, Sedges, Orchids, algae, fungi, and Regular sets of mixed groups. lately also Bryophytes.

If you are taking the entire lot for \$1000, then you will only need to pay for half now and the rest in one year. Some years ago I sold 15000 for \$1500.

I have been selling small lots ever since.

However, I am not getting poor and I am 72 yrs old, but still work 40 hr a week as Chief Medical officer in the Orlando Fla VA office.

This position too I must soon Relinquish as soon as more M.D's become available. Should you ever come to Fla. please look me up. We have a guest-house waiting for you and your wife.

Most sincerely yours

Paul Schallert

WILLIAM JEWELL COLLEGE
DEPARTMENT OF BIOLOGY AND GEOLOGY
LIBERTY, MISSOURI

July 12 1960

Dear Dr. Schaller

I am in need of some books which I thought you may have for sale. If so, please quote me your prices delivered. I am having hopes of getting some work done in the herbarium next winter. I spent about 6 hours total in it during past 12 months

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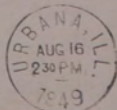
J. H. S.

Mitten 1869 Musci austro-american. Jour. of the
Linnean Soc. XII:1-659

Brotherus 1920 Musci weberbaueriana. Beibl. zu den Botanischen Jahrbüchern 50, Heft 2, Nr. 123:1-22.

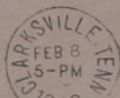
Dear Sir - I had to get a letter from you again.

I do not have the above. I have Thong's in 14 Vol
one in Museum also E. F. Praxel, one in Mosses, but
these not for sale until after my death. I do have
~~two~~ an extra Vol. British Hepatics MacVicar illust. and one
Mosses with hand lens and microscope by Ernst illust. both like new
for \$5.00 each delivered. Just back from collecting trip around
Murphy in West. N. C. collected many mosses, lichens, and vasculars as well.



THIS SIDE OF CARD IS FOR ADDRESS

Dr. L. J. Gier
William Jewell College
Liberty, Mo.



THIS SIDE OF CARD IS FOR ADDRESS

Dr L J Gier
William Jewell College
Dept of Biology
Liberty Missouri



THIS SIDE OF CARD IS FOR ADDRESS

Mr. L. J. Gier,
Campbell College,
Buies Creek, N. C.

The receipt of the following publications is acknowledged with thanks:

- 1) A simple photographic copying device.
- 2) Using lantern slides in the Biol. Lab.
- 3) Bryophytes of Kansas

With best wishes,

Cordially yours,
Ireland Spruce

1000-11-47-36993

Mr. Gier

2-7-46

Many thanks for the maple leaves. I should have acknowledged them sooner, but have been busy with a number of things, mostly connected with preparing to a new job. After this I will be back with the botany dept. at the Univ. of Tennessee, Knoxville (left there 5 years ago). I will have the responsibility for the general botany course and will need to spend the summer getting ready for next year's expanded program. Hope to see you at the St. Louis meeting.
Sincerely,
Ireland Spruce

Department of Botany,
Oberlin College,
Oberlin, Ohio.
May 13, 1940.

Dear Mr. Gier:

This is to acknowledge receipt of, and thank you for your letter of May 6th and the information enclosed. We are glad to have this information for our file.

Very truly yours,

Paul D. Sears

/n

UNIVERSITY OF ILLINOIS
DEPARTMENT OF BOTANY
URBANA, ILLINOIS

February 2, 1954

Dr. L. J. Gier
Department of Biology
William Jewell College
Liberty, Missouri

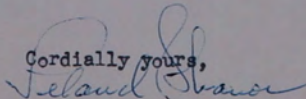
Dear Dr. Gier:

Thank you very much for the reprints which you sent to me recently. I am happy indeed to have them.

Recently I have become acquainted with Dr. White, whom you mentioned was a graduate of your college, and he seems like a very capable young man.

With best wishes,

Cordially yours,



Leland Shanor

LS/mr

THE UNIVERSITY OF TENNESSEE
KNOXVILLE

DEPARTMENT OF BOTANY

28 July 1948

Dear Dr. Hier: - I have just come in from a six weeks
field trip and found your letter and specimen. The speci-
men is an Orthotrichum, probably O. pusillum,
but it needs further study before you list.
I wish you luck with your bryological
work.

Sincerely,
A. J. Sharp

THE UNIVERSITY OF TENNESSEE
KNOXVILLE
DEPARTMENT OF BOTANY

5 Sept. 1949.

Dear Dr. Hier:

You are in the same trouble with your moss no. 872 as I am with some of my Tennessee collections. I can't determine the species without sporophytes. Yours is not a Cirriphyllum; of that I am sure! Whether it is Chamberlainia or Brachythecium I do not see how we can ever be sure without sporophytes!

Sincerely,
A. J. Sharp



THIS SIDE OF CARD IS FOR ADDRESS

Dr. L. J. Hier
Dept. of Biology
William Jewell College
Liberty, Missouri



THIS SIDE OF CARD IS FOR ADDRESS



Dr. L. J. Hier
William Jewell College
Dept. of Biology
Liberty, Missouri

23 Feb. 1951
DEPARTMENT OF BOTANY
UNIVERSITY OF TENNESSEE
KNOXVILLE, TENNESSEE

Dear Dr. Hier: - I believe I recall
telling you at the Sept. meetings in
Columbus that your #3372 as far as
I could see was Fabronia imperfecta.
I happened to run across it again to-
day and thought I'd make sure. I
haven't seen it anywhere but the one locality here.
Regards, Jack Sharp

15 Aug. 1949
DEPARTMENT OF BOTANY
UNIVERSITY OF TENNESSEE
KNOXVILLE, TENNESSEE

Dear Dr. Hier: - Thanks for the
reprints! I have examined your
moss (am still studying it). It is
either a Brachythecium or Chorobes-
lainia and is difficult to determine
without apophyses. Sincerely, A. J. Sharp

13 Aug. 1952
THE UNIVERSITY OF TENNESSEE
KNOXVILLE
DEPARTMENT OF BOTANY

Dear Hier:- Thanks a lot for the reprint: "Shortcuts for the Herbarium".

Sterile Brachythecium (I feel it is this genus) specimens in my mind are relatively worthless for specific determination unless they are unusually well-marked; this one isn't!

I sent the Mexican collections to H. A. Crum at Stanford who recently completed a Ph. D. thesis on Mexican mosses. He put the name on the packets after I got to the genera. He will write you about literature on Mexican mosses. I gave him access to all my Mex. collections as I saw that I'd never get them done. Crum is an excellent muscologist!

Sincerely, Jack

30 Oct. 1952
THE UNIVERSITY OF TENNESSEE
KNOXVILLE
DEPARTMENT OF BOTANY

Dear Dr. ~~Bier~~ :

your no. 5696 seemed to have no capsules, but the tips of the leaves seemed more like Fabronia ciliaris. My F. imperfecta had imperfect peristomes which were unbroken: ~~They~~ could be seen through the operculum. However, I am still wondering whether it is a good species or not. I do not plan to publish on it and the field is yours. Unfortunately the tree from which my type came was recently cut down.

At present we have no vacancy for next summer.

Thanks for the specimen.

Regards, Jack Sharp

CHICAGO TEACHERS COLLEGE

DEPARTMENT OF SCIENCE

Chicago, Illinois, Sept. 27, 1954

Dr. L. J. Gier,
Department of Botany,
William Jewell College,
Liberty, Mo.

Dear Dr. Gier:

Mrs. Sherff has reminded me time and again that I should write to let you know we received your welcome card sent us before you left for Florida. So here goes.

Our contemplated trip to Florida had been conditioned upon my getting a leave of absence, but early in August I was told that it was very doubtful that such a leave would be granted. So Mrs. Sherff urged that we not delay till September, but instead start immediately and go to Lake Louise up in Alberta, stopping along the way wherever we should feel like doing so. Her advice prevailed and I am glad it did. We had a most wonderful time. The weather was perfect most of the time up to our second day at Lake Louise. Rains then began and, while we had meanwhile decided to go up to Jasper and see the Columbia Ice Fields, we thought it prudent to turn around and head for home. This we did, and succeeded in getting back to Chicago in plenty of time for college classes.

I was very sorry just the same not to have been with you and the host of other acquaintances at the Florida meetings. But as it was, Mrs. Sherff and I had a time on the Arkansas Foray that we shall enjoy remembering until the end of our days. We often recall with pleasure the lovely evening at the Ozark Trout Farm, the night on Magazine Mountain, and above all I suppose the delightful trip through the Grassy Lake Swamp.

When I reached Chicago I was informed that another of my monographic papers was in proof at the Chicago Natural History Museum and so I had to jump into the harness and start reading proof (the paper is a revisional treatment of the Hawaiian species of the Araliaceous genus Cheirodendron).

We are having a very warm day here today, as Chicago weather goes. Nearly ninety in the shade. It is not like the cool balmy weather that we had last month for example at Glacier National Park or up at Banff. I suppose if we were perfectly free moral agents to come and go wherever we wished my wife (Fern as I believe we introduced her on our wedding anniversary) and I would do little else but travel around in our car. We love to travel. --This reminds me of the very great hospitality that you and Mrs. Gier accorded Fern by letting her have the pleasure of riding in your car on the Foray. She has often spoken of how friendly and kind and interesting you both were to her. She will never forget the good time she had with you.

Fern tells me that she wishes to add a word or two before I mail this letter, so I shall sign off herewith, wishing you and Mrs. Gier both a happy school year and trusting that we may see you again before too long a time has elapsed.

Yours very truly,

.....*Earl E. Sherff*.....
EARL EDWARD SHERFF

Over -

Dear Friends:..

I think Earl has just about covered everything about our vacation in the Northland. I had a competent person take care of my son in our "retreat" in Mich. so I had no worries. Two wonderful vacations, one in Ark. with you two wonderful companions and then the gorgeous Northland was more than I had ever anticipated. My Sun. Eve. Club Season in Orchestra Hall starts next Sun. with a party in the Gordon Club Hotel. The Teacher's College Faculty had a fine party last Thurs. on the Promontory at 55th St. on the Lake. The Lake was beautiful and I enjoyed meeting some friends again. Hope to see you in Chicago whenever you can come this way. The late-string will hang out to the both of you always.

Yours, very sincerely,

Fern P. Sherff

FROM PROFESSOR J. SMALL

DEPARTMENT OF BOTANY,
QUEEN'S UNIVERSITY,
BELFAST.

DATE 22.11.45

Dear Dr Lier,

I am so glad to find one who has had the apparently necessary training to see from Q.E. VII that the conclusions or 'inductions' are "very obvious". So many people have replied "this is beyond me".

I enclose the details as published for dictions, also two multigraphed items which you can keep for reference, or would be glad to hear whether these also are clear to you. There are many 'dictation rules'.

With many thanks

Yours sincerely

James Small

FROM PROFESSOR J. SMALL

DEPARTMENT OF BOTANY,
QUEEN'S UNIVERSITY,
BELFAST.

DATE, 6.12.46

Dear Dr Gier,

The enclosure will bring you up-to-date with my main Q.E. results. The 3 laws are applicable to all groups, and the 'modifications' of the footnote have been mainly due to elimination of some incipient p-species before they had time to spread over a land surface, thus reducing the proportion of larger (240) genera as shown in Fig. 1 & other PDGS tables of Q.E. viii.

Wishing you a
Happy Xmas.

Yours sincerely
James Hall.

UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON

DIVISION OF
TOBACCO AND PLANT NUTRITION
TOBACCO INVESTIGATIONS

Tobacco Experiment Station,
Oxford, N.C. Jan. 4, 1941.

Mr. L. J. Gier,
Campbell College,
Buie's Creek, N.C.

Dear Mr. Gier:

I would greatly appreciate a reprint of your recent
paper, "Root systems of bright belt tobacco", Amer. Journ. Bot. 27:
760-787, 1940, Illus.

Very truly yours,

1/8/41
T. E. Smith
T. E. Smith
Agent U.S.D.A.

UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF BOTANY

September 25, 1947

Dr. L. J. Gier
Department of Biology
William Jewell College
Liberty, Missouri

Dear Dr. Gier:

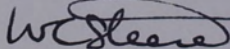
Thank you for your donation of \$5 toward the anniversary volume of THE BRYOLOGIST. This donation will help make possible the continuation of our volume dedicated to Dr. A. J. Grout, and I thank you in behalf of the Sullivan Moss Society from the bottom of my heart.

Thank you also for the reprint of your paper on Kansas mosses. There are a few states which need work more seriously than Kansas, and I am glad to see that you have started the good work.

Your 400 specimens should turn up many interesting species, and I hope that eventually you can put the moss flora of Kansas into good shape.

I am looking forward to seeing you in Chicago.

Sincerely,



William C. Steere
Chairman

S/fg

cc: WWelch

UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF BOTANY

November 20, 1947

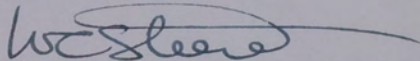
Dr. L. J. Gier
Department of Biology
William Jewell College
Liberty, Missouri

Dear Dr. Gier:

The copies of THE BRYOLOGIST you
wanted are in the mail today.

Enclosed is a list of the
citations on Missouri which I can
find--perhaps some of them will be
of interest to you.

Sincerely yours,



William C. Steere
Chairman

S/fg
Enc.

UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF BOTANY

March 30, 1948

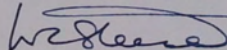
Dr. L. J. Gier
Department of Biology
William Jewell College
Liberty, Missouri

Dear Doctor Gier:

I am sorry to be so slow in getting the complete set of THE BRYOLOGIST off to you, but we have sold so many complete sets that some numbers are exhausted. We are having facsimile copies of these numbers made by a photolithographing process and will forward the set to you as soon as we have the next complete one.

It was nice to see you in Chicago and I hope that your work is going along well on the mosses of Missouri, as you have an area which needs a great deal of additional study.

Sincerely yours,



William C. Steere
Chairman

X(6)
XIX (4+5)

S/g

XL to date

40.4
44.2
45.4

23 4
24 2.5
25 2.3, 4
31 1
9-6

UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF BOTANY

April 28, 1948

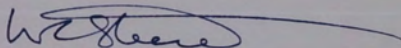
Dr. L. J. Gier
Department of Biology
William Jewell College
Liberty, Missouri

Dear Doctor Gier:

We have gotten together an almost complete set of THE BRYOLOGIST for you which lacks only a few numbers that we are planning to have reproduced in facsimile form, so that within a few months your set will be absolutely complete. We will get this off within the next week and you will receive it long before June 15.

I am sorry to be so slow in this matter, but it is difficult for us to get together complete sets of THE BRYOLOGIST because of the low number of many issues.

Sincerely yours,



William C. Steere
Chairman

S/fg

UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF BOTANY

February 1, 1949

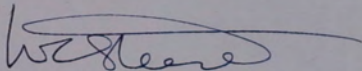
Dr. L. J. Gier
Department of Biology
William Jewell College
Liberty, Missouri

Dear Doctor Gier:

I am sorry that we are so slow in getting the missing numbers of THE BRYOLOGIST to you. We will prod the printer in this matter and hope that we can get these into your hands before too much longer.

The American Bryological Society has just received a very large collection of Missouri mosses collected by a botanist of the last century. Lewis Anderson can give you the information concerning these. I regret that I shall not be at the Biological Station this coming summer, but will be replaced by Margaret Fulford, who could help you a great deal.

Sincerely yours,



William C. Steere
Chairman

fg

UNIVERSITY OF MICHIGAN
ANN ARBOR
DEPARTMENT OF BOTANY

April 7, 1950

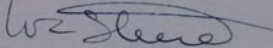
Dr. L. J. Gier
Department of Biology
William Jewell College
Liberty, Missouri

Dear Dr. Gier:

I know that you must be getting tired of receiving so many apologies from me on the matter of the number of THE BRYOLOGISTS missing from your set. The cost of duplicating THE BRYOLOGISTS that are missing has been so great since the price has doubled that we finally had to give up the project. In my letter of April 28, 1948, I felt very hopeful, but when the estimates came back it was necessary to give up the idea of reproducing the missing numbers. Furthermore, many other numbers have now gone out of print and so it would be an increasingly expensive and complicated task. I believe that it will be possible for your library to have the missing numbers reproduced by the photostat process at no great cost. On the other hand, if your library wants to return the incomplete set in the hope of getting a complete one elsewhere through a secondhand book dealer, we will be glad to refund the price, plus the costs of transportation. In a way this would be a good deal for The American Bryological Society, since we are now getting \$75.00 for incomplete sets, whereas we used to sell the complete ones for \$50.00.

I deeply regret the inconvenience that you have been caused and can assure you that our decision was not made lightly. We are sincerely concerned over the impossibility of furnishing complete sets of THE BRYOLOGIST to individuals and institutions that need this important journal and yet I am frankly opposed to tying up our limited funds to an extent that might make it necessary to cease the publication of our journal altogether.

Sincerely yours,


William C. Steere

P.S. We are sending one of your missing numbers under separate cover -- it came in a gift lot of duplicates. Incidentally, any duplicates that you have might be just the ones missing in someone else's collection.

WCS:e

STANFORD UNIVERSITY
STANFORD, CALIFORNIA

DEPARTMENT OF BIOLOGICAL SCIENCES

May 3, 1951

Dr. L. J. Gier
Department of Biology and Geology
William Jewell College
Liberty, Missouri

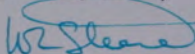
Dear Dr. Gier:

Thank you for your letter of March 3rd, to which I have been giving a good deal of thought, and have asked questions of several members of the executive committee of our Society. It seems that with so many issues of The Bryologist out of print it would be impractical for us to have all of them lithoprinted, in spite of the fairly reasonable cost of each job. You see, there are about twenty issues completely exhausted, and many others which are very nearly so. Even if we had some issues reprinted it would be a question of a very short time until many others were exhausted too. The expenditure of \$300 in order to reprint ten issues would bankrupt our organization, which is hardly advisable.

I am discouraged in my own personal attempt to find the missing issues for you, especially since I have left the University of Michigan. Perhaps it would be better if we simply offered to purchase back from you the incomplete set that you got, which would leave you free to buy a full and complete set when it appeared on the market, and I notice that Stechert and other dealers occasionally advertise complete sets. I was very sorry that your set turned out to be incomplete and have been embarrassed in this way by other incomplete sets which were guaranteed to me by my assistant to be without gaps.

I think that the photostat process is still the best bet for you, especially if you can find issues which have not been bound, and it can therefore be opened completely. I know that this is expensive, but it will enable you to fill out your set at a cost which is not too great. The going price for a set which is not complete is now around \$75, which is much greater than the price you paid for a very nearly complete one.

Sincerely yours,



William C. Steere

WCS:gz

STANFORD UNIVERSITY
STANFORD, CALIFORNIA

DEPARTMENT OF BIOLOGICAL SCIENCES

December 14, 1951

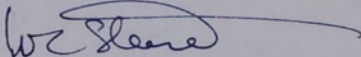
Dr. L. J. Gier
William Jewell College
Liberty, Mo.

Dear Dr. Gier:

You will be glad to learn that the back issues of the Bryologist have finally reached Dr. Anderson, and that very soon he will have them available for sale. I realize that this does not affect those numbers which are missing in your hands, but at least he will now be able to go ahead with a program for reproducing the missing numbers.

I have forwarded to him your letter of October 15th in order that he may take advantage of the work you have done so effectively in getting estimates on prices for such reproduction.

Sincerely yours,



William C. Steere

WCS:gz

UNIVERSITY OF ILLINOIS
DEPARTMENT OF BOTANY
URBANA, ILLINOIS

May 15, 1943

Mr. L. J. Gier
Department of Biology
William Jewell College
Liberty, Mo.

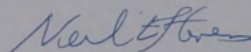
Dear Mr. Gier:

This is written to ask your help in a small "educational" and historical study. I fully realize that by using this method, I am risking what little may be left of my reputation as an investigator, also that I am bothering some very busy people, but I can think of no other means of getting the material I need.

Enclosed is a "rating sheet", prepared by a specialist in "testing" for use in appraising the teaching of college instructors. Will you be good enough to "rate" as objectively as possible, the teacher of botany who most influenced you or seemed to you most influential as a teacher of plant science in your undergraduate or graduate career.

Of course, I should appreciate his name and yours ~~on a sheet~~, but neither is essential. If you wish to rate two teachers, merely use different colors of pencil on the same sheet.

Very truly yours,


Neil E. Stevens

NES:t
encl.

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

January 31, 1949

Dr. L.J. Gier
William Jewell College
Liberty, Missouri.

Dear Dr. Gier:

First, I wish to apologize for not writing you sooner, but I have been swamped with work since my return.

Second, I wish to express my thanks to you and the rest of the college for making my stay so interesting, and for the opportunity it afforded me in visiting your college and getting acquainted with your faculty and student body. It was a most enjoyable experience. Especially, do I wish to tell you and Mrs. Gier how deeply appreciative I was of your wonderful hospitality and courtesy extended me in all possible ways. I surely enjoyed my visit with your family, the good food, and the fine home. A thousand thanks again. I hope Mrs. Steyermark and I will be permitted to reciprocate in some way when you are here.

Third, I have completed the study of the borrowed material, and am now having it returned by parcel post. You should receive it within a week. The material was quite interesting and contained some new records. The record of *Viola canadensis* should certainly be checked by collecting in that locality again, since it has never been found in a wild state in Missouri before. I have botanized the Wallace State Park near Cameron three times, and will try to look for it again around Cameron. Also, the *Ulmus alata* record should be re-collected to see if the tree has been planted or is native there. I have made a note on the sheet that it is far out of its known range in Missouri, and therefore is open to suspicion. Will you please find out, if possible, the date of collection of the *Ranunculus repens* var. *flore-pleno* collected by Shirley Landers. It is new to the state if really escaped and established in that locality, but we must be very careful not to accept as a state record a new plant until it has been carefully investigated as to whether or not it is definitely established. The *Vicia dasycarpa* is the second known collection for Missouri, and I have assumed it has been collected in Clay Co. The *Viola tricolor*, similarly, is new to the state flora if it is truly established and escaped and appearing wild beyond a domesticated habitat.

Fourth, I shall be very glad to help always in the identification and work on the flora of Clay County. One thing that is important in the publication of any county flora record is to be certain that the identifications are exact. It will add to the permanence of the work. I would suggest that before publishing any new lists for Clay county we check the specimens against the known flora of the state as published in Palmer & Steyermark's Annotated Catalogue of the Flowering Plants of Missouri published in Annals of the Missouri Botanical Garden and a supplement to this, and also take into

(over)

consideration the species given in my Spring Flora. In this manner your students will avoid making identifications of plants that don't occur in the state. I noticed, for example, in the "Flowering Plants of Clay County" a number of instances, but more especially in the list of your "Additions", where the species published actually is not known from the state or is an erroneous record. We would do better in the future, then, to check first all the known records against the new collections made, and I shall be happy to check these for you in case you wish to publish them for future lists.

For example, in the "Additions" *Iris caroliniana* is *I. virginica* var. *Shrevei*, *Populus nigra* is *P. deltoides*, *Quercus lyrata* and *Q. nigra* are wrongly identified, and there is no *Q. texana* or *microcarpa* known as such in Mo., *Polanisia trachysperma* is *P. graveolens*, *Viola latifolia* (not known in Mo.) proves to be *V. papilionacea*, *Cicuta maculata* proves to be *Conium maculatum*, *Ilysanthes attenuata* proves to be *Lindernia dubia*, *Anthemis arvensis* is *A. Cotula*, *Sonchus arvensis* proves to be *S. oleraceus*, *Coelorachis cylindricum* is wrong, there is no *Equisetum fluviatile* in Mo., *Elymus villosus arkansanus* is *E. virginicus*, *Festuca sciurea* proves to be *Poa pratensis*, *Lolium multiflorum* proves to be *Agropyron repens*, *Lilium Grayii* (not known in Mo.) proves to be *L. michiganense*, etc. Similar errors I have got down for the "Flowering plants of Clay Co." where, for example, the *Festuca elatior* proves to be *Diplachne fascicularis*.

I believe I can be helpful to you in the future, and will be glad to check any and all specimens that come in against critical study of the material here. Actually, lots of these determinations have to be made against careful comparison and study of herbarium material already authentically identified.

I congratulate you on the great activity you are arousing in your students and think you are getting some very encouraging results. Witness the number of new county records already amassed by your students in the specimens collected by them. Continued success to you and the students in this work!

I will send you a list of the localities by the numbers of the mosses I gave you. These will be sent in the near future.

I did not sleep well on the train on the return trip. In fact, I didn't sleep at all, trying out an upper berth this time. I was just not used to the train ride.

Let us check again on the "Redwood" this year. I feel certain that it is the Bald Cypress.

With pleasant memories of my visit in Liberty with you and the rest of the staff and student body, and with best wishes to Mrs. Gier

Sincerely yours,

Julian A. Steyermark

Julian A. Steyermark
Associate Curator of Herbarium

March 21, 1949

Dear Dr. Gier:

Since our last letters crossed, perhaps this one will get to you first for an answer.

I was away during the past two and a half weeks to the herbaria in Washington, D.C. and New York to study certain Guatemala and Missouri collections, and to borrow the specimens from their institutions for study here.

Before being able to answer your last letter concerning dates for field trips, I had to learn first what the plans were for one of the botanists from Washington, D.C. who had planned to visit our herbarium this spring. Since he is coming this week and leaves the first of next week, there will be no problem, and I have completed making my schedule for this year's trips.

You wondered if I could make the May 13-16 time suitable for our getting together, so I have scheduled a week of my vacation (which I will use, of course, for collecting trips) from May 14-21 to be in your part of the country. I will plan to botanize parts of Clay county with you between May 14-16. During this week I will plan to be in Platte, Lafayette, Chariton, Johnson, Sullivan, Clay, and other counties, if possible. On this trip I wish to make a special effort to look for the *Viola canadensis*, the locality for which on your label appears as from open woods near Cameron. I wish I knew just where it might be looked for, possibly Wallace State Park, where I have botanized several times; that would be a likely place.

We will try to get into some of the wilder parts of Clay county and hope to add many new county records.

This next week I am looking in parts of northeastern Missouri for additional county records for *Trillium nivale*, a rare species in the state.

Wishing you a prosperous and pleasant semester, and with kindest and best wishes to you and Mrs. Gier,

Sincerely yours,

Julian A. Steyermark
Julian A. Steyermark

Earl Wills 413 W 6th St. Cameron

3/22/49
WWS

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

May 5, 1949

Dear Dr. Gier:

Have been terribly busy with my field trips to Missouri and with Museum and gardening activities. Have been collecting lots of mosses for you. These and the collections of 1945-47 I will have to show you when you are here later in the year.

Mrs. Steyermark will leave with me for the projected trip. My time for the trip will be between May 14 and 23. We will leave from here the afternoon of May 13, arriving at Liberty sometime the following day. We will botanize then with you, either that same day, if time permits, or will wait to start on the 15. I hope you can get off the 16 and 17. My schedule during the time I will be away calls for visiting Clay, Platte, Lafayette, Pettis, Chariton, Dekalb, Macon, Gentry, Johnson, and Sullivan counties, and the Viola canadensis locality in Clinton county. Of course, I may not be able to get in all these places, but there is important exploration work to be carried out in these counties at this time of year.

As I understand it, Mr. Holt will accompany us, and Mr. Treaster will also be along. I will be glad to have these gentlemen along with us. For our trips in our car, it is so full of camping and collecting paraphernalia that there is room for just Mrs. Steyermark and myself. So, I expect that whatever second car is along will be able to transport Mr. Holt and Mr. Treaster. We plan to camp out and cook out each night of our trip, except for those times you have so kindly offered to have us stay with you and Mrs. Gier. I presume you plan to return to Liberty each night we are away on the trip with you.

It would be well to plan our trip with you so that we can visit two or three localities in Clay county each day, or take in the localities in Clay county one day, and Platte county another. There is so much to do that we cannot stay at any one locality too long, although we do want to give it a fair bit of exploration for county records.

Looking forward, then, to the latter part of next week,

Sincerely yours,

Julian A. Steyermark

Julian A. Steyermark

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

May 26, 1949

Dear Dr. Gier:

Many thanks to you and Mrs. Gier for making our stay with you so pleasant and profitable. We certainly enjoyed your kind hospitality and appreciated all you did for us. Hope we can reciprocate soon. It will be a pleasure for us, I'm sure.

A very successful trip was completed, despite the ill weather; we returned on Monday, May 23. We had rain on every day of the trip except Friday. Sunday was the windiest experienced in many a day. We didn't know anything about the tornado that struck Cape Girardeau that day, but sensed that something was wrong somewhere, judging by the intensity of the wind. You and Mrs. Gier would have laughed that day watching us try to change driers in all that wind. Of course, being away from newspapers and radios all the time we had departed from Liberty made us innocent of any news events. We were relieved to find that rain had fallen on a few occasions in our own area during the time we had been away. We stayed under shelter five of the nights we were out in Knobnoster State Park, Pershing State Park, and Van Meter State Park. At the latter was a picnic that evening of the science class teachers and their families and some students from Missouri Valley College from Marshall. At Knobnoster State Park we ran into picnics held by Warrensburg High School and Knobnoster High School, so it was not too quiet, except that the group left in the evening to let us sleep. I had to collect in the rain a few times.

The best finds were the two new to Missouri: *Robinia hispida* from Platte co. and *Euphorbia Esula* from Chariton co. Then the *Aquilegia canadensis* f. *flaviflora* from Clay co. and *Juncus balticus* var. *littoralis* which I found in Johnson co., the second record for our state. Then, besides these, I got hundreds of other new records from Sullivan, Chariton, Pettis, Johnson, Lafayette, and Clay and Platte counties. Found a marvelous series of deep ravines in a remote part of Sullivan county covered with thousands of *Osmunda Claytoniana*, and bracken fern (at its northernmost limit in Mo.), besides large yellow lady slipper orchids and *Orchis spectabilis*.

You will be interested to know that the "red paint" which we found in Clay co. I had examined by Dr. Drouet and he identified it as *Sphaerella lacustris*, a green alga (*Chlorophyceae*) with red pigment. It is not too commonly collected, either.

I grabbed a few mosses and hepatics for you from the various counties I worked, so you will have an opportunity of examining them when you come here, or I can send them to you when you are ready.

Please thank Miss Thomas, Mr. Shafer, Mr. Holt, and Mr.

Treaster for the various courtesies afforded us.
(over)

Tell Miss Thomas to continue to keep her eyes roving in search of more interesting items, and we will add quite a lot of species to Clay county.

As you are well aware, field identification of some species does not wear well, and I was mistaken when I told you that that Hedeoma species was acinoides. Actually it is the common H. hispida, and I kept finding it in all the counties I visited. I thought afterwards, why I've told Dr. Gier and associates that we had found H. acinoides, whereas actually it was the common H. hispida. Miss Thomas will get a "kick" out of this, I'm sure. Also, the annual Poa we found on the slopes of Mt. Nebo is a good find. It is Poa Chapmanniana. I found it also in several more counties after I left you.

This weekend will be on a float trip in Texas county, surveying the area of Big Piney river. Maybe I can pick up some mosses for you like the little boy from Jackson county.

Thanks for the Iris and everything and with many pleasant recollections of our trips together.

Cordially yours,

Julian A. Steyermark

Julian A. Steyermark
Associate Curator of Herbarium

P.S. Everytime we found good prairies in the bottoms and along the railroad tracks in every other county I visited on this trip, I told Cora that we should send you a telegram telling you to come and see it. We found many fine displays of prairie flowers. I feel almost positive, judging from what I have seen in almost every other county, that sooner or later you or I, or both of us, will find some good prairie places preserved along railroad right-of-ways in Clay county. By the way, in Sullivan and Adair counties I found some wonderful stands of Tradescantia bracteata, including the rare all white kind.

J. A. S.

July 11, 1949

Dear Dr. Gier:

I have assembled my 1949 collection of mosses thus far made and placed them in packets for you. They have gone off by mail today and should reach you before you leave this week. I have been so busy that I have not been able to get them assembled before this. You still do not have my 1946, 1947, or part of 1948 collections. I do not know when I can get to them at present, because they are mixed up with my phanerogamic collections for those years.

I had hoped that you would be here sometime this summer and could pull them out of the folders. Are you entertaining any plans yet for coming over to Chicago? We had hoped to see you. If you do get to come, I will let you have access to those 1946-1948 collections that I have not yet had time to go over. Otherwise, they will have to wait until I can get to them. Sounds as if your Missouri moss work is progressing very well. There should be some interesting new records among the mosses I am now sending you. Each packet is pencilled with my collection number. I am enclosing the list giving the counties for those numbers. At a later date, I will have to send you the specific localities, but for the time being I thought you'd like to have the county anyway so as to be able to place a dot on your distribution maps.

With best regards to you and Mrs. Gier,

Sincerely yours,

Julian A. Steyermark

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY

ROOSEVELT ROAD AND LAKE SHORE DRIVE

CHICAGO 5, ILLINOIS

August 31, 1949

Dear Dr. Gier:

Have been so busy on field trips and other matters that I have not answered your letter of August 15 as soon as I had planned to.

Enclosed is a type of map you could use for your work. The ones originally printed had only 9 Missouri forms, but the one enclosed has 15. You can have as many or as you as you wish. The original metal block belongs to Mr. Ernest J. Palmer, 321 South Main Street, Webb City, Missouri, and he might loan you this for your work if you write him and suggest that I referred you to him.

Your method in the looseleaf note book seems very logical, and should prove useful. Perhaps you could use these maps somehow in conjunction with your specimen data.

Hoping to see you and Mrs. Gier up here this fall yet.

With best wishes,

Sincerely yours,

Julian A. Steyermark
Julian A. Steyermark

P.S. Did your yellow columbine seeds germinate? I had 3 seedlings come up, but I fear they have been washed away by the rains this summer.

SEP 8 AMSD

October 10, 1949

Dear Dr. Gier:

I got back from a week's trip (Sept, 24-Oct. 2) in the White River section of Mo. on a plant survey to rescue records to be flooded in that area by the Bull Shoals dam. Got Callicarpa americana new to the state. Palmer, Buhh, and I have been hunting for this all our lives, and now finally I have located it. It is abundant where it occurs in Taney county near the Ozark county line, but will be entirely exterminated when the dam comes in. Oh, those awful dams!

I have collected all through the areas you plan to be in, but you might get some good October records of various compositae and gentians wherever you happen to see them in those counties you pass through.

In St. Clair co. there are good sandstone outcrops where you might find good mosses in T 36 N, R 28 W, sect. 36, 3 mi. southwest of Birdsong. Along highway 54 there are prairie slopes along a ravine between Birdsong and highway 54. There are good sandstone glades in this county south of Birdsong, also 2 1/2 mi. northeast of Roscoe, sandstone bluffs on the north side of the Osage River, south of Monegaw Springs, 2 mi. north of Oyer, a natural upland prairie 2 mi. north of Iconium, a limestone glade on the headland south of Osage River, 3 1/2 mi. north of Iconium in T 39 N, R 24 W, sect. 10.

In Hickory co. there is a good prairie 1 mi. south of Cross Timbers, another at Wheatland. The limestone bluffs along the Little Niangua river, east of Jordan, are good. There is a good upland limestone glade 2 mi. west of Hermitage, some good northwest-facing limestone bluffs along Pomme de Terre River with chert above, 3 mi. northeast of Elkland.

In Henry co. there are many good localities: one is a prairie between Lewis and Clinton, another a prairie about 2 mi. SW of Calhoun, there are sandstone bluffs along fork of Nebo Creek, at "Slack Spring" just east of Calhoun, limestone bluffs along Grand River, 3 mi. NE of Finey, sandstone bluffs and slopes along Pretty Bob Creek, by Peeler's Spring, sect. 1 and 12, 1-2 mi. SE of Gaines, another good place is Warrensburg sandstone bluffs and ravine along Sand Creek Spring in T 43 N, R 25 W, sect. 21, 4 1/3 mi. NW of Calhoun (lots of mosses here), sandstone bluffs along Grand River on Old Adamson place (now the Arnold place), T 40 N, R 25 W, sect. 6 and 31, 3-4 mi. north of Brownington,

In Benton co. some good areas are prairie 3-5 mi. north of Lincoln, rocky upland glade 5 mi. north of Warsaw, south-facing limestone bluffs along Osage river, T 40 N, R 23 W, sect. 31, 2 mi. NW of Wiadom, south-facing limestone bluffs along Osage River, T 40 N, R 23 W, sect. 13, 2 1/2 mi. W of Warsaw, wet meadow along creek, T 41 N, R 20 W, sect. 33, 3 mi. west of Zora, limestone bluffs along Indian Creek with sandstone ledges above, T 41 N, R 20 W, sect. 32, 1 mi. NE of Mount Hilda, north-facing limestone bluffs along Grand River, T 40 N, R 23 W, sect. 4, 1-2 mi. south of Racket.

In Camden co. good places are as follows: lime outcrops 2 mi. NE of Camdenton, Ha-Ha Tonka spring and bluffs, limestone glade at Tunnel Dam, 5 mi. south of Roach on Niangua River, south-facing lime bluffs with chert above along Little Niangua River and Sulphur Springs Hollow, east of Ellis Ford, sect. 32, 2 mi. south of Barnumtown, swampy meadow in valley of Fiery Fork Creek, T 39 N, R 19 W, sect. 31 and 36, 2 1/3 mi. SW of Barnumtown, north-facing lime bluffs along Fiery Fork Creek, sect. 31, 2 1/3 mi. SW of Barnumtown, Kolbs Hollow
(over)

near junction of creek with Little Niangua River, T 38 N, R 19 W, sect. 11, 1 1/2 mi. NE of Bannister.

In Saline co. I discovered the only inland record in the U.S. for the salt marsh grass, *Distichlis spicata*, at Elk Lick Springs in valley of Heath's Creek, sect. 17, 3 mi. SW of Ridge Prairie. Other good places in Saline co. are wooded lime slopes bordering Heath's Creek, sect. 16 and 17, 3 mi. SW of Ridge Prairie, Van Meter State Park, T 52 N, R 22 W, sect. 24 and 25, 5 mi. NW of Fairville, south-facing lime bluffs along highway 40, T 48 N, R 21 W, sect. 4, 2 1/2 mi. NW of Wanamaker, Great Salt Springs 8 1/2 mi. west of Marshall, and north-facing wooded limestone bluffs along Blackwater river below mouth (1/2-2 mi.) of Salt Fork with Blackwater river, 1 mi. south of Nelson.

In Johnson co. is a very good prairie along highway 58 and r.r. T 46 N, R 28 W, sect. 5, 3 mi. NW of Holden, good places to work in Knobnoster State Park, 3-5 mi. SW of Knobnoster, sandstone glade along Fern Glen near tributary of Post Oak Creek, about 1 mi. NW of Warrensburg, sandstone bluffs along ravine at Cave Hollow, between old and new cemetery near Warrensburg, north-facing sandstone bluffs along Brawley creek (Shanghai creek) north of Cornelia, along south fork of Blackwater river, T 46 N, R 28 W, SE 1/4 sect. 22 and sect. 26, 3 1/2 mi. north of Holden (very good), prairie along highway 58 and r.r., T 46 N, R 28 W, sect. 4, 2 1/2 mi. NW of Holden.

I could give you plenty more localities, but I realize that you will probably only be able to make a few of the areas given above, I could give you plenty more.

Good trip to you. I also have those large county maps of Missouri now.

Sincerely:

Julian A. Steyermark
Julian A. Steyermark

CHICAGO NATURAL HISTORY MUSEUM
FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

October 21, 1949

Dear Dr. Gier:

Am glad you had a good trip and
had an opportunity to be with Mr. Moore.
He is a keen naturalist and observer.

The Mosses of Guatemala can be
obtained for \$4.00 from our Museum.
Simply address the Director here for
what you want, and he will turn over your
request to the proper persons to take care
of.

With kindest regards to you and Mrs.
Gier,

Sincerely,

Julian A. Steyermark
Julian A. Steyermark

Digitized by Hunt Institute for Botanical Documentation

CHICAGO NATURAL HISTORY MUSEUM
FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

March 31, 1950

Dear Dr. Gier:

Today the first day of spring is certainly a fitting time to write a botanist, isn't it? I am looking forward to a number of trips in Mo. this year, my first being to hunt new stations for Snow Trillium (*T. nivale*) in the Ozarks. I found the only known Ozark station in Texas co. 15 years ago and no other station in the Ozarks has since been found. So I expect to hunt for it on March 31-April 2 down in adjacent Ozark counties. I hope we can botanize that area in your region (Trimbell or such name--I do not have my notes here to refer to) which is being planned for flooding to make into a wildlife project. We might plan to survey it sometime this year.

Of course, I will be pleased and interested to receive the specimens you write about. I shall return those which you indicate as for your herbarium. Thank you for sending them. Please give my regards to Mrs. Gier and hope we can see you up this way this year.

Thanks for the alga which I turned over to Dr. Drouet.

Sincerely yours,

Julian A. Steyermark

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

May 11, 1950

Dear Dr. Gier:

I have been on a number of trips and cannot get caught up with work. Also, as secretary of the systematic section of the botanical society for the Columbus, Ohio meetings September 11-13 I have had to write numerous letters, etc. to various people for program matters, arrangements of various kinds, etc. So I have been working awfully hard, also the garden work, and transplantings of all kinds, shipments from nurseries, etc., also being president of our Barrington Natural History Society and giving talks on conservation, etc., writing articles, and writing latin descriptions for my new species from Venezuela all keeps me too busy.

I have finished the determination of most of your plants so kindly sent me for examination. Got several interesting new records, such as *Rotala ramosior* from Clay Co. which you collected, etc. Will try to send the rest of the lot to you soon.

Will be on a week's vacation collecting in certain parts of Mo. which I have to do at this time between May 16-23, so that I cannot schedule a trip this month with you to the Trimble area. If you would like to take that in some weekend later on in the year, I will let you know. Possibly in September or October it could be arranged for the late summer and fall plants to be surveyed.

Have a new DeLuxe Chevrolet Station Wagon and it will come in handy for my trips. Hope you and Mrs. Gier will have a ride in it this year.

With best wishes,

Sincerely

Julian A. Steyermark

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

June 7, 1950

Dear Dr. Gier:

I wish you and your group good luck in visiting the Trimble Wildlife Area. I have never been there. Hope to get around there some time. Please make as complete a collection as possible and I will be interested to examine it. If you get carices, be sure they are complete with roots and fruiting heads. The Smithville quadrangle, which can be obtained from the Mo. Geol. Survey in Rolla, shows the features of the area. It is a valley bottom mostly lying on the east side of Little Platte River and the inundated section will be mostly on the right half (eastern part) of the area. There are wooded or hilly areas bordering the valley on its eastern side. The Missouri Conservation Commission in Jefferson City could send you a map of their area, although this does not show topographic features, but does give a detailed plan of the area. If I were you, I would try to cover all the valley area to be flooded, as well as the wooded slopes on the east and the Little Platte river on the western side. Let me know whether you can secure the above material without any delay. If you do not hear immediately from the Mo. Cons. Comm. about this, I will send you a traced map of the map they sent me.

Please send me seeds of your yellow columbine when they are ripe. Mine from last year were washed away because they were planted on too much of a slope. This year I will plant them in a better place.

Best regards

Julian

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

July 27, 1950

Dear Dr. Gier:

Being swamped with too many duties to get done these days prevents me from answering correspondence very promptly. Also my last two field trips to southwestern Mo. ate into my time. Last weekend in the White River country was most discouraging due to the heavy rains and the rains which had been pouring in for over a week.

The new Gray's Manual is really wonderful. I have my copy now. It is a must, of course, for every botanist, and you will have to re-learn much in the way of plant names. I felt quite honored to think that Fernald would acknowledge my work in his preface so far as Missouri is concerned.

So far as localities in southeast Mo. are concerned, you will get quite different results from working different habitats: there are sandy prairies, Crowley's Ridge with hills and different soils, and swampy woods. The latter habitat has lots of mosses on logs lying on the ground and on the living bark of the trees themselves. I should suggest your concentrating on Crowley's Ridge in Stoddard, Scott, and Butler counties, and a few good swampy woods areas. The Big Tree State Park area in Mississippi county should yield you good samples of the swampy woods type, while various areas of Crowley's Ridge will give you an assortment of species in southeast Mo. not to be obtained elsewhere in that part of the state. In Scott Co. try base of north-facing bluffs just east of Rockview, sect. 5; limestone and quartzite bluffs between Chaffee and Rockview, T 29 N, R 13 E, sect. 8, upland sandy woods 2 mi. west of Blodgett (very good); low woods along Holden Creek, 2 mi. SE of Ilmo; Bird's Hill along NE-facing slopes of limestone escarpment at Perkins (Ozark escarpment); east-facing sandstone bluffs along Mississippi river 2 mi. north of Commerce, sect. 13; north-facing sandstone and gravel along bluffs of Holden Creek, sect. 11, 2 1/2-3 mi. SE of Ilmo, and north-facing wooded slopes on Crowley Ridge between Benton and New Hamburg.

For Stoddard Co. the following localities are very good: Mingo Swamp, vicinity of Sand Blow Ridge, sect. 11 just west of ditch 3, 3 1/2 mi. N of Puxico; wooded slopes of east-facing escarpment of Crowley Ridge, sect. 2, 3 mi. NE of Powe; SE-facing ravine slopes in woods of Crowley's Ridge at Ardeola school; NE- and E-facing sandstone bluffs with alluvial bottom flora at base of bluffs, west of Heagy (very good with Ozark flora); acid ravines tributary to Wilson Creek in beech-sour gum woods, 1 mi. W of Guam, sect. 15; acid slopes of ravines over Potter's Clay, tributary to Beech Grove branch, sect. 10, 1 mi. south of Avert; tupelo-cypress woods bordering Swan Pond, sect. 35, 4 mi. south of Advance (very good when I visited it in 1948).

You should by all means try to make a bryological survey of that area in Ripley county in the swampy portion where I found that marvelous *Lindera melissaeifolium* that I wrote about in *Rhodora* last year. It is found in depressions surrounded by knolls 4 mi. south of Naylor, T 22 N, R 4 E, sect. 35 (and 36); other localities in Ripley co. for you are low swampy woods along ditch no. 3, sect. 26 and 27, 3 1/4 mi. south of Naylor; swampy woods in "The Brake", T 22 N, R 3 E, sect. 31 and 32, 3/4 mi. SE of Glenn, 1 1/2 mi. NE of Acorn.

In Cape Girardeau Co. visit the following if you can: Hickory Ridge 1 mi. west of Delta; swampy woods along highway 25, sect. 32 and 33, just SW of Green Cox, 3 mi. SW of Arbor.
(over)

I found good places in Pemiscot co. in the following: alluvial woods around Robinson Lake, east of Big Lake, sect. 16, 3 1/2 mi. east of Concord; alluvial woods 7 mi. south of Portageville; low rich wet woods along North Deering Ditch Lateral, 1 mi. N of Friendship School, sect. 31, 3 mi. SW of Deering (good); woods by Pemiscot-Dunklin co. line, T 16 N, R 10 E, sect. 15, 3 mi. west of Hermandale (good)

In Butler co. very good localities are: sandy wooded ridge and cypress swamps along Black River and ditch, near Carola, along Gillis Bluff, sect. 8 and 17, 5 mi. SW of Qulin (good); cypress swamps in depressions of hilly land, T 24 N, R 7 E, sect. 17, 1 mi. east of Rossville, 4 mi. NE of Brosely; Mud Creek, 2 mi. NW of Rombauer, sect. 20 is very good;

In Bollinger Co. very good localities are to be found along Crooked Creek in the vicinity of Glen Allen: one virgin woods locality is in rich wooded valley and north-facing wooded slopes along Crooked Creek, sect. 16 and SW 1/4 sect. 15, 2-3 mi. SE of Bessville; north-facing bluffs along Crooked Creek, sect. 21 and 22, 2 1/2 mi. NW of Glen Allen; low woods at base of lime bluffs near Castor River, 1 mi. north, between Pond creek school and Myers school, 5 mi. nw of Zalma.

In New Madrid co. try low ground near La Farge and near Lilbourn; swampy low woods on north side of road P, sect. 32, 4 mi. E of La Forge; wooded oak-hickory sandy knoll sect. 34, 4 1/2 mi. SE of Sikeston; swampy woods near East Bayou, sect. 11, 2 mi. west of Bayouville

Have a good time and be sure to get in some of the above localities. I have visited many more localities in these SE counties besides the above listed.

Have planted the columbine seeds and hope to have better luck this year.

Have covered 9000 miles with the new car in the last two months. It would be perfect if it had a 4-mile drive.

Am saving my new collections of mosses for you.

Best regards

Julian A. Steyermark

Ans'd VIII-28-50

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

September 26, 1950

Dear Dr. Gier:

Have your letter of the 19th awaiting me upon my return from a week's collecting trip in parts of Missouri. It was very successful with lots of new records for the counties visited, despite a lot of bad roads and rain the first few days of the trip.

Was very glad to see you and your wife, but the meetings are always so rushed that one doesn't get to visit too well with everyone he would like to talk to longer. You missed a fine field trip with the ecologists following the meetings. I went with them on their trip for two days to southern Ohio.

With reference to the literature for Miss Ponder, I refer her to the following:

For Costa Rica. 1. Standley, P.C. Flora of Costa Rica in 4 volumes published by Field Museum of Natural History, vol. 18, parts 1-4, 1937-38.

2. Also she can use Standley's Trees and Shrubs of Mexico and Flora of the Panama Canal Zone for its keys which are not found in the Flora of Costa Rica.

For Paraguay: there is An Enumeration of the plants collected by Dr. Thomas Morong in Paraguay, 1888-90. Contributions from Herbarium of Columbia College no. 35. Ann. N.Y. Acad. Sci. 7: 45-280. Dec. 1892.

No other flora is available for Paraguay which covers the entire country.

With best regards to you and Mrs. Gier,

Sincerely,

Julian A. Steyermark
Julian A. Steyermark



SAVE THE EASY WAY
BUY U.S. BONDS
PAYROLL SAVINGS



THIS SIDE OF CARD IS FOR ADDRESS

Dr. L. J. Gier
Dept. of Biology and Zoology
Liberty, Missouri

Oct. 24, 1950

Dear Dr. Sier:

Thanks for the
sending of the new
record for Clay Co. of
Notholaena dealbata.
It is mostly in western
Mo., always on
dry limestone bluffs
or boulders. It is in
the counties bordering
Clay Co.

All my columbine
seedlings from your
seeds look healthy &
should pass through
the winter safely. There
must be about 50 thirty
seedlings.

I doubt if I can make
it down this fall. I have
so much here to get done.
Best regards Julian

CHICAGO NATURAL HISTORY MUSEUM
FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

Feb. 19, 1951

Dear Dr. Gier:

The Spanish names you gave for me to identify the Costa Rican orchids are at hand, but it is next to impossible to tell you to what they refer. Standley does not list common Spanish names under his orchids for Costa Rica, and Woodson does not give common names in his Flora of Panama. With yellow flowers indicated, it is possible that the plant may pertain to the genus Oncidium. It could be either terrestrial or epiphytic. For orchid culture, you might inquire of the Missouri Botanical Garden Arboretum, Grays Summit, Mo., for more information. Sorry, but the names are not definite enough.

Will be glad to get your fall specimens from the Trimble area. I found your unidentified bundle of Missouri plants containing some sedges and grasses, etc. and they are mounted and will be sent back to you as soon as I have gone over them.

As yet, I have not had time to make out my collecting schedule for this year's Mo. collecting, but will let you know when I do. I wish we could get more information about that *Viola canadensis* locality and the collector for that record should try to take us to the spot preferably. There will be an article in the Feb. number of the Bulletin of the Mo. Bot. Gard. on Missouri Plant Survey by me, and I will send it to you. Next month the Mo. Bot. Gard. publishes an article by me on the Snow Trillium which mentions your herbarium, your college, you, and Dr. Elmore, and I will have an extra to send you.

Best regards,

Julian A. Steyermark

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY

ROOSEVELT ROAD AND LAKE SHORE DRIVE

CHICAGO 5, ILLINOIS

May 10, 1951

Dear Dr. Gier:

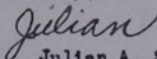
I was on a trip last weekend in Missouri trying to check some records. One of the things I tried to do was to check the *Tradescantia* record for Morgan county and tried to locate Mr. Marshall Renno at Syracuse. The lady at the house where I inquired told me he had left a couple of months ago for another post at or near Kansas City, and that he no longer lives there. I looked along the r.r. tracks but found only *Tradescantia canaliculata* (the common weedy type) abundant and no sign of any other species. Actually, there is no r.r. 1 1/2 mi. south of Syracuse, as the tracks there run mostly east and west or slightly northeast. I have rather serious doubts as to the locality where your herbarium specimen by Renno was collected, and it is certainly possible that he collected this at another place. In the first place, it is out of its known natural range in Mo., where it has been found only in the southwestern counties, and, secondly, it is often the case that a collector puts on the label his home address and forgets to add the real locality where the collection was made. Until I can get more definite data on the collection from Mr. Renno himself and can personally verify his station, just as I feel we must do for *Viola canadensis* (which I doubt was ever collected around Cameron), I don't believe we would be justified in accepting these as new records until they can be verified. Deam always verifies the occurrence of peculiar records personally before he adds them to the state flora as permanent. Perhaps, it would be possible for you to contact Mr. Renno and make more inquiry from him.

I have been very busy adding new records for counties and studying my collections of previous years which have not been brought up to date. Did you receive the Missouri Botanical Garden Bulletin which I asked the garden to send you of the *Trillium nivale* article which mentioned you and your college, and of the other article I wrote earlier on the Missouri Plant Survey?

Hope to be seeing you in June at the foray.

Best wishes to you and Mrs. Gier. Hope you can come up to visit us and see our flowers.

Sincerely,



Julian A. Steyermark
Curator of the Herbarium

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

March 15, 1953

Dear Dr. Gier:

I was very glad to hear from you again. I'm sure you must have been concerned over not having received my determinations. I had all your plants identified except some grasses and cyperaceae and became tied up with many other matters to attend to. But I completed them and the Museum has sent them off this week, so you will have them very shortly now. Thank you for sending them. I got a number of new records for Clay co. I placed my determination label on the sheet wherever I had to correct the name. Where I didn't add any label, it is understood I am in agreement with the determination. I retained some of the duplicate specimens for our herbarium, for which I thank you. A small package of plants that were unmounted I returned, since I was not certain whether they were to be retained by us.

I have been trying to catch up with all my collections made between 1946-51, and am still working on the critical groups mostly in the grasses and cyperaceae, and have most of my 1951 to finish yet. I no more than get slightly caught up than it is time to go out on more Missouri trips for new records. Last year I added 10 species new to the state flora. I have a number of articles coming out in *Rhodora* on some of the new finds, and in *American Fern Journal*.

I must be in Jefferson City the last week of this month to check over the original land surveys at the Land Office of the Secretary of State. I will take notes on the mention of timber in the various Ozark counties. I am preparing an article as a reply to Beilmann's & Brenner's ludicrous one in the *Mo. Bot. Gard. Annals* of last September entitled, "The Recent Intrusion of Forests in the Ozarks". Unfortunately, these men were never trained in ecology, plant geography, or systematics, and have made wild and erroneous conclusions, trying to show that there are no true plant climaxes or associations in the Ozarks, that most of the forest in the Ozarks has come in during the past 150 years, and that perhaps the Ozarks should be in grass rather than in forest. They have overlooked Dr. E. Lucy Braun's book on *Deciduous Forests of the Eastern U.S.*, not even worried about natural plant distribution of forest trees in the Ozarks and how long it must have taken for them to have become adapted to their various soils and niches, overlooked the past geological history of plants in the state, paleobotanical evidence of forest species, relic trees and shrubs in the Ozarks and their associated herbaceous shade-loving species. In addition, I can find errors in most of their statements and arguments, even drawing testimony from the early settlers, travelers, botanists like Nuttall and expeditions of Schoolcraft and others. They are way off on their notions of what constitutes podzol soils, legumes and game, etc. They don't realize that turkeys and bears are exclusive forest species and that they were abundant in the Ozarks in the forest, that many types of legumes, including *Desmodium*, are woodland species, and an infinite mass of other data. I have never been so provoked by
(over)

such a paper, and have spent several months reading lots of historical treatises as well as getting together a mass of data that will take the wind out of their sails forever, I trust.

I have checked up on the Camden co. query of yours, and have not botanized any swamp in the SE part of the county. The Stoutland quadrangle shows south of Wet Glaize some ponds called "Ozark Fisheries" which may have wet ground surrounding them and may originally have been swampy. Also it might be possible to find wet meadows along some of the smaller creeks shown in that quadrangle. From my own collecting in that county, I have found a good swampy meadow of 2 acres in the valley of Fiery Fork Creek, T 39 N, R 19 W, sect. 31 and 36, 2 1/2 mi. SW of Barnumtown (Barnumtown quad.) and this had *Pedicularis lanceolata* and *Solidago Riddellii* among other species which I found there in Sept. 1938. It should have some good carices and other species in the spring. Do get some complete spring collections from there. Other wet meadows in Camden Co., which I have visited are: 1) wet ground around spring in meadow at mouth of Sulphur Spring Hollow by Little Niangua River, T 39 N, R 18 W, sect. 32, 2 mi. south of Barnumtown; 2) wet meadow along gravelly soil of Bollinger Creek, T 39 N, R 18-19 W, sect. 7, 1 1/2 mi. NW of Barnumtown; 3) wet meadow along spring branch leading to Spring Valley Creek, T 39 N, R 19 W, sect. 6, 5 mi. N of Climax Springs. I should be greatly interested to learn what luck you have with these or with any you may find in the SE part of the county you mentioned.

I have lots of mosses from 1950 and 1951 collections to send you. I will send them to you personally as a gift from me without any connection as coming from the Museum. Dr. Drouet is not very cooperative with me about these matters and please don't mention to him that I have sent you any. So whatever I send you, just accept without writing or thanking Dr. Drouet.

I will not have any money to take care of the student you mention, since Venezuela is the most expensive of any New World country for expeditions or living. There are others who have already approached me about their possibility of coming with me as assistant, but I do not believe I can take anyone. If I take anyone, it will be the student who accompanied me in Guatemala on one of my trips, and since I already know him very well and he is a good photographer besides, I would give him preference. I will not leave until next December and will be gone only a few months as the high cost of having an expedition in Venezuela will eat up my funds very quickly.

I look forward to getting out on expeditions to Missouri first this year and am just beginning to plan my schedule. There are many counties I have to give attention to. Your *Aquilegia* seeds germinated well last year and I hope to see them making good progress this year.

Hope you and Mrs. Gier can come up this way to see my wild flower preserve.

With kindest regards to you and Mrs. Gier,

Sincerely yours,

Julian
Julian A. Steyermark

vi/1/52

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

June 17, 1952

Dear Dr. Gier:

Thank you for your past two letters and for the reprints you sent. I am sorry your class didn't get to do more work in Camden Co., but perhaps the next time you will find more favorable opportunities.

Last week I was perspiring heavily in parts of northern Missouri getting new county records while trying to hike in temperatures soaring near 100 degrees, and it was anything but pleasant when mosquitoes were also after you, but I always feel compensated for such torture when I come out with good new records.

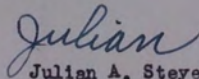
I have been completing the identifications of my carices and grasses from the last few years collections of Missouri, and one which I made around Winwood Lake when we were together proves to be the rare Carex microdonta, second time collected for Missouri, and I reported on the first time it was collected in one of my Rhodora publications. Now my Clay county collection is the 2nd record. I had it verified by Hermann and sent him a duplicate. I thought you might be interested to know about it.

My seedling columbines of last year's sowing you originally sent me flowered this year, and one turned out yellow, the other red, so I also got half and half. I took a ~~kodachrome~~ kodachrome of the yellow and it turned out nicely. I have the yellow one established now. Wish you could our flowers now, I have so many to show you. Perhaps you and Mrs. Gier could come up our way later one after you are finished with Iowa.

I will send you the mosses as soon as I have them labelled. They will be sent to your Iowa Lakeside Laboratory.

With best wishes,

Sincerely,



Julian A. Steyermark

CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

October 6, 1952

Dear Dr. Gier:

I am forwarding to you by express collect a package containing the Missouri mosses and some hepatics which I promised you. They are from my 1950 and 1951 collections and a few from the latter part of 1949. They are sent to you as a personal gift to you from me. You need not mention this to anyone. Since I knew you were in a hurry for them, I did not want to delay matters by tying them up in red tape here, and Drouet is very busy with other matters and it might have been delayed a long time before he would get around to send you the duplicates. So I extracted a small sample from each of my collections for you to have.

Tell me, have you ever been sent my other Missouri collections of 1946-1949. I recall rather hazily that you were sent some, but I am not sure about this.

Hope you find the collections of interest and that there will be many new records.

Yours faithfully,

Julian A. Steyermark

70 pks

67126
68436

II.9.53

Dear Dr. and Mrs. Steyermark,

I am sending this to your home address as I was not sure if you went on the trip or had returned yet or not. Am sorry to have been so slow with the determinations but I taught a very heavy schedule last fall then was not sure about the Sphagnums so sent some of mine to Andrews and just got his determinations on them last week. I had already tentatively done yours and also my own but after I got his verdict, I went back and rechecked them and changed some of them. They are rather distinct when you know what you are looking for. I appreciate the opportunity to examine this collection. It had many new county records and some that happen to be new state records because original collection was incorrectly identified; *Metzgeria furcata* had been listed as *M. conjugata* by Drew but the slide I have of his is same as yours and definitely *M. furcata*.

Am afraid I lost most of my seedling columbines due to the drought. Am anxiously awaiting spring. We are planning a revision of the Clay County flora this spring.

Yours truly,

L.J.Gier

Mosses identified for Julian A. Steyermark
by L. J. Gier, winter 1952-53

- 69388 *Leptodictyum riparium obtusum* Grout
69394 *Hypnum patientiae demissum* Schimp.
69390 *Hygroamblystegium irriguum spinifolium* (Sch.) Grout
69389 " " " " "
69395 *Reboulia hemisphaerica* (L.) Raddi
69392 *Fissidens debilis* Schwaegr.
69404 *Hygroamblystegium noterophilum* (Sull.) Warnst.
69527 *Mnium cuspidatum* Hedw.
69538 *Brachythecium ~~stylidifolium~~ salebrosum* (W. & M.) Bry. Eur.
69548 *Porella platyphylloidea* (Schwein.) Lindb.
69549 *Anomodon attenuatus* (Hedw.) Hueben.
69556 " " " "
69557 " " " "
69559 *Brachythecium salebrosum* (W. & M.) Bry. Eur.
69560 *Hygroamblystegium fluviatile* (Sw.) Loeske
69561 *Anomodon attenuatus* (Hedw.) Hueben.
69563 *Grimmia apocarpa* Hedw.
69568 *Leskea obscura* Hedw. & *Entodon seductrix* (Hedw.) C.M.
69725 *Eurhynchium hians* (Hedw.) J. & S.
69726 *Anomodon rostratus* (Hedw.) Schimp.
69858 *Hygroamblystegium irriguum* (Wils.) Loeske
69947 *Metzgeria furcata* (L.) Dum.
70601 *Anomodon rostratus* (Hedw.) Schimp.
70604 *Weisia viridula* Hedw.
70610 *Dicranum scoparium* Hedw.
70611 *Climacium americanum* Brid.
70619 *Thuidium philiberti* Limpr.
70620 *Bartramia pomifolia* Hedw.
70767 *Atrichum xanthopelma* (C.M.) Jaegr.
70791 *Brachythecium oxycladon* (Brid.) J. & S.
70792 *Rhodobryum roseum* (Bry. Eur.) Limpr.
70800 *Bryum argenteum* Hedw. & *Grimmia apocarpa* Hedw.
70809 *Hedwigia ciliata* Hedw.
70810 *Grimmia apocarpa* Hedw.
70875 *Anomodon rostratus* (Hedw.) Schimp.
70903 *Fontinalis novae-angliae* Sull. (fide Welch)
70973 *Fissidens taxifolius* Hedw.
70976 *Drummondia prorepens* (Hedw.) Jennings
70294 *Brachythecium oxycladon* (Brid.) J. & S.
70318 *Thuidium philiberti* Limpr. & *Anomodon attenuatus* (Hedw.) Hueben.
70371 *Rhodobryum roseum* (Bry. Eur.) Limpr.
70399 *Climacium americanum* Brid.
70400 *Thuidium philiberti* Limpr. & *Dicranum scoparium* Hedw.
70401 *Cirriphyllum boscii* (Schw.) Brout
70402 *Polytrichum ohioense* R. & C.
70403 *Leucobryum albidum* (Brid.) Lindb.
70490 *Anomodon attenuatus* (Hedw.) Hueben.
70983 *Eurhynchium rusciforme* (Neck.) Milde.
70990 " " " "
70991 *Fontinalis duriaei* Schimp. fide Welch
70995 *Dumortiera hirsuta* (Sw.) Dum.
70996 *Fissidens grandifrons* Brid.
71017 *Fontinalis novae-angliae* Sull. (fide Welch)
71021 *Sphagnum compactum* D. C.
71109 *Hypnum patientiae demissum* Schimp.
71111 *Leptodictyum riparium obtusum* Grout & *Leptobryum pyriforme* (Hedw.) Schimp.
71130 *Hygroamblystegium irriguum* (Wils.) Loeske
71131 *Hypnum curvifolium* Hedw.

- 71132 *Cirriphyllum bosicii* (Schw.) Grout
 71133 *Dicranum scoparium* Hedw.
 71134 *Rhytidiadelphus triquetris* (Hedw.) Warnst.
 71135 *Climacium americanum* Brid.
 71136 *Dicranum scoparium* Hedw. & *Thuidium philiberti* Limpr., *Hypnum curvifolium* Hedw. & *Calliergonella schreberi* (Bry. Eur.) Grout
 71137 same as 71136
 71139 *Cirriphyllum bosicii* (Schw.) Grout
 71140 *Anomodon rostratus* (Hedw.) Schimp. & *Campylium hispidulum* (Brid.) Mitt.
 71141 *Cirriphyllum bosicii* (Schw.) Grout & *Rhodesbryum roseum* (Bry. Eur.) Limpr.
 71142 *Hygroamblystegium irriguum* (Wils.) Loeske
 71172 " " " "
 71180 *Fontinalis novae-angliae latifolia* Card. (fide Welch)
 71462 *Hygroamblystegium irriguum* (Wils.) Loeske
 71471 *Didymodon trifarius* (Hedw.) Brid.
 71740 *Drepanocladus aduncus polycarpus* (Bland) Warnst.
 71841 *Climacium americanum* Brid.
 71842 *Cratoneuron filicinum* (Hedw.) Roth.
 71860 *Polytrichum commune* Hedw. & *Sphagnum subsecundum* Nees.
 71861 *Climacium americanum* Brid.
 71862 *Entodon seductrix* (Hedw.) C.M. & *Climacium americanum* Brid.
 72112 *Climacium kindbergii* (R. & C.) Grout
 72200 " " " "
 72200 72220 *Leptodictyum riparium obtusum* Grout
 72507 *Sphagnum subsecundum* Nees.
 72509 *Sphagnum compactum* D.C.
 72522 *Trichocolea tomentella* (Ehrh.) Dum.
 72737 *Chara hydropitys* Reich. (fide F. K. Daily)
 72806 *Mnium punctatum* Hedw. & *Physcomitrium* sp. (sterile)
 72807 *Eurhynchium nians* (Hedw.) J. & S.
 72859 *Eurhynchium strigosum* (Hoffm.) Bry. Eur.
 72860 *Atrichum xanthopelma* (C.M.) Jaeger & *Campylium chrysophyllum* (Brid.) Bryhn.
 72861 *Fissidens cristatus* Wils.
 72863 *Anomodon rostratus* (Hedw.) Schimp., *Mnium punctatum* Hedw., & *Brachythecium oxycladon* (Brid.) J. & S.
 72947 *Anomodon rostratus* (Hedw.) Schimp.
 72958 *Pohlia wahlenbergii* (W. & M.) Andr.
 73003 *Hedwigia ciliata* Hedw.
 73014 *Entodon seductrix* (Hedw.) C.M.
 73035 *Trichocolea tomentella* (Ehrh.) Dum.

I have a record of a number 69945 but can find no specimen for this number and I have no identification data for it.

= *Scapania nemorea* (L.) Dum.

L.J.G.

II.9.53

CHICAGO NATURAL HISTORY MUSEUM
FORMERLY FIELD MUSEUM OF NATURAL HISTORY
ROOSEVELT ROAD AND LAKE SHORE DRIVE
CHICAGO 5, ILLINOIS

Feb. 12, 1953

Dear Dr. Gier:

Thank you very much for the list of determinations of my Missouri moss. I am very pleased to have this and am glad that my collections had some interest for your work.

I leave March 7 for my trip and will probably not be back before August.

Best wishes

Julian A. Steyermark
Julian A. Steyermark

P.S. Our columbine seedlings were very thrifty looking last year, so I expect we will have them all back. I have several of the yellow. We did not get that bad drought during the growing season. It did come to us late in the fall, but not at the time to adversely affect what was alive.

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CHICAGO NATURAL HISTORY MUSEUM

FORMERLY FIELD MUSEUM OF NATURAL HISTORY

ROOSEVELT ROAD AND LAKE SHORE DRIVE

CHICAGO 5, ILLINOIS

June 25, 1956

Dear Dr. Gier:

Thank you for your recent letter. I shall be very happy to examine all the material you mention and return any unicate or other material you wish returned. I should be pleased to examine grasses, sedges, and everything else you want identified. Send any and all questionable material.

I am very sorry to hear about Mrs. Gier condition and hope she will be recovering more rapidly in the near future. Please send her our best regards. We always think of the nice times we had with you people when we came to Liberty.

We are working hard as usual in the garden with its multitude of tasks to do each season and both Cora and I work until dark each night, then have supper around 9:30 p.m. but we are not getting enough sleep because of going to bed so late and then up at 5 the next morning. There is no end to our round of gardening that has to be done.

Am pleased to report that out of the seedling columbine from the seeds collected at your Clay Co. locality, there comes up each spring one yellow-flowered plant which I have marked. So I still have the plant perpetuated at my place.

I hope your Civil Service appointment in botany will go through all right and will be glad to do anything I kind in your behalf.

With best wishes,

Sincerely,

Julian

Julian A. Steyermark

315. 16th St
Bordeaux Florida.
January 13, 1950

Dear Mr. Gees

Your note was received yesterday.
Missouri and Kansas were not included
among the states in which I collected
bryophytes - I wish they had been -

My first visit to Missouri will
be I hope next or rather this spring
when I hope to be with my daughter
family at Park College - Parkville Mo
for a short. If I should collect
any mosses or other bryophytes then
I will be glad to share specimens
with you

Sincerely Yours
Cloyd Burnley Stepler
(Mrs. J. M. Stepler).

315- 16th St
Bradenton Fla
June. 23, '50

Dr. Leland Gier
William Jewell College
Liberty Mo.

Dear Dr. Gier -

After three weeks visit
in Evanston I returned to Florida -
and am just - beginning to feel
settled again -

Mrs Johnson sent me my specimens
which I had packed and left in
Parkville - and I am almost ready
to get to work on identifying them
as far as I am able to.

Before they arrived I had sealed over
the specimens I collected in the Woods
into 7 boxes. in '48. - When I have
them in some kind of order I will
send you a list of the mosses that
I have and if you wish specimens
I shall be glad to share with you.

We have had no rain - just
sprinkles - Usually our rainy season
is on by this time. Also it is
unusually hot (Sonoma like California)

Please remember me to Mrs Gier

I hope you both realized how much
it meant to us to have the out
door supper at your home -

and I enjoyed the field trip -
although I have been very slow in
thanking you for both of them.

Thank you too for the specimens
that you gave me.

Sincerely Yours

Clyde B. Steffer
(Mrs. J. M. Steffer)

P.S. Saw P.C. Standley and Dr. Stearns
in Chicago. Dr. Stearns had received
your letter + had forgotten all about
our conversation about the Map of Guatemala

Dr. Standley just happened to be at
the Museum - He is living in Honduras
now - Has some connection with the
College of Agriculture -

25-91-11X m

315-16th St W
 Burlington Fla
 Jan. 31 - 1955

Dr. L. J. Gier
 William Jewell College
 Liberty Mo

Dear Dr Gier -

Thank you for the reports that come to me last week. I wish I knew more about algae - but I do know Dr. Dronet.

I seem to keep very busy with little things. Have been president of the County Audubon Society which now has a membership of 104 - and we have monthly meetings and also bird hunting trips - but I have good committee chairman who take responsibility.

I have nearly finished checking over my fern collection. Have them all nearly mounted + labelled. I promise them to the Botany Dept at Emory College some time ago. Hope to ship them to the College soon. but labelling has been a slow job as I wanted it to be accurate - Some of them were checked by Dr. M. R. Maxon so I feel safe about them.

When I finish them - I shall get to
work on the Mosses. Hypoxis + Hakea that
I have, for Joe promised them to Gmelin too
There are many interruptions

Am enclosing a check for 5⁰⁰ for
due to the Am. Bot. Soc. for '55-

Was sorry not to see you in
Gainesville

Please remember me to
Mrs. Gies -

Sincerely Yours

Clyde Bunney Stepler

(Mrs J. M. Stepler)