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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.

UNIVERSITY OF MISSOURI
COLUMBIA

COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF BOTANY

1/11/50

Dear Dr. Grier:

I have received your letter of Dec. 12th and also the separates. Thanks for them.

I'm afraid I can give you no information as to those loose packets of Bryophytes. I've looked up the lists of faculty members, etc. in the Botany department for 1933-34 & 1934-35, but find the name of nobody who was much interested in mosses or liverworts. If I should by chance find out anything about these specimens I'll let you know.

Yes, the "Pinnacles" are in the northern part of Boone County.

Best wishes.

Yours very truly,

W. E. Manneval

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UNIVERSITY OF MISSOURI
COLUMBIA

COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF BOTANY

2/22/50

Dear Dr. Gier:

The initials J. B. R. which you found on one box of mosses collected in Franklin County are certainly those of Dr. John B. Routien, who was a member of our botany staff from 1939-1942.

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Yours very truly,

H. E. Maneval

THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

June 22, 1948

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

Dear Dr. Gier,

I received your recent letter today and as I am leaving on an extended field trip over the state of Kansas this week, I will answer your letter now.

I am working on all Bryophytes of Kansas. I began work in 1937 and continued on except for the time I spent as an Officer in the army. My main interest is the Hepatics though I have included the rest. My work in the field has included the entire state. My packaged material of both mosses and hepatics now totals well over 1200 packages and the number is increasing daily this summer. My entire summer is to be spent in the field working on Bryophytes only.

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A review of literature has of course been accomplished. Also I have dug up old Kansas specimens from several places and am still finding a few in various herbaria. As yet I have been unable to obtain the collections of Dr. Henry which are in France. What I do find have been disappointing and very poorly identified. One certainly can not depend on the literature records as being accurate. I find many of Miss Reeds determinations being wrong, taking syn. into consideration, even to the genus.

I am concentrating mostly, therefore, on field work to bring Kansas Bryology up to date. I do not intend to publish anything for a year or more yet as I do not wish to publish anything in a halfway manner. Due to the nature of my endeavor I will not publish until I have collected in every county in the eastern half of the state as well as certain selected areas in the western half.

Consequently I feel that your proposed paper should contain historical material as well as the results of your field work.

I will be awaiting the appearance of your paper. If you desire to correspond with me further on the matter, I will be back in Lawrence on July 4 and will take care of my correspondence on that date.

Very truly yours,

Ronald L. McGregor

Ronald L. McGregor
Dept of Botany
Univ of Kansas, Lawrence.

THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Feb. 3, 1949

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

Dear Dr. Gier,

I was glad to hear that your paper on Kansas mosses would be published in the near future. I will, of course, have it in my copy of the Trans. but would greatly appreciate receiving a reprint of the paper when you get same.

The list of mosses from Kansas which you found in the Chicago Museum of Natural History are most interesting. Of the four you listed as unreported for Kansas, I have found Bryum bicolor and Orthotrichum pusillum. None of the four have been reported for Kansas according to my records.

When you return to Chicago I would be interested in knowing how Tortula pagorum checks out. The two unidentified mosses also should be classified. I would appreciate knowing the results.

While in Cherokee Co., Kansas this past summer I coll. over in Missouri around Joplin. I was interested in liverworts so only collected same. I found the following: Riccia beyrichiana; Riccia sullivantii; Riccia frostii; Riccia hirta; Sphaerocarpus texanus; Notothylas orbicularis; Anthoceros laevis; Marchantia polymorpha; Frullania riparia; Frullania inflata; Frullania eboracensis; Porella platyphylloidea; Scapania nemoralis and Lophocolea heterophylla. If you are interested in these few species from that area, I would be glad to send duplicate material to you.

Will you have a paper or so to present at the Kans. Acad. of Science meetings this spring?

S. nemorosa

Sincerely,

Ronald L. McGregor

Ronald L. McGregor
Dept of Botany
Univ. of Kansas
Lawrence, Kansas.

not in lit?

Jasper or Newton Co.?

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THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Feb. 16, 1949

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

Dear Dr. Gier,

In checking back on my letter of Feb. 3, I find I made an error as you noted. Scapania nemoralis is, of course, wrong. It should have been S. nemorosa which of course is a quite common entity.

The Riccia (your #1073) to me is Riccia sorocarpa Bisch. I have studied all known species of Riccia in the USA and have spent a great deal of time on the Genus. I have found Riccia beyrichiana to be a most variable thing and have often found herbarium packets of R. beyrichiana containing that species as well as several other species. In the field I have often found as many as six species of Riccia growing in an area a foot square. That often leads to packets of mixed material especially where one prepares duplicate packets. The specimen fragments in the packet you sent to me, are, I think, mixed. One specimen has all the vegetative characteristics of R. sorocarpa and the spores are those of that species. Another fragment is about typical sterile R. beyrichiana. I have found [illegible] several times [illegible] Douglas Co. Kans.

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Your finding of Plagiochasma rupestris in Clay Co. was indeed quite a find. It proves how much work we have yet to do before we know much about the Bryophyte flora of the mid-west.

My collection of liverworts in Missouri were made in Newton Co. I will get duplicates off to you in the near future.

In your letter of Feb. 2, 1949 you included alist of mosses from Kansas which you had seen in the Chicago Museum of Natural History. The last moss on the list was: "Tortula pagorum (Milde) deNot. Bark of trees, Lawrence, Campus Hill Alt 900' Jan. 2, 1942 Walter Keiner #12414 39°N " Now in your letter of Feb. 12, 1949 you say- "I found no Tortula pagorum for either Kansas or Missouri in the Chicago collections." Was the inclusion of the Tortula pagorum from Lawrence (on the list) in error??

Thanks for the specimens you so kindly sent. I will box up my Newton Co. duplicates and get them off in a day or two.

Sincerely yours,

Ronald L. McGregor

RLM:mhc

McGregor

July 15, 1949

Prof. L. J. Sier
dept of Biology
William Jewell College
Liberty, Missouri.

Dear Prof Sier,

Upon my return from a rather extended field trip I found your letter of June 13 and card of July 5 awaiting me. I am sorry I am late in answering.

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The Frullania (your #1864) seems to be F. riparia though there is one small bit of F. inflata and a whole branch of F. eboracensis present in the packet. I find all three over all of eastern Kansas.

I wish to thank you for the specimens.

I am sure your work with Prof Conard must have been most enjoyable. He certainly has straightened me out on a great number of mosses. I wish we had more individuals like him in Botany. I believe, however, that Bryologists in general are a very cooperative bunch.

7/15/49

I wonder if you might be able to give me a bit of information. During the past three seasons I have been observing Cystopteris fragilis growing on rock outcrops (both sandstone & limestone) over eastern Kansas and SE Missouri. Those growing in rock crevices are quite different in appearance from those of our woodlands. Consequently Prof Weatherby of the Gray Herbarium and I are describing a new variety. I wonder if you know of any limestone outcrops around Liberty? I would very much like to find specimens of this new variety in more southern parts of Missouri. I have had only a few from Noel.

During my trip I collected several days in SE Missouri. When I get my material straightened out I will send you a list of my Missouri material. I will be glad to send you any of the material you care for. I will be back in SE Missouri in the latter part of August.

Sincerely yours

Ronald L. McGregor

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THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Aug. 1, 1949

Prof. L.J. Gier
Dept of Biology
William Jewel College
Liberty, Missouri.

Dear Prof. Gier,

I want to thank you for your very interesting letter of July 22. I would indeed appreciate receiving specimens of the Cystopteris fragilis from limestone rock crevices etc.

It seems you made a good collection of mosses from Bourbon County. The Funaria hygrometica is represented in our herbarium from over 20 counties in Kansas. It occurs as far west as Finney Co. The earliest collection, for which specimens exist, is that of Reed from Wyandotte Co., coll. in April 1891 and Riley Co., by Norton in 1893. Both were identified incorrectly.

I had collected Leucodon julaceus in Cherokee, Allen, Anderson, Bourbon and Johnson counties. I have several other collections made this summer but have not worked them out as yet.

I had collected very little in Bourbon Co before this season so most of my records will not be in my Kansas moss paper which is now in press. Of the group you found I have all but Plagiothecium neopilum. In addition I have 14 other species from Bourbon County. There is still more to get.

A little later this summer I will be in Holt Co., Missouri for a few days. That is my old home county so I know it from end to end. Have you adequate collections from there or would you like what I can find while there?

I still have not straightened out my summers collections so it probably will be fall before I get my earlier Missouri material sent to you.

Before school starts I have a trip to SW Kansas, one to SE Kansas, one to NE Kans. & NW Missouri and a trip to Arkansas to complete. That should take up the six weeks very nicely.

Sincerely yours,

Ronald L. McGregor

Ronald L. McGregor

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THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Aug 31, 1949

Prof. L. J. Lier
Dept Biology
William Jewel College
Liberty, Missouri

Dear Professor,

I have just returned from a tough three weeks trip in S.E. Mo. N. Ark. E. Okl. & S.E. Kans. while in Mo. I picked up a few Bryophytes which I am sending you. They are being sent along with a copy of my field notes. I suppose you have most of them from there already but in any case they are yours to do with as you see fit.

Also I am sending several mosses and a few liverworts which I collected from Holt Co. & identified them from memory & with a hand lens as they need close checking. I was rained out while in Holt Co. & spent one afternoon identifying them, though I had no memoir. They are also yours to do with as you wish.

Digitized by Harvard Institute for Bryophyte Documentation

Somewhere in my earlier summers pile of material I have other Missouri material which I'll send when I work down to them.

Hoping that at least a few of the specimens are of use to you, I am,

Sincerely yours

Ronald L. McGregor

P.S. Thanks for the reprints you so kindly sent. I'll also mail you soon with the permanent ink my typewriter is in repair.

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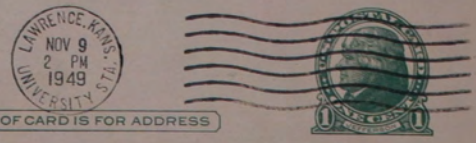
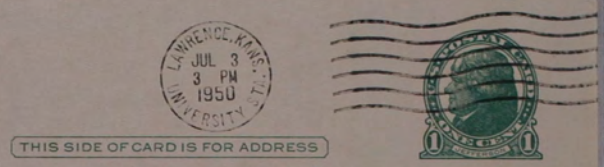


Dr. L.J. Gier
Dept. of Biology
William Jewell College
Liberty, Missouri.



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

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Dear Dr. Gier, Nov. 9, 1949

The package of ferns arrived in fine condition. I think that at least one perhaps two of the specimens are what I was looking for. More study will tell. I want to thank you for the specimens.

Sincerely yours,

Ronald L. McGregor
Dept. of Botany
Univ. of Kansas
Lawrence, Kansas

Dear Dr Gier,

Many thanks for the specimens. I have been unable to do much this season. I have two classes this summer and 10 graduate students to direct. will not be able to hit the field until August. at that time I will get in 3 continuous weeks. Hope you are having a better go of it this season than I. May get out to a park in Missouri again. If so I'll send you all I get.

Sincerely

R L McGregor

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THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Dec 1, 1949

Dear Prof. Gier,

I received your letter of Nov. 12 some time ago but have not answered due to matters beyond control. The painters, carpenters etc., have had me moved out of the office for some time. Needless to say things have not been very well organized.

The list of mosses was quite interesting. I am glad they add a little to existing records. It seems that very much is yet to be accomplished in the field of Beyology.

Yes, I had received the collection of hepatics from Farlington. I thought I had answered the letter but guess I slipped. My cases are still moved out and covered so will have to wait till the painters leave to check my records to see exactly what I have identified from that collection. I am most sorry that I failed to inform you of receipt of the collection.

Thanking you for the information and letter, I am,

Yours truly,

Ronald L. McGregor

Ronald L. McGregor

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THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Jan 25, 1950

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

Dear Dr. Gier,

I received your recent letter and enclosed specimens which I appreciate very much.

Your #2954 I find to be Riccia bifurca Hoffm.
" 2952 " " " " Anthoceros punctatus

The mosses especially Philonotis longiseta were very welcome specimens.

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We are just now finishing final exam week. I have therefore been quite busy. I am a bit anxious for spring to come even though last summers collections still are not entirely disposed of.

Do you plan to attend the meetings of the Kans. Acad. of Sci. this spring ??.

Yours Sincerely,

Ronald L. McGregor

THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Feb. 22, 1950

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

Dear Dr. Gier,

Your letter and the two specimens arrived. The material is not good for certain identification but I think that both specimens are definitely Reboulia hemisphaerica (L.) Raddi They could possibly be a species of Mannia but I seriously doubt it. I would not hesitate to call both as indicated above.

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The following then are referred to Reboulia hemisphaerica (L.) Raddi
Specimen from clay bank, roadside, Sedalia, Johnson Co., coll by Robt. K. Lampton
Specimen in crevice of limestone bluff, Meramec State Park, Franklin Co., Missouri Coll by J.B.R.

Thanks for the specimens.

I had the unfortunate luck to get a total of 232 students in my classes this semester so am going to be swamped through the term. Hope you have had no such luck.

Yours truly,

Ronald L. McGregor

THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Nov. 20, 1950

Dear Prof. Gier,

Many thanks for the specimens, letter and card.

I am sorry to hear that you are burdened with the greenhouse. One of our staff here has a greenhouse in his care with the result that his research time is greatly curtailed.

My field work for the year was greatly curtailed when I unexpectantly had to take over a couple courses in summer school. In addition I had six students taking problems and two finishing their masters degrees. My work on mosses amounted to very little though I did have time to increase my collections of liverworts from Kansas. Added a few species new to the state which now make the total for Kansas over 65. Some of these are represented by collections from over half of the counties in the state. I hope to have enough information to publish on them in another year or so.

Did you ever get hold of the boy from Emporia who seemed interested in mosses? I had hoped he might take a masters with you.

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As ever,

Ronald L. McGregor

Ronald L. McGregor

THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

May 10, 1951

Dear Prof. Gier,

Enclosed is what I take to be Mannia rupestris which one of our students brought in from Bagnell Dam. The specimen, though young, matches very well some of the material which I collected in Mexico during last Christmas vacation.

If the specimen is of any use to you Mr. Yokoyama says he is only too glad to give it to you. I have a small part of the collection for my herbarium here at the University.

If by any chance you should run across any material of Riccia fluitans in living condition I would be very glad to obtain same in the living condition. I find that it remains alive for several days in moist wrapping. I have been able to isolate two races of R. fluitans (when grown on soil) from several of our Kansas collections. I am not sure what to do with the forms but am compiling some data which may lead to some conclusions.

Wishing you success in your spring collections, I am,

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Sincerely,

ans V 12 51

Ronald L. McGregor

THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Dear Dr. Frier

A few days ago I noticed that a collection of Marchantia polymorpha from Missouri and which is in the Hepatic exchange from Missouri (coll by T. G. Meyer + ident by Fulford) contained Preissia quadrata, Conocephalum conicum + Reboulia hemisphaerica as well as some M. polymorpha.

I am not sure whether you asked for the packet or not. We still have 4 left. The data is as follows:

on sandstone cliff along old course of
the Maramec River, 2 miles southeast
of Pacific, Jefferson Co., Missouri
Nov 15, 1941 #105 (det. Margaret Fulford)
Coll T. G. Meyer

The packet was labeled as containing M. poly + Conoceph. conicum.

You may have the records, but thought I would send a note in case you didn't.

Best regards

Cordially

P. H. McGregor

Answd X-31-51

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THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

November 26, 1951

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

Dear Professor Gier:

I recently had my Fissidens material returned to me by Dr. L. E. Anderson who asked for loan of Kansas material. I suppose you sent him yours also but thought I would send you a note on one of your coll. of which you sent me a duplicate.

Your No. 2967 from prairie, W½ NE¼ S27 T27S R22E Crawford Co., taken Nov. 24, 1949, was det. as F. subbasilaris. Dr. Anderson annotates it as F. cristatus. He also changed two of my F. subbasilaris det. to F. cristatus. I might say he should have at least annotated all packets right or wrong which I have found is usual procedure.

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Hoping you are enjoying abundant time for Bryological work (which I am not), I am,

Sincerely,

Ronald L. McGregor

Ronald L. McGregor

RLM/df

G. W. Headren
Liberty, Mo.

E¼ S26 T53N R30W

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VII-22-1952

Dear Dr. Tiegs: I have a card from Conard saying you are going to look at the two Mexican mosses I had sent them. He also said you would return the specimens to me. I hasten to say that I have a duplicate coll of each and therefore you may keep the specimens I had sent. I am bogged down with Hepaticæ and sent the two mosses to Conard in the hope that some one would be interested in them before I could get around to them. I am in no hurry for a determination. I presume you had a profitable summer at Milford. Will you be there in Aug. and will you be at Cornell? I shall be at both places and will hope to see you at one or another of the forays.

With best Regards

Ronald L. McGregor
univ. of Kansas.

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THE UNIVERSITY OF KANSAS
LAWRENCE, KANSAS

DEPARTMENT OF BOTANY

Dear Lier:

Received your P frostii in good shape. Looks like our Jan 1st list will have several nice items. Wonder what has happened to Gleason and the Mss exchange? Sent in dues etc. last summer and have not heard from him or received lists.

Looks like the weather has changed - good picking in the spring! Was glad to hear and read that Liberty beat K C in the airport deal. Won't that help you out some?

Best regards

yours truly

Ronald L. McGregor

Answ XII 25 52

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THE UNIVERSITY OF KANSAS
LAWRENCE, KANSAS

DEPARTMENT OF BOTANY

Nov. 7, 1952

Dear Dr. Gier:

The Riccia is indeed R. frostii. The specimens were characteristic of the season and weather concitions in general. Thanks for the specimen.

I have been working on some Riccias from Baja Calif. (Mexico) sent to me by Steere. I have not collected anything since the first of October. Classes have me a bit loaded down.

I doubt if I will get to AAAS as I still plan to spend another two weeks in the Mexico tropics during the Xmas vacation which is quite long with us this year. I understand that Conard will be at the meeting.

Yours truly,

R.L. McGregor

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2-5-53

Dear Sier:

Have mailed the hepatics which you requested except #21 on list #53 and #41 from accumulations. These two numbers had been exhausted. The April list will be a good one and I hope you will find some interesting things. We recently had a new member from New Zealand, one from India and 2 from Japan.

Things are most busy now with a new semester and backlog of research. You well know how that is.

Many thanks for the moss records.

B. M. McGregor

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THE UNIVERSITY OF KANSAS
LAWRENCE, KANSAS

DEPARTMENT OF BOTANY

Nov 16, 1953

Dear Sirs:

Enclosed is a specimen of Ruccia fluitans from Missouri and sent to me by a former Entomology student who is now on the staff at the Univ. of Missouri.

Thought you might like a duplicate for your records.

If there is no Riccia on the cover I sent you let me know as a check reveals other packets with sterile thalli.

Best regards

H. Thegon

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THE UNIVERSITY OF KANSAS
LAWRENCE, KANSAS

DEPARTMENT OF BOTANY

Dear Lier:

The collection of Reboulia, Preissia, Conocephalum is here enclosed. Frullania certainly could not of looked carefully at the material.

Will be glad to get the Wisc & Hawaiian material for the exchange. We have certainly boomed this year. I have just mailed out 356 packets from the Oct list. also have 245 here for Jan list and about twice that many are on the way. It is beginning to be quite a job to keep all the records and material straight.

Sincerely
R. M. Chrysler

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THE UNIVERSITY OF KANSAS
LAWRENCE, KANSAS

DEPARTMENT OF BOTANY

7-1-54

Dear Dr Fier:

Received your letter and packets of hepatics. Your Nos 6122 and 6123 are *Riccia frostii*. Spores of these are typical but thalli are early summer sun forms. In herbaria I find such specimens to be most often incorrectly determined. On the banks of the Kaw River we have an abundance of *R. frostii* such as you coll. They early puzzled me until I followed them through the season.

Your No 6921 is not a *Riccia*. It is a juvenile, alluvial deposit form of some other Marchantiales (*Asterella* sp.?) The ventral scales, pores, air-chambers are not those of *Riccia* species.

We had a nice return trip from Grassy Lake. I leave tomorrow 7-2-54 for Texas for a week.

Best regards. The Physcomitrium sounds most interesting.

Sincerely,

P. H. McGregor

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THE UNIVERSITY OF KANSAS
LAWRENCE, KANSAS

DEPARTMENT OF BOTANY

7-29-54

Dear Sir:

The Riccia sharpii + N.A. sp. of Asterella arrived in fine shape. I have credited your 50¢ on tegetia exchange and the Riccia is now going through the cultural series. Many thanks from Miss Hartman and I.

It is now certain that I will not be able to attend the Florida sessions. Our new dean thinks I should be on hand to serve as chairman of Sophs. advisors. Guess that can not be helped.

Will send you the List of Arkansas (Foray) Hepaticas + Missouri record of Sphaerocarpus michelii in a day or so

G. L. McGregor

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THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Aug. 21, 1954

Dear Gier:

Enclosed you will find a packet of Sphaerocarpus michelii from Missouri. Also a slide of the spores from one of the plants. It is very likely that some S. texanus is in the packet as the two species were growing side by side. In Kansas I nearly always find the two together as I have in Texas and again in Arkansas.

The only consistant difference I can detect between the two is the size of the Areolae on the spores. Other characters used in the literature vary but are useful. At times I have been unable to distinguish the species and guess some hybridizations have come about. I sent some material to Muller in Germany including a duplicate of the coll. I am sending to you. He verified that I had both species (and in the Missouri coll. too).

Sorry that I have been so slow getting the coll. to you but I have been in the field all sum er and trying to boss the building of a house. The latter takes some time with modern contractors. They seem to feel sloppy work is not so bad if covered up by plaster etc. I feel otherwise and words ensue.

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Wittlake finally got a job at Iowa State Teachers College in the same Dept. with Martin Grant. However he is going to teach Biology and Invertevrate Zoology. The salary was very good though so he took the job. He thinks he will be able to teach at Iowa Lakeside some in a summer or so.

I certainly envy you the trip to Florida and Cuba. The only good part for me is the promise that I will be able to get off for next fall in Michigan.

Best of luck on the trip. We would be interested in any Riccia species you might see.

With Best Regards,

Ronald L. McGregor

Dear Dr. Lier:

Sorry I have delayed getting the card to you. The date of the foray came so close to our semester end and summer school start that I had to wait to see how it would work out. It should be a very good trip. I have traveled over most of the area with Dwight Moore and feel he has selected some very good sites.

Bryophyte work has progressed to some extent the dry weather stopped some of my ecological variation studies for awhile.

Will you be at the Hays meeting?

Best Regards

R. W. Gregor

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THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

Prof Steer,

Enclosed are the two duplicates of the Missouri material which you desired.

Sincerely,

P H M

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THIS SIDE OF CARD IS FOR ADDRESS

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

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Dear Mr. Gier:

Many thanks for the specimen of Selaginella--very kind of you to send it.

I have a farm 7 miles s.w. of Mtn. Grove (my permanent address), where I'm trying to establish a grape vineyard (Catawbas). Hope to be there permanently within a couple of years. Why not come and see me--or call on me if I can help you?

Best wishes,

Adam McKinley
Big Spring State Park
Van Buren, Mo.

4 August 1953

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UNITED STATES DEPARTMENT OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

DIVISION OF
FOREST PATHOLOGY
416 PHELAN BUILDING
SAN FRANCISCO, CALIF.

San Francisco, California
December 23, 1935

Mr. L. J. Gier
Head, Department of Biology
Campbell College
Buies Creek, North Carolina

Dear Mr. Gier:

I am much obliged to you for your letter of December 4 and for your courtesy in sending me copies of your note entitled "Study of Peridermium gall on western yellow pine". I am glad to have it.

Personally, I am still of the opinion that the rust on western yellow pine and related pines which I consider to be the true Cronartium harknessii mihi is different from that on Pinus radiata and other pines of the Coast. The position of this latter one is still not quite clear. There was also never any doubt in my mind that the repeating in Cr. harknessii is at least locally a very important factor in the intensification of an infection on pines. I have seen whole stands of Lodgepole pines literally stunted with many trees dead, and the case you describe is of the same nature. But I do not believe that the rust is ever obligately autoecious. The spores from galls artificially produced by direct inoculations from pine to pine are as fully capable of infecting Castilleja as are wild aeciospores. That makes the rust a facultatively heteroecious one.

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I should imagine that the results of your control measures will probably not show up for some time, and I wonder whether it will not be necessary to repeat the operation after two or three years to catch the infections which were in incubation in 1933.

I would be grateful to you for keeping me informed with any developments.

Very truly yours,

E. P. MEINECKE,
Principal Pathologist.

MIAMI UNIVERSITY
OXFORD, OHIO

DEPARTMENT OF BOTANY

March 14, 1957

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

Dear Dr. Gier:

Thank you for your publications which arrived yesterday. I found your article on the microprojector of particular interest and we may even try it here. I still have the Hawaiian hepatics you sent me some time ago and live ever hopeful that I will get to them shortly.

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I am very sympathetic with your heavy teaching load. I realize the pressure of outside activities must put you on a 24 hour schedule. I am planning to attend the AIBS meetings at Stanford and expect to drive across the country. Do you expect to be in Missouri most of the summer? If so, I might be able to plan a short visit with you. These plans are not definitely crystallized and you can expect to hear from me again before I begin the junket West.

Most sincerely,

Harvey A. Miller
Instructor

Wrote H. 6-57

HAM/jkg

HAM/jkg

STANFORD UNIVERSITY
STANFORD, CALIFORNIA

DEPARTMENT OF BIOLOGICAL SCIENCES

23 April 1954

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

Dear Dr. Gier:

Please accept this application for membership in the American Bryological Society for Earl T. Ozaki, Department of Botany, University of Hawaii, Honolulu 14, Hawaii. He is a senior in botany and very interested in the study of bryophytes. He is a hard worker and did exceptionally well in the bryophytes course I gave last year at the University of Hawaii. He has found several new records for Hawaii and is interested in exchange of specimens with mainland bryologists.

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I hope my rushed card concerning your Hawaiian hepatics was received. I plan to spend this summer examining and evaluating types so I will be able to do your collections in reasonable time.

Sincerely yours,

Harvey A. Miller

Harvey A. Miller

P. S. Mr. Ozaki's dues for 1954 are enclosed.

APR 27 '54

P 14

SOUTH DAKOTA STATE COLLEGE
OF AGRICULTURE AND MECHANIC ARTS
BROOKINGS, SOUTH DAKOTA

DIVISION OF AGRICULTURE
DEPARTMENT OF BOTANY—BACTERIOLOGY

Nov. 18, 1942

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

Dear Mr. Gier:

Your request for a reprint of my paper on color photography has been received. I regret that there are no reprints for distribution. In fact, no reprints were made at all, for it wasn't much of a paper. My appearance before the Academy of Science was in the role of a demonstrator rather than that of a speaker or paper reader. Black-and-white slides and Kodachrome slides of different types were projected, showing comparative merits for teaching purposes.

The most significant conclusion arrived at was that projection slides of great teaching value can be prepared by making careful anatomical drawings in pencil, inking them with colored inks, and then photographing them with Kodachrome film that is adapted for use with artificial light. Since there are more colors among drawing inks than there are stains in any single microscope section, it is possible to get more differentiation into a drawing than a prepared section would show. The demonstration included photomicrographs in color, photographs of drawings in colored inks, and photographs of drawings done with wax pencils and water colors.

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Sincerely yours,

Ward L. Miller

Ward L. Miller,
Professor of Botany

January 4, 1945

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

Dear Dr. Gier:

Today I have received the parcel of reprints which you so very kindly sent me, including (1) "A preliminary key to the herbaceous dicotyledons of the Cherokee Strip of southeast Kansas", (2) "Flora of Crawford County (Kansas) State Park: Mosses", (3) "Study of Peridermium gall on western yellow pine", (4) "Histological study of the digestive system of the English sparrow", (5) "Anatomy of Taraxacum officinale Weber", (6) "Effects of ultrashort radio waves and ultraviolet light on microörganisms", and (7) "Root systems of bright belt tobacco".

It was most kind and generous of you to send me these fine papers and I am happy to have them. They will form a very valuable addition to my library.

It was a satisfaction to me to note your adoption of the abbreviation "B.S.G." instead of the "Bry. eur." used by so many bryologists, in your moss list. I have long felt that "B.S.G.", being the initials of the three principal authors of the classic work in which so many moss names were first published, is much to be preferred over "Bry. eur.", which is only the abbreviated name of the book. I know of no other instance in botany or zoology where the name of a book is given as the authority for binomials rather than the names of the authors, and see no reason why bryologists should make an exception in this case. So, I hope that you will continue to use "B.S.G."

With kindest regards and all best wishes for a healthful, happy, and very successful year, I beg to remain,

Digitized by Hunt Institute for Botanical Documentation

very sincerely yours,

Harold N. Moldenke

Harold N. Moldenke, Associate Curator,
New York Botanical Garden (on leave)

Box 240 North Warren
Pa.

227 - 260

Milton Hensel
Clay Co Chem
Mandeville

R C Benzing

Amianthus
amphibole
serpentine

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TELEPHONE LUDLOW 4-8500

THE NEW YORK BOTANICAL GARDEN
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August 16, 1949

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

Dear Dr. Gier:

Today I received the shipment of reprints, including "Bryophytes of Kansas", "Another method of cataloguing bulletins and reprints", "A simple photographic copying device", and "Using lantern slides in the biology laboratory".

Please accept my most sincere and hearty thanks for this valuable gift. I am delighted to have these papers for our library. In exchange, I am sending you copies of some of my own recent efforts.

With kindest regards and all best wishes, I beg to remain,

very sincerely yours,

Harold N. Moldenke

Harold N. Moldenke,
Curator & Administrator of the
Herbarium

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MISSOURI BOTANICAL GARDEN
2315 TOWER GROVE AVENUE
ST. LOUIS 10, MISSOURI
PROSPECT 5567

December 11, 1947

Dear Professor Gier:

The collections made by members of the Englemann Club are now incorporated in the Herbarium at the Garden. Just at present because of alterations in the building some of the specimens are not available, but soon after the first of the year it would be possible for you to consult any of the mosses and liverworts in the collection.

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I am,

Yours very truly,

George T. Moore
Director

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

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM
WASHINGTON 25, D. C.

June 18, 1956

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

Dear Dr. Gier:

Thank you for your letter of May 31 regarding the possibility of obtaining a position in the National Museum. We do need cryptogamic botanists here badly, for we have extensive collections, but they are poorly organized and there is much uncurated material. I have been trying to get additional help for years, but so far without success. However, I haven't given up hope. Still, it is fairly certain that there will be no positions open in the near future.

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If a position does open up, we shall be glad to consider you. I am not sure yet if we shall wish a bryologist, an algologist, or a lichenologist. I wish that we could have all three, but that is not in the least likely.

Yours sincerely

C. V. Morton

C. V. Morton
Acting Curator
Division of Cryptogams