



Hunt Institute for Botanical Documentation
5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
Web site: www.huntbotanical.org

The Hunt Institute is committed to making its collections accessible for research. We are pleased to offer this digitized item.

Usage guidelines

We have provided this low-resolution, digitized version for research purposes. To inquire about publishing any images from this item, please contact the Institute.

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.

AMERICAN ASSOCIATION FOR THE
ADVANCEMENT OF SCIENCE

The Centennial Celebration—Washington, D. C.

SEPTEMBER, 1948

S. A. CAIN, SECRETARY
SECTION ON BOTANY (G)

CRANBROOK INSTITUTE SCIENCE
BLOOMFIELD HILLS, MICHIGAN

3 Jan. 49

Professor W. F. Loehwing
Iowa City, Iowa

Dear Professor Loehwing:

The Northeastern Section of the Botanical Society of America was organized at Montreal in 1947 after which there was a wonderful excursion around the Gaspé Peninsula. Last year at the meetings in New Jersey the Section adopted its constitution. From the beginning several Michigan botanists were interested in the Section and the logic of including Michigan in the Northeastern Section was discussed from the first. This was officially accomplished, so now Michigan seems to be a legal member of two Sections. I don't know that any harm was done, but the matter will be discussed at our next meeting.

I am the current President of the Northeastern Section. At the 1948 meetings Cranbrook issued an invitation for the next meetings to be held in Michigan and the invitation was accepted. I have arranged joint sponsorship with the University of Michigan and we have a State Committee and a local committee for both Ann Arbor and Cranbrook. The joint committees met shortly before the holidays and determined that the 1949 meetings of the NE Section would consist of program meetings at Ann Arbor and Cranbrook on 20-21 August, followed by a one-week field excursion, 22-28 August, terminating in the Keweenaw Peninsula. Bill Steere has accepted the Chairmanship of the State Committee for these meetings and will probably shortly issue an invitation to the new (we're not so old ourselves) Section to join with us. If the Central States Section has any current plans for a 1949 field meeting that have not crystallized, we would like to know about them soon. Unfortunately, our dates are set because of agreements for quarters, etc.

Very truly yours,

Stanley A. Cain
Stanley A. Cain, President
Northeastern Section, Bot. Soc.



LESH OIL COMPANY

A. C. CARPENTER, PRESIDENT
M. F. WARD, MANAGER



OTTAWA, KANSAS

May 4, 1948

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

Dear Doctor Gier:

Last Sunday we called on the niece of Miss Grace Meeker who is living in her old home and has inherited what little she had left.

She said that she had found nothing in the way of a moss collection and nothing in the way of any writings that Miss Meeker might have made on mosses. She admitted that she had not been entirely through all of the boxes and would make a special hunt to see if she might find something along this line.

Unless you hear from me again you can take it for granted that there is nothing left here in Ottawa. I will keep on the lookout for this material but am afraid I will not be able to help you out.

Hoping that you will be able to find some other source of information on mosses, I remain

Yours very truly,

A. C. Carpenter

*Wrote
5/20/48*

UNIVERSITY OF WASHINGTON
DEPARTMENT OF BOTANY
SEATTLE 5

April 10, 1950

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

Dear Mr. Gier:-

The specimen which you sent me is Frullania eboracensis Gotts
Ventral lobes inflated thruout; not as in F. brittoniae inflated
in the upper part and compressed in the laower half of the lobe.
The stylus is subulate, 2-3 cells wide at base, while in F. brittoniae
the stylus is 3-5 cells wide at base.
The underleaves are unidentate

Your specimen reminds me of F. virginica Gottsche which
is now part of F. eboracensis

I will be glad to assist you with any Frullanias. At
present my time is somewhat limited since we have three large collections
to check. It would be several weeks before I could work on them.

Yours truly

Lois Clark

THE AMERICAN JOURNAL OF BOTANY

DEPARTMENT OF BOTANY, INDIANA UNIVERSITY

BLOOMINGTON, INDIANA

OFFICE OF THE EDITOR

9/6/40

Dear Dr. Gair:

At last I have your ms. back from the reviewers.

Neither reviewer offers suggestions for changes which I cannot make & I am therefore accepting the ms. for publication. Unless you wish to look it over again, I will not return it to you but will send it to the printer for inclusion in the November issue.

Sincerely yours,

Ralph E. Cleland

Clarksville, Tenn., 12 August 1953

Dr. L. J. Gier
Wm. Jewel College
Liberty, Missouri

Dear Dr. Gier:

In the moss exchange list for January 1952 I noticed your offering of Fissidens adiantoides var. semicristatus from Roane County, Tennessee. I didn't get any of this material and neither did Dr. Sharp at U.T. I have just compiled a list of new records for Tennessee and since this variety has not yet been reported for the state, the loan of would like to ask you for the specimen or part of it.

It may still be possible to include this record in the list and I ask your permission to do so if it isn't too late.

Sincerely yours,

Alfred Clebsch
Alfred Clebsch

P.P.Box 164
Clarksville, Tennessee

5048
from Schellert

4 August 1954

Dear Dr. Gier:

Thanks for your letter of 30 July with the Fissidens from the Schallert collection. At your suggestion I wrote Dr. Anderson at the time I was preparing the report of noteworthy additions to our knowledge of the Tennessee bryophyte flora and he told me that he considered it a clear case of F. cristatus. I had seen it offered by you on the moss exchange as F. adiantoides var. semicristatus and wanted to follow up all prospects of new records for Tennessee. After looking at the part of the specimen you sent me Dr. Anderson's decision appears to be correct. The plants have a very distinct border of lighter colored cells; even young plants show signs of such border. The cell size nowhere exceeds 10 microns. In my estimation it is as typical F. cristatus as any I have from Tennessee. I have seen plants with a much less definite border that still had to be assigned to this species. Grout retained F. adiantoides var. semicristatus in his monograph for the New York Botanical Garden. Whether or not it is a valid variety depends on one's concept what a variety is. But the distribution of this one is given as Florida and the leaf-border is to be scarcely visible. Both of these features count against your plants belonging to this variety.

In turn I am sending you some plants of Fissidens adiantoides collected in Tennessee and determined by Dr. Steere. They show plainly that the leaf cells reach the size of 15 microns in this species. They grew intermingled with some Fontinalis which may already have been determined by Dr. Welch. I'll have to find out in Knoxville.

There wasn't much to tell from our trip to southern Missouri a year ago. We are indebted to you for warning us of the drouth conditions existing there. When my son and I met in Grand Junction, Colorado, to plan for the few days available to us, we decided on the strength of your warning to spend the better part of ~~it~~ ^{our time} around Aspen, Colorado, and to cut our look into southern Missouri to a minimum. We collected 300 specimens in Colorado, being there less than two days, then studied the bryophytes of the shelter belt in Kansas a little bit on our way through, and aimed in Missouri particularly for the Great Gulf near Thayer which Dr. Anderson had missed and wanted to know something about. Since the lower parts (topographically speaking) of this formation get a big wash in heavy rains and yet support a rank growth of grasses and weeds, bryophytes were absent in the bottom of the "Gulf".

18 August, 1953

Dear Dr. Gier:

Thanks for the information on your No. 5048, Fissidens adiantoides semicristatus collected by Paul O. Schallert. Since I am in correspondence just now with Dr. Anderson about his collecting trip through southern Missouri I will ask him about this material.

It would please me greatly if you had found Fissidens Clebschii. The type material is sterile and fruiting material would help our knowledge of the plant. I have toiled many hours trying to find it again in the type locality and every one that is similar to it in this area, but it has all been in vain. The collection of the type material was small and it is all that's known so far.

I am sending you, for examination, a little of the type material. You will notice that its looks are striking. Any fair hand lens will tell you in the field whether you have it or not. That is one good thing about it. To confuse it with immature F. minutulus is not very likely.

Digitized by Herbarium of the University of Tennessee
If plans work out, my son Edward and I will be in the southern part of Missouri between 10 and 15 September for a brief collecting stop in the Ozarks on our way home from Denver. It seems that we can take on a little project that may supplement Dr. Anderson's collecting tour. Our interest is at present centered on the counties of Taney, Ozark & Howell where Dr. Anderson thinks we can find good collecting sites.

There was also consideration given to the southern part of the counties of Webster, Wright & Texas. It seems to be a watershed area and if any moist woods still existed on the top of the watershed, they would be very attractive to us. But Dr. Anderson had driven from Springfield to Cabool over US Highway 60 and what he saw looked unpromising to him. He pointed out that this was not conclusive proof. We may follow the hunch a little farther by making at least a few inquiries locally. Do you happen to know if topo maps are available for this particular section? Any other information you have on it will be helpful.

Sincerely yours,

Alfred Clebsch
Alfred Clebsch

P.O.Box 164
Clarksville, Tenn.

8/21/54

We made stops of our own choosing on the way down there and on the way back to our highway we stopped at Greer Springs which Dr. Anderson, with good cause, had recommended to us. From our very limited observations we had no encouragement that we might find undissected upland where distinctive bryophytes and vascular plants would hold out. You and Dr. Anderson had already told us that.

We do not think that there is anything of special interest among the approximately 70 specimens we collected, although some of the items are not every day occurrences for us here. I prepared the enclosed list because Dr. Anderson wrote he might call on me for such. Kindly return it to me after you have looked it over. Some of the identifications have been carried only to the genus and some of the species determinations may require revision. It will at least show you where we went and give you a general picture of what we picked up.

The meetings at Gainesville are out of my class. I think my son Edward who is a botany major at the University of Tennessee will accompany his professor, Dr. Royal Shanks there. I will tell him to be sure to look you up, if he does go.

Sincerely yours,

Alfred Clebsch
Alfred Clebsch

P.O. Box 363
Clarksville, Tenn.

Leptodon trichomitus
Radiola andicola

11 August 1954

Dear Dr. Gier:

Your letter came yesterday. The duplicate of Fissidens adiantoides was for you to keep. Also for you to keep I am sending you parts of the collections you wanted to see.

It will be of interest to have your opinion of the Leptodictyum riparium 13613, from Thomasville. There were a few fruiting plants in the collection. They are with the material I kept.

Leptodon trichemitrion immersus is, from what little I have seen, quite distinct. 13664 from the Great Gulf at Thayer is very different from 13674 collected at Greer Springs just as reference that it wasn't ohiense. So there wasn't quite enough to divide. But the parachaetial leaves barely reach the bottom of the capsule with their tip, while in 13664, var. immersus, you see them envelop the capsule. Here at home I have found the same clear distinction, sometimes between colonies growing rather close to each other. One naturally thinks of Leucodon brachypus and julaceus.

Of the Radula andicola 13666 there is plenty material on hand. We found it in Coffee County in southern Tennessee in a similar locality (maybe not quite as beautiful). That and other Tennessee material sent to me is more intertangled with Anomodon. When we saw the pure stands at Greer Springs we helped ourselves. Dr. Anderson is bound to have collected it there.

I started to send you the Trichostomum showing a question mark on the list. But when I opened the package, I saw among my notes of points seen under the microscope that costa and leaf angles were long decurrent on the stem. So I expect it will prove to be Didymodon tophaceus.

The Philonotis 13627 is not Pohlia Wahlenbergii. The leaf cells show papillae at the upper end throughout the length of the leaf. The plants seem too delicate for marchica. I am going to include them in a series to be submitted to Dr. Flowers and should they be something other than that or fontana, I'll pass the information on to you.

Please send me a copy of the reprint on Atrichum angustatum. Publications in the Bryologist and correspondence with A.J. Sharp had just convinced me that it and McMillani should go as xanthopelma.

With best wishes for your trip to Florida and the success of your paper.

Sincerely,

Alfred Clebsch

P.O.Box 363
Clarksville, Tenn.

Tuesday, 17 August 1954

Dear Dr. Gier:

Thanks for your letter of the 14th and the various reprints. I have read the one on Atrichum with particular interest. Dr. Sharp is supposed to come through here the next day or two and if he does I'll ask him what he wants to call our Tennessee Catharineas now since those in Europe got the goose bumps too.

You are, of course, the one to publish the Missouri records and we are glad that you can use a little of the results of our collecting.

Our local Leptodictyum riparium obtusum runs larger than the plants we picked up in Missouri. I'm glad to have your decision on them. Since you and Dr. Conard have reached some conclusions about Leptodictyum I'd like to have you take a look at a specimen Edward picked up early last year at the Virginia / West Virginia line. I'd be inclined to call it forma flaccidum (L. & J.) Grout. No hurry and no need to return the duplicate.

Sorry to hear of Dr. Conard's failing health. I like his little manual; with that many species added it would become a handy time-saver when you get out of your own range. Although I never had any correspondence with Dr. Conard, I was on the point of asking him for help with some of the Brachythecium in the rivulare complex we collected in Colorado. Of course I won't bother him now.

Have written Edward to hunt you up in Florida. Hope it's a nice convention.

Sincerely yours,

Alfred Clebsch
Alfred Clebsch

P.O. Box 363
Clarksville, Tennessee

Clarksville, Tenn.,
20 September 1954

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

Dear Dr. Gier:

In my letter of 11 August I mentioned a number collected at Greer Springs and tentatively put down as Trichostomum sp., but expected to turn out Didymodon tophaceus on account of decurrent leaves. Further examination and comparison with that species showed that the Greer Springs plants were not it. The leaves had papillae on the lower, hyaline cells and there were also papillae on the stem.

I asked Dr. Sharp for help and just received his answer that my No. 13670 is Gymnostomum recurvirostrum Hedw. var. scabrum Lindb. His decision is fully convincing. You may already have this variety on your state list. If not yet reported, let me know and I shall be glad to send you a part of my specimen.

Dr. Sharp also noticed that Radula andicola Steph. was growing with this moss. The hepatic was abundant at the site and could hardly escape the attention of anyone who collected there. I am sure Dr. Anderson must have it since he put us on to Greer Springs and mentioned that he had collected there extensively.

I was glad to hear from you ~~through~~ my son Edward.

With best regards,

Alfred Clebsch

Alfred Clebsch

P.O.Box 363
Clarksville, Tenn.

Thanks for your letter of 21 August, identifying the Leptodictyum I had submitted.

Dear Dr. Gier:

I think this will satisfy
you as being real Gymnostomum
recurvatum var. scabrum.

I hope you'll favor me with
a reprint of the Missouri Bryophytes.

Thanks for your note regards,

Alfred Clebsch

27 Sept. 1954

...at six) and we
instructors by Christmas.

back to your old state again,
by to see us.

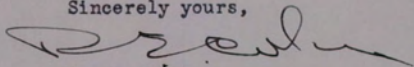
Sincerely yours,

W. C. Coker.

Digitized by Hunt Institute for Botanical Documentation

...ould get help or more particular information
at the University of Missouri, or would
Secretary, Dr. L. V. Damm, Department of
Chicago, Chicago, Illinois.

Sincerely yours,



R. E. Coker

GRINNELL COLLEGE

GRINNELL, IOWA

DIVISION OF
NATURAL SCIENCES

Nov. 1 1942

Dear Dr. Gier:

Your letter of Oct. 27 relative to Bull. Moss. Soc. is noted with interest. As to publication of papers in Amer. Journ. Bot., that is a good idea. Some of our members are already doing so. We can publish in various other journals too. I put local material in Pac. Iowa Acad. Sci. Our editor might well advise authors to do this. I will suggest it to him. I am sure, however, that many members are devoted to our own little journal. I would regret to lose its identity exceedingly. But rather than have no publication, I would certainly choose to use one number of some other journal. We will keep your suggestion on hand, in case things get a lot worse.

Thanks very much for your letter. Your interest in the Society helps a lot. I wish we could foray together some time and get acquainted.

Sincerely Henry Bonard

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

11-8, 1948

Dear Professor Gier:

your 819 is *Embryonchium serru-*
latum. The strongly serrate, slender and
twisted acumen of the leaf is my guide.

816 is a form of *Bryum argenteum*,
unusually tall and branched, but not
var. *lanatum*. That var., I believe, has
the midrib running out into the
slender tip of the leaf, as yours does not.

Thanks for the specimens,

and come again.

Sincerely

Henry S. Conard

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

V-15-1948

Dear Professor Sier:

Your 743 is *Porella platyphylloides*,
lvs. membranous, underleaves and under-
lobes large. *Plagiochila* is succubous
and has no underleaves or underlobes.

874 is *Reboulia hemisphaerica*
with thallus ^{usually} ~~minutely~~ ^{marked} ~~narrow~~ and
unusually closely rolled up in drying.
889 *Reboulia hemisphaerica*

1073 is a moss: *Physcomitrium*
turbidum; at least that is all
I found.

1038 must be *Friedens Hallianus*,
a rare thing that I have never found.

F. Julianus is frequent in Missouri;
this might be a bizarre form of that.
Capers would decide it, - but you
never find any on either species.

Come again

Yours

H.S. Conard.

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

V. 30-1946

Dear Professor Sier:

Please pardon my haste in missing the little Riccia in your former shipment. I have examined your second shipment and find it rather puzzling. Indeed I wonder if the species are adequately described! I feel obliged to call this one Riccia Beyrichiana. The thallus and spores will pass for this, though it lacks marginal cilia, the thallus seems deeper (thicker) than we expect, and the markings on the spore are denser than figured. These characters point to R. dictyospora, but it lacks the marginal scales attributed to that species. I shall file it away as R. Beyrichiana. Check it out for yourself and let me know what you think!

Cordially H. S. Conard.

I can't recommend any better way to keep Hepatics. For home use bottles of dilute glycerine are excellent.

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

Milford, Iowa
Iowa Lakeside Lab.
VI-14-1948

Dear Professor Gies:

I believe one of your earlier shipments contained a *Fissidens* which I sent to Steere. At any rate I sent one to him and he says it is *F. limbatulus*. If so, and it came from Missouri, it is a long way from its usual haunts. Dr. Steere properly kept the specimen, and did not mention any identifying marks in his letter.

Your #10 W. B. Drew seems to me to be correctly named *Hymenostylium* (*Gymnostomum*) *recurvirostrum*. I think I have it from Tacey Co., too.

Your Univ. Mo. 10399 Col. Theresa Reckert⁹⁵ seems to be *Bryhnia graminicolor* var. *Holzingeri*. Cells $\pm$ papillose by projecting ends.

We have over 50 people on the
Lakeside Campus this term, mostly
mature people with serious in-
tentions. I have one full-time
mass student and two on half
time. And I didn't expect any!

So my own studies will not go
quite as fast as expected. Can't
you drop in for a visit, or for
the second five weeks?

Cordially

H. S. G. Conrad

Taney Co., Mo. 2 hours on rocks where highway from
Springfield crosses the river, and 1 hr. in a glen, west of
Forsyth, west of the creek and over the
hill north from the road.

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

Lakeide Lab

VI - 22 - 1948

Dear Professor Gies:

Your *Bruchia Sullivantii* is O. K.
A queer little thing that comes and
goes in Iowa, but can be picked
up in the northeastern^{U.S.} in almost
any recently abandoned field.

We drove around on Long Island
following Dr. Groot as he looked
for a likely spot. Then he
dodged into an abandoned field
that looked favorable to him,
and there were *Bruchia* and
Pleuridium.

That *Fissidens* is surprising. Could
it possibly be introduced? I have
2 introduced *Grimmia* near Grinnell,
a rare *Hygrohypnum* adjacent to a
fish hatchery, and the *Physcomitrium*
immersum in Oregon (Bryal). Is this
another?

Yours H.S. Conard.

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

VII-7-1948

Dear Professor Gier:

Your explanation of the *Frischens* is by far the most plausible one. And yet I am sure I saw a good wide border on the vaginant lamina of one of the leaves, but could not repeat the observation. It will be very interesting if *F. Hallianus* sometimes has a border.

On my visits to big springs in southern Missouri I find lots of *F. Julianus*, as I suppose, and as Dr. Welch named it. That species should be considered.

I am sending your card to Univ. of Mich.

Of course I was interested in the verdicts on your *Puccinia Beyrichiana*. I feel sure the spores are not those of *P. sorocarpha*.

Thanks and best wishes.
H.S. Conard.

HENRY S. CONARD

1310 ELM STREET
GRINNELL, IOWA

111-14-6948

Dear Dr. Greer:

Your 1151 is the thing that I habitually call *Fissidens minutulus*, according to MFNA and N. Amer. Flora. Leaves bordered, widely below, $\pm$ obsolete above. Sporophyte terminal. Habitat typical.

Cordially

H.S. Conard.

Glad to know you feel satisfied about *F. Hallianus*.

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

Lakeside Lab
Milford, Iowa
VIII-13-1948

Dear Professor Gier:

Far be it from me to name
a sterile Bryum! But I see no
good reason for excluding your
#1180 moss from *B. caespiticium*. The
cells are long, and thin-walled,
and many of the awns are long
enough! I am labeling mine
B. caespiticium.

I'll be out of reach from now
until Sept. 16. I hope your vaca-
tion may prove refreshing and
enjoyable.

Sincerely

Henry S. Conard.

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

X-12-1948

Dear Professor Gier:

Your two mooses, 1164 + 1165,
are *Leptodictyum riparium*
var. *obtusum*. See figures and
description in MFNA. It is
the form I find so abundant
and large in the big springs
of southern Mo. The branch
leaves of 1164 have shorter, wider
cells. Probably it was such
a plant that was named
Anthlystegium laxirete, but
I have not finished that problem
yet.

Your eastern trip must have
been extremely interesting. The
bryologists have been pretty busy
in Ontario and Quebec.

I was in Yellowstone and
the Tetons in late August and
early September. Don't know
when I will ever examine my
collections. Last year's col-
lections are still in rough
papers just as I collected them.
and I have a few hundred
specimens on hand to name
for correspondents. It is fine
to have lots of interesting material
in sight!

Yours

Henry S. Gouard

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

II - 7 - 1909

Dear Professor Gier:

Nothing has been said to me yet about the summer session at Iowa Lakeside Laboratory. And I have no plans. I should get some information on Thursday when I go to the University.

My present very tentative desire is to spend the first 5 weeks at Lakeside, June 13 - July 16, and then go to Beartooth Lake, Mont., and the Tetons. How would that suit you?

A number of my Missouri mosses are not yet placed in the herbarium, but I would be glad of an urgent call to replace them. Probably I could find somebody who could list them all for you. I suppose you want the name of the species and the county. And would next fall be soon enough?

If I go to Lakeside I shall be delighted to have you there as co-worker. I will be identifying my western collections. As soon as I know anything about the

summer I will let you know.

Sincerely

Henry Leonard.

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

II-23-1949

Dear Professor Bier:

My summer plans are still altogether plastic. I will be at Lakeside Laboratory the first 5 weeks of the term, or the second five weeks, or both. In many ways the wisest thing would be both.

Would you plan to be there for the whole 10 weeks, perhaps with your family, like the Hamiltons of Park College? Or would you prefer the first or second five weeks (presumably June 20-July 23, or July 25-Aug. 26; the bulletin is not out yet, the date might be a week earlier)?

And would you want a general survey of Musci, or work only on your own collections? And what about Hepaticae?

Your good fellowship insures an interesting summer.

Sincerely

Henry S. Conard

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

III - 2-1949

Dear Professor Sier:

Yesterday I told the director of Lakeside Laboratory that I would stay for the full ten weeks at the Lab. I am now convinced that that is the sensible thing for me to do. So we will look for you just as soon as you can get there, and for as long a stay as you can arrange.

The Laboratory is supposed to supply microscopes. There was a shortage last year. I will take my own. If you can easily bring a binoc. diss. mic. and a compound mic ($\frac{2}{5} + \frac{1}{4}$ in. obj.) you will be sure of having them all to yourself.

I will take a lot of Musci and books. If you can bring Moss Flora of N. Amer. 3 vols. and Mosses with hand lens and microscope, it will be to your advantage.

We can pigeon-hole your pleurocarps in a hurry, but there will be many problems that no one has yet solved.

Now comes a proposal for a Moss Foray

in north-central Ontario about the end
of August, which looks most inviting.
I haven't looked up the routes and
distances and am not sure I can go,
but maybe we could go together!

yours
Henry Leonard.

The Lakeside circular is not out yet.
I'll send you a copy as soon as it
is available. Would some of your
colleagues like to do some field biology
in n.w. Iowa?

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

V. 8-1949

Dear Professor Grei:

Your registration has been received at Iowa City. One other mass student has registered. I will bring a general collection for study and a big lot that I want to identify. I will have M.F.L. N.A., and M.H.M., Dixon, Macvicar, and Ammon's Hepaticae of W. Va. We should not need anything else. You will be wise in bringing compound mic. and dissecting mic.

The circular has answered your question about housekeeping. There are no facilities. Bring plenty of blankets and warm

clothing. The first and last weeks of the summer term are likely to be very uncomfortably cold. The buildings have little or no heating facilities. Of course, much of the summer you would rather not wear any clothes at all! But I use a blanket nearly every night.

Thank you the extra 47-85- from Clear Spring may be returned. Just bring it along to Lakeside.

Yours
H. S. Conard.

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

Lakeaside
VII-14

Dear Dr. Gier:

Enclosed are the two mosses.
I would not seriously commit myself
on a sterile Bryum, and I have no
B. cirrhatum here for comparison.
The geographic range is all against
it.

Dr. Hulbary & Billy (8 yrs) ^{from SU1} are here
to stay till the end of the term.
I am boxing up mosses to ship home,
but have plenty out still. We
plan to see Redrock Falls in Minn.
this week, and to make another
trip to Silver Lake Jan.

Yours

H.S. Conard.

Lakeside Lab
Aug. 4 1949

Dear Dr. Gier:

It is good to have at least a partial report from you. Since you have been to Roaring River again, I will not need to go there!

Your 1251 is *Cratoneuron filicinum*
var. *aciculatum*

1817 is *Anomodon tristis* or
Haplodymenium triste.

Of course the chief authority on
Sphagnum is Blomquist. But
I think Drexler is about as good -
perhaps better. However he may
be too busy to work on them.

Try him: Prof. R. V. Drexler
2925 Oakland Road
Cedar Rapids
Iowa.

We are mostly occupied with
the Glöwenke collection now.
I took everything else back to

Cornell last Friday, and brought here my western collections of 1947. I am putting these into envelopes ready for naming.

Miss Gentry came back last Sunday evening. Her mother is normal mentally but is bedfast.

Dr. & Mrs. Brooks of Cornell College, Iowa, are now at our table. And Christine had her hair cut today!

Best wishes to both of you.

Sincerely

H.S. Gentry

P.S. I think I would name an *Anomodon* according to the majority of the leaves rather than according to the branches. But on signing up a whole specimen I might feel differently! Not much comfort in that! Send me one.

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

Canada
1111-9-1949

Dear Dr. Grev:

your 1689 is *Fahokia ciliaris*,
"a lovely wee thing" as my Irish
friend would say.

706 is *Anom-mun* all right, the
attenuate shoots being unusual.

424 is *Amblystegium varium ovatum*.
Not papillose. Where did Anderson learn
his mosses — or did he?

Wish you were here with us.
We are busy on Glouvenke mosses
and mine from the Sierras and
Rockies.

Cordially
H.S. Conard.

THE IOWA LAKESIDE LABORATORY

FOUNDED BY

ALUMNI OF THE STATE UNIVERSITY OF IOWA

1909 A. D.

LOCATED ON WEST OKOBOJI LAKE
MAIL AND TELEPHONE ADDRESS
FROM JUNE TO AUGUST, INCLUSIVE

MILFORD, IOWA

REMAINDER OF THE YEAR
CARE OF STATE UNIVERSITY, IOWA CITY

VII - 12 - 1949

Dear Dr. Brier:

The two mosses show unmistakable signs of the species I have indicated. And we think your *Campylopus* #1830 which you gave to Mr. Lowy is *C. chrysophyllum*.

We have had lots of rain recently. We plan to see the Sioux Quartzite canyon in Minnesota and another look at Silver Lake for

Digitized by Hunt Institute for Botanical Documentation

~~we will be there in the morning~~
I've done as much as I can on the California collections of 1947 and am starting on South Dakota.

Yours

H.S. Conard

Dr. Hulbary and Billy of SVI will be here for the last weeks.

THE IOWA LAKESIDE LABORATORY

FOUNDED BY

ALUMNI OF THE STATE UNIVERSITY OF IOWA

1909 A. D.

LOCATED ON WEST OKOJOJI LAKE
MAIL AND TELEPHONE ADDRESS
FROM JUNE TO AUGUST, INCLUSIVE

MILFORD, IOWA

REMAINDER OF THE YEAR
CARE OF STATE UNIVERSITY, IOWA CITY

VIII-19-1949

Dear Dr. Sier:

Your 2187 is *Barbula Ehrenbergii*, a rather rare find. I am keeping it. The others are enclosed, — all subject to your verification.

We are already — Friday morning — busy packing up for our departure. Miss Gentry is going after lunch. I will leave after breakfast Saturday. Silver Lake fern

was gorgeous yesterday with *Parnassia*, *Adiantum*, *Kalmia*, *Gerardia purpurea* and *Sentiana procera*.

Best wishes.

H.S. Conard.

Dear Dr. Gier:

I am sending two big boxes of Missouri mosses just as I pulled them out of the herbarium. Probably many of them will be of no interest to you, but you may be the judge of that. Please note on them any corrections or suggestions that occur to you. And where the material is ample, retain a portion of anything you want.

I did not go through my hepatics. They are pasted on hb. sheets and quite impossible to manage. I sent a few loose ones.

Keep these as long as you wish.

Did you see the note about the Nelson herbarium,
7000 specimens mostly from Missouri? I'll try to
see the Iowa material at Duke next month.

A week ago we were rolling along on our way
from Lakeview to Grinnell. Had a very nice trip.
Mr. Lowy and Dr. Hulbary of SU1 and Billy Hulbary came
with me.

Best wishes.

Yours

H. S. Conard

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

1X-2-1949

Dear Dr. Grier:

I am sending the book and a few more mosses in two packages. I do not remember what price I named on the book. If you do, send it along.

Do not return postage on any of these shipments. That is well repaid by your comments on the names.

Cordially

H. S. Conard.

Leaving for N.C. Sept. 26. Plan to be at Duke about Oct. 21. I'll learn all I can, about Nelson Hb., Griseb Hb., and A. B. S. Hb.

Boys mid 599
H. Huntell oval
H. Huntell oval
L. Morgan often

THIS SIDE OF CARD IS FOR ADDRESS



Prof. L. J. Grier
502 S. Leonard ST
Liberty
Mo.

May get at your mosses this week -
If not, some time in November.

Had a grand tour of N.W. Iowa last
week with Dr. Dansereau of Montreal.
Will start for Ill., Ohio, Penna, N.C. + Tenn.
on the 26th.

Boze Mill Spring
Oregon Co, Sec. 16,
T 25 N, R 2 W.
10 miles east of Alton

Best wishes,

H.S. Conard

Sept. 20th 1949

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

IX-21-1949

Dear Dr. Bier:

Your 2214 is an *Eutodon*;
I would think it is *E. compressus*.
I do not know of any way
to identify immature specimens
with certainty.

2215 is *Leskea gracilescens*,
strongly papillose; also very
immature.

Had a wonderful week with
Dr. P. Dansereau, including a
glimpse of Lakeside Lab.

On Monday I expect to start
for Ill., Ohio & N.C.

Best wishes.

Yours
Henry Conard

Nov. 11, 1949

Dear Dr. Conard,

We have been wondering when you would be back home and what kind of a trip you had. We had a letter from the Johnson's saying you were back.

I have had quite a good time this fall going through your mosses. I did not find so many new ones but there were a few. For the most part, I could not disagree with you on the identification. Again, there were a few, which I could not make out as labelled. Both specimens of Barbula unguiculata seem to be B. cruegeri. I found no propagulae, the stems were red, lvs mucronate, & teeth fragile on the one.

Several of Kellogg's Entodon seductrix look like E. cladorrhizans to me. I am not willing to argue the point, however.

The Grimmia apocarpa^{from Taney Co} looks to me like Barbula?

I couldn't make Hygrohypnum out of either of the specimens.

The Leskea australis I would call obscure. I have found most of my obscura and gracilescens have small leaves.

One specimen of Leucobryum glaucum checked as L. albidum.

The Thelia lescurii from Taney Co. runs to T. hirtella.

I made notations on the packets of each of the above and also stamped each of the packets or cards showing that I had examined them this fall. I finished checking them last Friday, then photographed the labels last Sat. I developed the last roll of film this morning. I appreciate the opportunity to examine this collection. As soon as I have time to correlate the material, I will let you know just how many new state records were in the bunch. The majority of them were new county records with the exception of some of those from Shannon and Taney counties, from the standpoint of specimens which I have seen. Of course I had quite a bunch from Taney and Drew had many from Taney. I am ready to return the collection as soon as you wish.

We made a trip to Camden on early in Oct. and collected 415 specimens in 8 counties. Have also gotten some good collections from this county this fall. Found a large lot of F. hallianus last week and also a nice little patch of F. obtusifolius in fruit, and some Fabronia ciliaris in this county. Am enclosing two queer ones for your verdict. A friend got me a bunch of plants from Pike Co., where Drummond made the first Missouri collection.

Let me know when to send the plants. Again, thanking you
I am

THIS SIDE OF CARD IS FOR ADDRESS



Prof. L. J. Gier
Wm. Jewell College
Liberty
Mo.

Biology

Send the mosses any time - to
my home address. 1310 Elm St.
I'll be glad to check up on the
doubtful ones, and will report
on your two soon. I am about
through with the Glowerke set!

yours H.S. Conard

Nov. 16.

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

X1-13-1949

Dear Dr. & Mrs. Gier:

Thanks for your very clever greeting card for Sept. 12. I spent the day gloriously touring in northwest Iowa with Dr. Pierre Dansereau, plant sociologist, of Montreal. We had six great days together.

In Oct. 25 and 26 I was in Durham, N. C. I met Dr. Anderson and Oosting for the first time. We were interesting curiosities to one another.

The Nelson herbarium is still in the basement, unopened. Maybe they can someday pull out the Missouri material for you, and the Iowa material for me. After one or two more

winters in Iowa I think I'll go
to North Carolina for good. Then
I'll see the Nelson collection,
if not sooner. Maybe you
can get yours in time to bring
them to Lakeside for the first
term next summer. Dr. Winona
Welch proposes to bring her
Indiana mosses.

Then we could all go to
the Black Hills, Bighorns, Bear-
tooth Plateau, Yellowstone and
the Tetons!

Best wishes,

Henry Bernard.

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

X1-18

Dear Dr. Gui:

Your *Anomodon* has shorter
tips than usual, but is surely
A. rostratus.

The *Cratodon* has leaves "revolute
to near the apex, then plane and
denticulate".

Sorry! But we are all doing it.
Come again.

Yours

H. S. Conard.



THIS SIDE OF CARD IS FOR ADDRESS

Prof. L. J. Guér
Biology
Wm. Jewell College
Liberty
Mo.

Thanks for the fine *Weisia viridula*
and *Thelia asprella*.
Come again!
Merry Christmas.

H.S. Conard
X 11-21

The mosses arrived some time ago. Thanks.

In putting them away I found
Anomodon rostratus from Greene Co., Mo.

Bryum bicolor from Jefferson Co.

Fissidens subbasilaris from Shannon Co.

You might want to see the *Bryum*. I would!
The others are unmistakeable, generally.

Have laid out the questioned ones for study if
I ever have time. Final report to Glouvenko (except
a few *Sphagnum*) went out today. Sunday x 1-27
Yours H.S. Conard.



THIS SIDE OF CARD IS FOR ADDRESS

Prof. L. J. Gier
Wm. Jewell College
Liberty
Mo.



THIS SIDE OF CARD IS FOR ADDRESS

Prof. L. J. Gier
~~Chicago~~
Wm. Jewell College
Liberty
Mo

Thanks for the *Leptodictyum* from Meramec
Park. That will save me a side trip.
Haven't put it under the microscope
but it looks like "*laxivete*" which I am
almost ready to call a species. Either it is
a species or *L. brevipes* is a variety. Can't
decide. I'll have to do some more work
on them. I hope you can at least
make a call at Lakeside. Better stay a
while.

Yours H.S. Conard
II - 26-50

Dear Dr. Sier:

Your moss ²³⁷⁶ ought to be *Philonotis*
longiseta, by general appearance and
habitat. But it traces to *P. marchica*.
The differences in leaf and cell are not
easy to make out. See if you can force
it into *longiseta*. In Iowa that sp.
occurs in a very few places on weathered
faces of porous calcareous sandstone
facing north. Come again.

Yours H.S. Conard.
Jan. 6 1950

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

III - 18-1950

Dear Dr. Gier:

Your little hepatic is *Sphaerocarpon texanum*. If you can get ripe spores they will help in checking the title. Cf. Faye & Clark. I have never seen spores. The plant seems to be abundant in the southern $\frac{1}{2}$ or $\frac{2}{3}$ of MO.

I'm still busy on various interests, and eager for warmer weather.

Best wishes

H.S. Conard.

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

May 2 1950

Dear Dr. Gier:

Your little moss has unsymmetric capsules, which is unusual for Bryum. The teeth have the fine transverse lines characteristic of Hypnaceae, and it is pleurocarpous. It is nearer to *Leptodictyum trichopodium* than to anything else I can think of. That species fruits abundantly, but usually with larger capsules. It has a costa and median cells like yours, but should be distinctly acuminate, as yours is not. However, I cannot possibly consider it into *H. virgatum*. So *L. trichopodium* seems to be the best guess. "On rock in running water" is a queer place for it too.

I have just finished a first draft of "The Vegetation of Iowa", 330 pp. With a year of revising I may have something for publication.

For the meeting at Columbus, Sept.
11-13, I have agreed to report on
Amblystegium laxirate, so I'll have
to arrive at some conclusions before
that date.

Haven't any big plans of my own
for the summer, but plan to keep busy.

Glad to hear from you and to
share your peculiar finds. And if you
ever find or whenever you find grounds
for questioning my pronouncements,
be sure to let me know.

Best wishes.

Sincerely,

H. S. Conard.

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

V-16-1950

Dear Dr. Gier:

You know it is unlawful to submit a sterile *Bryum* for identification! (MHM) However your specimen has archegonia. I think it is an etiolated *B. caespiticium*. The capsules belong to *Funaria hygrometrica*. The *Bryum* has chloroplasts almost big enough for capillare, and mature leaves might have large enough cells for that species, but the ex-current costa is too long. It might be. Spring is at its height here now; all of the fruit trees are in bloom from plum to apple. It is a great sight.

Yours

H.S. Conard.

Lakeide Lab

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

vii-9-1950

Dear Dr. Greer:

You really started something last year by bringing your mosses here for identification. This year we have specialists from Texas, Indiana and New York (N.Y.) with similar collections, all working against time to accomplish as much as possible in 10 weeks. Already 4 weeks are gone, and the first term will end on the coming Friday. We have been to Estherville, Silver Lake Fen, etc., and plan to go to Minnesota on ~~Fri~~ Wednesday.

Dr. Lawton and I have gone over your two shipments with the following results:

3217 we think is *Leptodictyum laxitate*; not quite broad enough ~~and~~ and ~~too~~ ~~also~~ not abruptly acuminate enough for brevipes.

3298 we prefer to call *Hygroambly-
irriguum* approaching *orthocladon*. But
you wouldn't be far wrong, if at all,
in calling it *orthocladon*.

✓ 3308 we think is certainly *Fabronia
ciliaris*. The capsules dried up without
making spores or peristomes. It does
that sometimes. And the peristome is
fragile. Cf. *F. iridopneura* as discussed in
Strachenta of Iowa III. Bryologist. Also *Aglyphaea*
flavescens.

✓ 3317 *Hyphnum Patientiae demissum*.

✓ 3328 *Hygroamblystegium fluviale*

✓ 3330

"

"

✓ 3368 *Frullania sboracensis*. There
are small trigones and intermediate
thickenings, all badly obscured by
the glyc. jelly. The underlobes can
be "explanate" at times, it seems,
in any *Frullania*. In *F. riparia*, on
rocks, they are all explanate. If this was
on bark, I would think ^{there} was no doubt
of its being *sboracensis*.

Drop in on your way north for vacation.

Cordially

H. S. Conard.

Lakeside

HENRY S. CONARD

1310 ELM STREET

GRINNELL, IOWA

11-17-1950

Dear Dr. Gier:

Your remarks about the *Fabronia* are very comforting. After writing as I did, I noticed that we were dealing with one of Sharp's species, identified by himself. However, I still think my former estimate is correct.

The one enclosed this time your 2619 is *Timmia megapolitana*. You can decide for yourself about the form. Glad to have it.

Sincerely

H.S. Conard.

HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

Lakeide Lab
VII-19-'50

Dear Dr. Gies:

You questioned some of my *Hygrohypnum* from Mo. last summer, so I have examined them again, with the help of Dr. Lawton. You were right on one of the envelopes. It was *Leptodictyum*, except for one twig. I enclose a portion of what we believe is really *Hygrohypnum*.

Our work has resumed at high speed after the weekend of changing terms. The clinic ladies went to Itasca & Winnipeg, and brought back considerable collections.

We had 0.65 in. of rain yesterday and 1.73 during the

night. The clouds are still
heavy and black. My little
stove at the lab runs
constantly. I am cashing in
on my wood cutting.

I wish you were here for
the clinic. How about a
Hepatic clinic next year?

Yours

H.S. Conrad

The moss is for your collection.

I made a "Tramper" for each clinician.

Lakeville
HENRY S. CONARD
1310 ELM STREET
GRINNELL, IOWA

VII-30-1950

Dear Dr. Bier:

We are convinced by your specimen from Shenandoah Nat. Park that my *Hygrohypnum* from Missouri is not the same. We do not know what it is! Nor do I know just how to find out. Have you any suggestion?

3408 *Entodon compressus* is all right. The size and posture of leaves are conclusive.

3403 seems to be *Pleurozia byrrichiana* but I wouldn't be sure without spores.

3404 I would call *Desmatodon plinthobius*. That is 100% more likely in Mo.

3405 seems to be *Leskea gracil-escens* and *Anomodon minor*.

Clivia working at high speed!

Yours

H.S. Conard.

XI - 5. 1950

Dear Dr. Grier:

At last I have cleared the board for an attack on mosses. I have read gallery proofs of Kerner's Danube Basin, and prepared Plants of Iowa for a new edition in line with the new Gray's Manual. I'll begin my 2 days a week at the University this week.

Your 3410 is *Desmatodon obtusifolius* in very fine condition

4282 is *Plagiobesicium deplanatum*

✓ 3409 yields, to me, only that very interesting alga *Protosiphon botrydoides*. It ~~might be~~ *Botrydium*, but I think not. It buds new ones like *Protosiphon* and has an unbranched rhizoid, as I saw it. But the two often grow together!

✓ 4278 *Barbula fallax*

13 *Polytrichum commune*. The other thing is a bad one. How about *Bryum bimum*? I can't think of anything better.

Another grand warm day, after
a touch of 20° yesterday morning.
I like it, but it is terribly dry.
The belated Iowa corn crop is dried
out, even if not very well filled out.

Best wishes.

H.S. Conard.

HENRY S. CONARD

1310 ELM STREET
GRINNELL, IOWA

X1-16? Thurs.

Dear Dr. Grier:

I am returning your pretty little moss, since I have it from along James River south of Springfield, Mo., and from Forsythe, near Lake Taney-Comer.

I never wanted a greenhouse with a gardener included.

So I'm sorry for you! However I did saddle myself with a botanical garden - which now is only a grassy lawn. I am inclined to think that any planning for the future of an institution is vanity!

I'm so busy now with my 3 books that I do very little with mosses. The rush will soon be over.

Best wishes

H. S. Conard.

I - 18 - 1951

Dear Dr. Sier:

Having survived a month (nearly) of married life, with the greatest of ease and satisfaction, I am now getting back to the study of mosses.

Your 3905^o seems to be *Riccardia pinguis*. I can't fit it into anything else.

3913 is *Ptychomitrium drummondii*. It is abundant on trees along streets in eastern N.C.

4311 seems to me more like *Entodon drummondii* than *E. sullivantii*. The range of the former includes Ala., whereas *sullivantii* should not be there. I enclose a fragment for your hb.

We appreciated your welcome into the State of Matrimony, and both of us send best wishes to you.

Sincerely,

Henry Conard.

via air mail!

Thanks for the *Leptodictyum riparium*.
I'll check up on the var. some time.
Thanks also for the *Didymodon tophaceus*.
(not *huettilia*). The leaves are conspicuously
descent.

Drew 67
4 mo 34/105

1856.

111 - 30

S. J. Vasey, 13 Iron Co., Mo. - 4168
Bryum bimum, Polytichum commune
Gier 4278 Clay Co., Mo. Barbula foliata
3409 Kansas Protocypselum
4282 Clay Co., Mo. Plagiothecium daphnoides
3410 Kansas Desmatodon obtusifolius Boulton Co.

Digitized by Hunt Institute for Botanical Documentation

Dear Dr. Gier:

Glad to hear from you. I wish you could
join the Clinic at Lakeside!

Your # 4069 is *Thelia asprella*: prophylls
forked and multiflorous. Young growth.

Come again.

Yours

185. Conrad

Feb. 24 1951

HENRY S. CONARD

1014 PARK STREET

GRINNELL, IOWA

IV-1-1957

Dear Dr. Gier:-

I do not know anything about tropical mosses, and cannot possibly undertake to learn. Probably Bartram at Bushkill, Penna., is the best informed person in North America. He might accomodate you.

I found another lot of your mosses yesterday on which I think I have made report. Anyway, here are my identifications.

Sorry you can't get to Lakeside this summer. The legislature has not yet made the educational appropriations, so we do not know what support the laboratory will have. We are going ahead with a moss class and a moss clinic.

Still cold and snowy here. Soft maple is two weeks late.

Yours

H.S. Conard.

4314

4317

4319

THE IOWA LAKESIDE LABORATORY

FOUNDED BY

ALUMNI OF THE STATE UNIVERSITY OF IOWA

1909 A. D.

LOCATED ON WEST OKOBOJI LAKE
MAIL AND TELEPHONE ADDRESS
FROM JUNE TO AUGUST, INCLUSIVE
MILFORD, IOWA
REMAINDER OF THE YEAR
CARE OF STATE UNIVERSITY, IOWA CITY

VII-3-1951

Dear Dr. Gier:

Thanks for the mosses, the reprints, and your good letter. Your drawing stand may be just what I want for outlining the leaves of mosses.

✓ We take your 4481 = 4479 to contain *Bryhnia graminicolor* and *Atrichum undulatum*

4482 = ~~4478~~ *Odontoschisma prostratum*

✓ 4478 *Tetraphis pellucida*. There is a tiny *Dicranum* on the slide which Dr. Lawton prepared which looks like *D. fulvum*, but might possibly be *Dicranella heteromalla*.

We have had three busy weeks, and look forward to seven more (or 6 1/2). Official holiday tomorrow. So far we have had no real field trips. We have been busy getting the rudiments across to two beginners, while the Chinese people toil at identification. Sorry you aren't with us.

Regards.

H. S. Conard.

"Come again!"

Lakeside Lab
VII-24-'51

Dear Dr. Gier:

But thanks for the handsome
slice of *Gymnostomum*. Couldn't
'be better.

The three puzzles are the same
thing, and would make as good a
species as many that we have to
wrestle with. They are forms of
Chamberlainia, according to the
basal cells. I have written on
872 *Chamberlainia cyrtophylla*

but smallest branches are acuminate
(This one from roadside n. of Bonne Terre
St. Genevieve Co., Mo.)

872 *Chamberlainia acuminata*
approaching *cyrtophylla* (Roadside
11561 near Big R. n. of Bonne Terre,
St. Francois Co., Mo.)

3203 *Chamberlainia acuminata*
juv., with flagella. Upper branch leaves
typical; lower leaves orbicular, concave.

Genetically I do not believe these
plants have any relation to
Ch. cyrtophylla of the northeast.

In my opinion *Ch. cyrtophylla* is
a juvenile form of *Ch. acuminata*,
likely to crop up anywhere from
any local strain of *Ch. acuminata*.
And I think the varieties of *acumi-*
ata greatly need description and
organization.

There are just too many things
that need doing! Three of the
ladies made a 4½ day trip to
the Black Hills and brought back
a remarkable lot of rarities and
unknowns. We are busier than
ever. Happily we are now
comfortably warm. We do not
need your 90° though.

Regards.

H. S. Conard.



THIS SIDE OF CARD IS FOR ADDRESS

Prof. L. J. Gier
Wm. Jewell College
Liberty
Mo.

Dr. Anderson, Duke Univ., made the following corrections on my *Fissidens*:

F. bushii, Rymer's Spring, 47-131, is *F. taxifolius*
F. cristatus, Foreyth, Taney Co., 40-1110 is

F. adiantoides. This seems to be a considerable extension of range, and should be carefully checked.

F. taxifolius, Jackson Co., Kansas City, Mo. My # 56, is *F. subbarilarius*.

Yours

H. S. Gonsard
1014 Park St.
Grinnell Iowa

X1-8-1951

HENRY S. CONARD

1014 PARK STREET

GRINNELL, IOWA

XII-30-1951

Dear Dr. Grei:

Here are some lists that I was about to throw away, but thought you might like to see them. Then throw them away. There may be some duplications among them. The specimens should be in my herbarium, and at your service if you wish to see them.

Yours

H. S. Conard.

HENRY S. CONARD

1014 PARK STREET

GRINNELL, IOWA

VI-3-1952

Dear Dr. Gies:

We are planning another Moss Clinic for the coming summer. We would like to have you with us, to work on anything bryological that you can bring or we can furnish.

I think we can offer you an honorarium of \$150.00 for the ten weeks, with no tuition fee. There may be a small laboratory fee. If this interests you, let me know. And you might apply for the honorarium at once in a letter to Prof J. H. Bodine, Zoology, State University, Iowa City.

The Mr. B. B. B. has sent me about 1000 packets to be identified. Many are from Missouri. You ought to see them for your records. They date from Engelmann's pickings in 1835 in Ark., Lindheimer's Texas & Ariz., Trelease, Palmer, Hayden, Greenman, etc., etc. Nothing startling yet from Mo., though some seem to be extensions of range. All of the narrow Atrichums are A. xanthophelma - a

worthless distinction, anyway. But
I am sectioning nearly all of them.
Now I incline to believe that all
North American *A. angustatum* has one or
more papillae! So they are *Xanthopelma*!
I hope somebody will critically study
a typical *A. angustatum* from the
type locality wherever that may be.
Best wishes.

H. B. Conrad

Grinnell, Iowa
Feb. 10 1952

Dear Dr. Gier:

I am glad you are interested in the Moss Clinic. It is a great game! Undoubtedly the second term would be preferable from your standpoint, as the Bot. Soc. Foray will immediately follow the summer school. The dates for the Foray are Aug. 16 to 19, I suppose. That would be if the Lab opens June 9. Dr. Bodine has always objected to part-time honoraria, but I think he is now ready to allow some 5 week appointments. If you prefer it so I will see what can be done.

Sorry Mrs. Gier is not better. We hope the warmer weather will help.

I had just seen several good specimens of *Thelia lescurei*, so that my doubts were allayed! I am now sure that *Thuidium delicatulum* and *T. recognitum* sometimes grow tangled together. So why

not the *Thelias*? And I am inclined to use any name that is convenient and useful, without bothering to consider whether it is sp., sub-sp., var. or form! We will need some inclusive species in which to place all named sub-sp., var. & forms when we do not want to go into finer details. I fear that means a trinomial system most of the time.

We can discuss all such matters next summer.

Sincerely

H.B. Conrad.

Did I tell you I was naming dozens of specimens for Mo. Bot. Garden — many from Missouri?

II/19/52

Dear Dr. Conard,

Was glad to get your letter. Also had one from Dr. Bodine which sounded favorable and the President here has given me permission to be on leave this summer so guess we are all set. We are planning to be there for the first term then return here so Mrs. Gier can go to the doctor. If her mastoid is getting along all right, we will plan to return again in about a week and remain through the foray.

What are the prospects for the clinic this summer as far as workers are concerned? I suppose we will have plenty of material. I have most of mine worked up to date but expect to collect some this spring. John Hamilton and I are taking our advanced students to the Lake of the Ozarks during Easter vacation. Most of the time will be spent in Camden county. I hope to check on a few questionable things there during that time.

Maybe the Thelias do grow together as you indicated but there are so many intermediate forms that there is no dividing line. I am going to try to find out if they shade directly from the one on the ground to the other at the top of the colony on the same tree.

I am getting some *A. zanthoxelma* lvs. (perich. and stem, separately) and entire plants into paraffin, intending to make serial section mounts so we can trace a leaf all the length and also trace each of the lvs on an entire plant to see if there is a range of papillosity.

You told me about the collection from Mo. Bot. Gard. Are they proving interesting? I hope I can get to see them this summer or are you going to return them before that time? I wrote Anderson today about some other things and suggested we might be able to get some good out of the Nelson collection at the Clinic this summer. Don't know what he will say to that. Maybe if you also write him about it, we might be able to get it, or part of it anyway. He asked me to go ahead with getting bids for the reprinting of the back numbers of the Bryologist. Have had some good prices so far.

What should I plan to bring with me this summer? I have my own scope and dissecting microscope which I could bring. Also a set of Grout and Icones Muscorum (Sull.) Should I bring it? I have Jennings, Lesquer. & J., Paris, Manual of Bryol., Eng. & Prantl, Dixon, Cooke, Russel, Schuster, etc. I shall plan to bring my own dissecting inst. and plenty of slides, glycerin jell., etc. If you will tell me what books I should bring, and anything else of use, I shall do so. Do you plan on any collecting trips from there or work mainly right there on material at hand?

If there is not going to be too much else to work on, I'll try to get all my Fissidens (limbatl group: minutulus, exilis, clebschii, exiguus, & pauperculus) together and bring them. I am not at all satisfied with all these new (?) spp. among them. Grout identified *F. sublimatus* from "Drew from Boone County. Drew had two collections of it according to his published record but no specimen of it in his collections at Mich. or at M.U.

HENRY S. GONARD

1014 PARK STREET

GRINNELL, IOWA

III - 6 - 52

Dear Dr. Gier:

We are much pleased to know that you will be with us at Lakeside for a part of the summer at least. I hope you can make it for the whole ten weeks. Make the best arrangements you can with Dr. Bodine. I suppose he will be willing to split the honorarium in half for half time. Then you could stay as much longer as you can, on your own.

The suggestion for the Nelson collection is excellent. I'll try to get the \$50.00 from Bodine. If that fails, I'll order \$25.00 worth myself! The collection ought to contain a lot of Iowa material.

For your own equipment at the lab it will be very desirable to bring comp. mic. and binoc. dis. mic. As to books, bring those that you need to use all the time: Moss Flora

of N. Amer. 3 vols.; Mosses with Handlens & microscope. Possibly Jennings Mosses of W. Penna., and Dixon & Jameson Handlens of British Mosses; Frye & Clark Hepaticae of North America. We have never had much use for Sull. Icones.

I will take MFNA, MHM, Jennings, Dixon, Linpricht, Engler & Prantl Broth. Musc. Scand.; Frye & Clark, Müller 2 vols., Mavricar, Schuster's W. N. Y., Anmons, and some reprints. Also Sull. & Lesq. Musc. Bor. Am. Ed. 1, Holz. Musc. Acro., Allen's Mosses Cascade Mts., and perhaps some of Grout's Pleurocarpi & Perforate. These will be freely at your service.

Apparently Dr. Welch, Lawton and ~~W. H. H. H. H.~~ will be on hand. Miss Gentry, and possibly Mrs. Thomas from Alaska. Dr. Sayre will probably make us a visit. Mrs. Conard may give us a couple of weeks.

Success to your spring excursion. The Ozarks are too far away for us, in so short a time.

Yours

H. B. Conard.

Will look at your Hepaticae soon.



THIS SIDE OF CARD IS FOR ADDRESS

Prof. L. J. Sier
Biology
Wm. Jewell College
Liberty
Mo.

Your 5091 is *Leptodictyum trichopodium*
all right.

5090: is *Trepanocladus aduncus*
^{listed in file as *L. t. Kochii*}
polycarpus (typical). See figure in M.H.M.
The big stem-leaves have large clusters
of inflated alar cells, and ends of stems
are somewhat hooked. Very nice
material. The leaves ought, perhaps, to be
a little channelled above; these are not.

Yours HSC. Feb. 6

HENRY S. CONARD

1014 PARK STREET

GRINNELL, IOWA

V-9-1952

Dear Dr. Gier:

Your plan for getting the Nelson masses is excellent. I had gotten word from Bodine that the Lab would pay for transportation, and had suggested to Anderson to ship by freight at an early date. No definite arrangement has been made by me with either Bodine or Anderson, so your plan will not interfere with anything, and will be altogether excellent.

I heartily recommend a visit to the Mayo Clinic for Mrs. Gier. I have more faith in that group than in any other medical person or persons in the world. It would be fine if they could find a good solution to her problem.

HENRY S. CONARD
CHESAPEAKE, VIRGINIA

I may not get to Lakeside until the Monday of registration, but I'll count on seeing you then. The assignment of rooms will be, in the laboratory,

1. H.S.C. office
2. Whitehouse + Gentry
3. Lawton + Welch ^{Hunter College} Defaux
4. Giv + Harvill. also

When Mrs. Thomas comes we will probably put her in with Lawton & Welch.

If two beginners turn up for the second term we will find places for them somewhere!

Yours

H.S. Conard.

Do you bring your own microscopes?

Bring along your 3-in-1 Thelia. We would
see like to see them.

THE IOWA LAKESIDE LABORATORY

FOUNDED BY

ALUMNI OF THE STATE UNIVERSITY OF IOWA

1909 A. D.

LOCATED ON WEST OKOBOJI LAKE
MAIL AND TELEPHONE ADDRESS
FROM JUNE TO AUGUST, INCLUSIVE
MILFORD, IOWA
REMAINDER OF THE YEAR
CARE OF STATE UNIVERSITY, IOWA CITY

Aug. 10 1952

Dear Dr. Grier:

We still hope you can be here next Sunday + following. That will mean that Mrs. G. is more comfortable, which is our most earnest hope.

Last evening Dr. Lawton started homeward. She expects to move into a larger apartment about Sept. 1, and wants to visit relatives on the way east.

She invited us all to dine with her in Spencer just before train time. So we had a very nice outing, in Dr. Whitehouse's car. At the dinner

Dr. Walsh handed me the very generous present from the Moss Clinic. This is quite embarrassing, and quite undeserved on my part. I do appreciate your good will most sincerely. All along I seem to be the winner, for I see all of the specimens and slides, and it is lots of fun. Thanks a lot.

We got the Daubenmire mosses from Idaho into manageable envelopes and Dr. Lawton "did" about half of them. Then she and Dr. Whitehouse started on the African mosses, and had a grand time getting them into genera, and occasionally into species. So I have half of the Idaho lot on hand. And a big box came from Saskatchewan yesterday.

Mr. Stapleton left on Tuesday, so I persuaded Mrs. Conrad to come and take her place. It is an interesting experiment, and short enough to be bearable. In fact it is proving easy enough, and very entertaining. I drove to Ginnell last Monday and returned Tues. with the Mrs. We are living in your cabin. It is very satisfactory, and it is nice to be near everything. So far it is rather too hot by day, and too cold at night. We have lots of covers, but can't believe we will need all of them.

I think my oak log by the second laboratory will be finished a week from tomorrow!

Digitized by Hunt Institute for Botanical Documentation

Sincerely,

Henry S. Conrad.

Chiniquet for 8 weeks, then Beartooth Plateau in 1953.

HENRY S. CONARD

1014 PARK STREET
GRINNELL, IOWA

X-26-1952

Dear Dr. Gies:

Your tabulation of the Nelson herbarium is an enormous affair! You have done enough to work on it to earn a degree. I think some notes about it, and a biographical sketch of Nelson should certainly be put on record in *The Bryologist*.

The enclosed reference is a very important companion-piece to Hedwig. I had it, ^(the paper) at Lakeside last summer. If you want it microfilmed I have no doubt you could get it. Probably it could be done from my copy at Iowa City.

We still plan a winter in the South, but my paper on the program at St. Louis, Dec. 30, has made us revise our plans. The present idea is to leave here ~~to~~ Dec. 1, to Champaign, Ill. Thence Dec. 8 to Arkansas, to loaf and collect through Christmas. After Dec. 30, to Goldsboro, N.C., for Headquarters.

I had hoped to come around
via Liberty and Parkville. But the
shift in plans changed that.

I hope Mr. Gier is up to her
best.

Sincerely

Henry Leonard.



Digitized by Hunt Institute for Botanical Documentation

Dear Dr. Gier:

Howard A. Green pronounces my "*Thuidium*
macrophyllum" Springfield, Greene Co., Mo.

Nov. 29, 1948 40-429 to be *T. virginianum*,
which he calls *Haplocladium virginianum* (Brid.)

Can you spend a while with us at Lakeside
this summer? The rest of the crowd will all
be there. Had a grand winter in the South,
and brought home 2 bales of mosses for the Clinic.
I hope all goes well with you and Mrs. G.

Yours H.S. Leonard

Saturday p.m.

THE IOWA LAKESIDE LABORATORY
MILFORD, IOWA

VII-15-1953

Dear Dr. Gier:

Kucera's Boone County moss, your 6020, is a good *Brachythecium rivulare*, especially as to leaves on the main stems.

Your 5896, Cardot 1039, is *Pleurochaete squarrosa*. Dr. Whitehouse says it often lacks serration in Texas.

I have a 5762, Ex-hab. Mo. Bot. Garden, coll. Marcus E. Jones Aug. 6 1894, Utah, Fish lake, which you may have sent or left here - I sent a portion to Flowers but have no record of a reply. I am satisfied now to call it a large form of *Hypnum revolutum*.

I do not recall anything about your specimen and slide sent to Goldschmidt. Sorry I'll look for it when I settle down at home after the meeting at Madison.

We are as busy as usual here, and are hard pressed to find enough to keep Dr. Lawton busy. But I reckon we will make out somehow. The Clinic will close Aug. 7. On the 8th we will set out for the Medicine Bow Mts., Tetons, Yellowstone Park and Beartooth Plateau. Better come along!

At any rate we will hope to see you at Madison.

Best wishes.

Sincerely

H. S. Conrad.

THE IOWA LAKESIDE LABORATORY
MILFORD, IOWA

VII-28-1953

Dear Dr. Gier:

You are quite right on *Everhmannium rusciforme* #6047. Doubtless you saw a greater mile of it at Green Spring.

The *Fissidens debilis* is nice and green. I found it in several places - but never c. fr. *F. grandifrons* is (or was) abundant at a little "big spring" that issues from a cavern a half mile east of the ferry east of Eminence, and north of the road.

Thanks for the reprints. We all have copies now.

No, I never finished the paper on *Leptodictyum*, and I believe I never distributed *L. lasiocarpum* as such. The citation is (Card. & Thier.) (Brotherus in Engelm. Transl. Nat. Pflanzengam. Bd. II, vol. 11. There isn't much of it at Rymer's, so far as I can recall. The spring is across the river from the ranch house.

Returning to *Fissidens*, I do not know of any way to distinguish *F. debilis* from *F. Lallemandii* without capsules. And we never get capsules!

Do you remember a moss from Blue Spring northeast of Mountain View which I once labeled *Leptodictyum riparium*, and then *Hygrohypnum engyrium mackayi*, my No. 47-143? Winona has just shown me that it is *Fontinalis durisei*, the same that I had from several other springs.

I hope we may see you at Madison. I expect to attend the second foray and the meeting.

Yours H.S. Conard.

THE IOWA LAKESIDE LABORATORY

MILFORD, IOWA

V118-31-1953

Dear Dr. Grise:

Your trip to the big springs with Ben Davis excites my envy! I'm surprised that you didn't get yards of *Fontinalis*. Undoubtedly you got yards of *Leptodictyum laxum* - whatever rank you care to give it.

Your *Marchantia* 6050 is good *M. polymorpha*. It has the showiest marginal scales I ever saw.

6039 is *Calypogeia trichomanis* and *Odontoschisma prostratum*.

Mr. Thomas will leave us tomorrow evening. And we all plan to start our long journey a week from tomorrow morning.

All this week we are seeing and hearing the S.U. players doing Shakespeare. They do very well, but are a nuisance here.

Best wishes.

Yours
H.S. Conard.

THE IOWA LAKESIDE LABORATORY
MILFORD, IOWA

VIII-4-1953

Dear Dr. Grei:

Your *Fissidens grandifrons* is unusually neat and clean. I don't know of any other species or variety to which to refer it.

The little *Dicranum* is typical *D. spurius* in shape and posture of leaves. I can't find any papillae, but I am labeling it without hesitation *D. spurius*. We had it along with *D. condensatum* on the Foray in Hocking County Ohio.

We are still identifying mosses, but are getting more and more disorganized, not to say nervous, about the Beartooth Expedition. We will all compare notes at Madison.

Digitized by Hunt ^{Young} Institute for Botanical Documentation
H.S. Conard.

THE IOWA LAKESIDE LABORATORY
MILFORD, IOWA

Aug. 5 1953

Dear Dr. Gier:

Your 6051 seems to me to be a good *Campylopus chrysophyllum*. We cannot allow such a misnomer in *C. stellatum*. And the alar cells of stellatum should be hyaline, thin-walled and $\pm$ inflated.

If I had to name 6048, I would - + will - call it *Hygroambly. orthoclados*, according to leaves on the largest stems I can find. I think all *Amblystegiaceae* must be judged by the strongest stems. Branch leaves become more and more generalized and alike the farther out you go: secondary, tertiary, + c., branches.

We are about ready to pack up. We will return here to pack our cars for the trip home.

Yours

H.B. Conrad.



THIS SIDE OF CARD IS FOR ADDRESS



Prof. L. J. Gier
Wm. Jewell College
Liberty
Mo.

If that *Hygroamblystegium* deserves a
varietal name, there are at least a
hundred others just as deserving! The
leaves from a main stem which I examined
did not match Fig. 9, Pl. 16, in shape or in
cell shape and size. On such a plant one
can find almost any leaf shape he wishes
by choosing a suitable branch! Use your
own judgment, but this is my opinion of
that plant, and of var. *marianopolitanum*!

Yours H.C. Aug. 7 Lakeside

1.20.54

H. S. Conrad
LAKE HAMILTON
FLORIDA

Jan. 7, 1954

Dear Dr. Gier:

It grieves me that in this fabulously rich country of ours it is impossible to publish scientific work, - or to get support for a botanical garden! I suppose we just have to reckon with that. So, we have to abbreviate and omit.

I hope you can print a map for each species. That would relieve the text of much distributional material. However, I found that giving counties by numbers did not take much space. The more counties the less space: *Mnium cuspidatum* 1-17, 19 - 89, 91-99 (all but 2 counties).

I never did approve of wasting space by citing every specimen seen. Give 3 of the major herbaria and omit the rest. We only want to know where we can see a specimen. Some other method might be desirable to show limits of range, or disjuncts.

I think you could use the initial of the genus name after once spelling it out.

As to typography, the linotype machine usually carries 2 fonts: e.g. Roman or Italic. I like best a list which has the accepted names in capital letters, with authorities in lower case, and synonyms in lower case — or italics.

As to indenting, indent the smallest item:

BRYUM PENDULUM ABK Common on
moist rocks,
or BRYUM PENDULUM () --- . Characterized
by the narrow mouth of the capsule
and cross bars between the inner bars of
the teeth.

The latter indents only one line, and saves space.

I think single space between lines is all right, except possibly between letters A, B, etc. or major headings.

On most of this you will have to do whatever your publisher requires.

Type your manuscript without any indication of typography, except for capitals and lower case. Underscore for
(over)

typography after you get the rules of your publisher. Of course you will need to submit a sample page with your choice of typography.

Do you think a one-volume manual of North American Mosses would be useful — a kind of "Gray's Manual" of Mosses, including all of the known species, and not avoiding technicalities? Could the clinic take on such a project?

Grout & Anderson both declare that *Fissidens bushii* is much nearer to *F. cristatus* than to *F. taxifolius*. Grout cited the irregular upper margins of the leaf of *bushii*, and Anderson the sections of upper + sheathing laminae. The latter is a serious matter. At present I have no opinion.

Come again. I am having a grand time doing nothing, — and adding 100 species to "How to know".

Best wishes

Yours H.B. Conrad.

How about the Clinic for this summer?

HENRY S. CONARD

1014 PARK STREET

GRINNELL, IOWA

v-26-1954

Your Pennsylvania moss, 6704
by Robert Treaster is

Encalypta streptocarpa.

I have just worked over a lot of it
that I found in n.e. Iowa 10 days ago.
Thanks for the specimen.

Cordially
H.S.C.

Lakeside

VIII-7-1955

Dear Dr. Gies:

We are indebted to Anderson & Green for calling our attention to *Physcomitrium sphaericum*. Limpricht, Dixon et al. describe it as having exothecial cells distinctly collenchymatous.

Happily I have here two collections of *P. sphaericum*, one in the Schwagricher folder (doubtless never seen by Schwagricher) and one in the Husnot exsiccate. I soaked up both of them. The cells are totally different from yours. They are similar in shape to those of *P. turbinatum*, but with walls much thickened, somewhat irregularly. They have nothing like the elegant "trigones" of your hybrid, which are exactly like those of my very familiar friend *Aphanorhynchus*. I'll be interested in the further notes from Duke

We have had a lot of rain, and two cold nights. Mrs. Conrad came last Monday and will go home tomorrow or Tuesday. The rest of us have 3 weeks to go.

The death of Dr. Bodine leaves the Laboratory in a state of transition. We have no idea what will happen next. Management will necessarily be vested in the State University. I hope they will get the details worked out before next May!

Yours

H.S. Conrad

Digitized by Hunt Institute for Botanical Documentation

I've done nothing about *L. laxite*. So ahead in any way you like.

8/7/51

H.S.C.



THIS SIDE OF CARD IS FOR ADDRESS

Dr. L. J. Gier
502 S. Leonard
Liberty
Mo.



THIS SIDE OF CARD IS FOR ADDRESS

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



THIS SIDE OF CARD IS FOR ADDRESS

Prof. L. J. Gier
Wm. Jewell College
Liberty
Mo.

The microscopes are packed up to go to Florida. Can't look at a moss till after Christmas, probably. I'll examine this one as soon as possible. - Among a big lot from Mr. Bot. Garden sent for identification are 39 loose packets and 19 glued to herbarium sheets. I am sending them today. Take out samples if you wish and return the remainder after April 1. We expect to start south a week from tomorrow.

Yours H.S. Conard X-4-1957

Dear Dr. Gies:

I am expecting Plant Sociology from the bindery any moment, and will forward your fine order just as soon as possible. Thanks a lot. - My new lease on life has had excellent effects, and I am nearly back to previous standards. We are working daily on the new moss book. Glad to hear of the success of your long journeys.

\$5.00 each, less 20%
+ postage (about 8¢)

Yours H.S. Conard

Sept. 24

Dear Dr. Gies: I am happy to report a clean bill of health from the surgeon at Iowa City. They couldn't find anything wrong! I seem to have had a virus. - like that was going the rounds this summer. Apparently my particular phenotype was not recognized at Spirit Lake. So I expect to be on full duty in another week or two. We are greatly excited over your reference to a citation by the Ecol. Soc! How did they ever think of me? It is exceedingly kind and generous of them to do whatever they did. Doubtless I'll know soon.

Glad you had a good trip to Cuba. I'd like to hear all about it - maybe the second term at Lakeside next summer. Thanks for your greetings. Yours H.S. Conard X-12-1957



THIS SIDE OF CARD IS FOR ADDRESS



Prof. L. J. Gier
Wm. Jewell College
Liberty
Mo.



THIS SIDE OF CARD IS FOR ADDRESS



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

Thanks for Algae and Lichens of Mo.-
indicating a big field for moss
collecting!

I've decided to stay at home this
summer. I hope you will be at
lakeside for a while to keep the work
on mosses going.

Yours Henry S. Conard
1014 Park St.

Grimell Iowa

10-8-1955

Thanks for the papers on
Physcomitrium
Thelia, and
Marsilia.

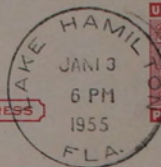
I'm revising my list of Iowa mosses
for Iowa Acad. Sci. next April.
We expect to attend Fla. Acad. Sci. at
Miami Dec. 9-11.

Yours

H. S. Conard.

Lake Hamilton, Fla. X1-12-1955-

THIS SIDE OF CARD IS FOR ADDRESS



Prof. L. J. Gier
Biology
William Jewell College
Liberty
Mo.

THIS SIDE OF CARD IS FOR ADDRESS



Prof. L. J. Gier
Wm. Jewell College
Liberty
Mo.

Will send you soon a sample of
Hoyer's Mounting Medium, recommended
by L. E. Anderson in The Bryologist. It is
excellent for cell walls. Try it. The
recipe in Bryol. made about a pint! -
Best wishes.

Conard

Lake Hamilton
Florida

Jan-12

N.C.
We are at Biol. Station, Highlands, N.C.,
until Aug. 16 or 17. That almost rules
out Montreal. Age and finance complete
the obstruction. I want to get a B. & L.
Tri-simplex micro-projector. You ought
to have 2 or 3, if you do not have it now.
Haven't a Pen with me, but can send
it when we get home. - Delighted to know
that you are both feeling "fit" for Montreal.
Sincerely H.S. Conard. July 27

Lake Hamilton, Ala.
111-19-1955-

Dear Dr. Grei.

First, thanks for your cordial invitation to stop with you over night. I have tried repeatedly to arrange a schedule that would permit visits at Liberty and at Parkville, but never could make it. And it turns out now that we cannot start before next Thursday, nor be later than Apr. 2 reaching Grinnell. We drive slowly, and have booked two days around New Orleans. Sorry we can't come your way.

I resolved a year ago to stay at home in 1955 until mid-July. Now I have decided to be at home all summer. I might get to Lakeside for a week near Aug. 1. Do you know Westlake, the new Cryptogams man at Lakeside? He should be a good man to have as companion in study of bryophytes.

I've had good collecting in two places near here this winter - much less than I had hoped. We may pick up something on the way home.

The *Physcomitrium* problem becomes more complicated. I wish you success with it. I am returning to *Atrichum angustatum* for the new How to know, but will keep a reference to *Th. lescurii*. There is a lot of *Barbula creageri* around here. But several months of extreme drought have left it unrecognizable. Maybe I can send you some next year. I have nice collections of *Trematodon longicollis* and *Fissuraria flaccida* in a neighbor's driveway.

Best wishes

H.S. Conard.

HENRY S. CONARD

1014 PARK STREET

GRINNELL, IOWA

VII - 26 - 1955

Dear Dr. Sier:

The progress of your new species is very interesting. Did you ever get a count of the chromosomes? At any rate the distribution of quantities of material will give bryologists the opportunity to evaluate it for themselves.

No, we have entirely given up the index for the *Byologist*. It is well that we never started on it. Up to July 1 we were busy with the new edition of "How to know". We hope to be approximately settled in our new house in Lake Hamilton by the middle of December. Some time there will be proofs to read - and so on. I'm glad some progress has been made. And the completion of sets of back volumes is a great achievement.

In some way in which Mrs. Conard can be recorded as a member of Amer. Byol. Soc., while her journal goes to

someone in Europe? She pays the dues
and so is entitled to membership. But
I see that the effect would be to make
one payment cover two memberships.
Perhaps the person who pays the fee
should be the member, and he who
receives the journal something else.

I am very much disappointed in
leaving these parts without a visit
to you and the Hamiltons. We just
haven't found a way to do it. The
journey to or from Florida is about all
we can stand, without any extra
time or miles. We will have to
depend on visits from you in Florida.

I'm giving my moss herbarium
at once to the State University of Iowa,
where anybody can see it or borrow
from it. I am taking Amblystegiaceae
for the present.

Best wishes.

moving from Lakeland Fla to Lansing Sanic College
Jos McNeill Bradenton drop 1945?
H.S. Conard.

HENRY S. CONARD

LAKE HAMILTON

FLORIDA

X1-13-1955

Dear Dr. Gier:

I am glad to send my usual contribution to the Bryol. Soc., which, I believe, is for one domestic and one foreign subscription. Who receives them is of no concern to me.

We are delighting in the lovely autumn weather, which began in late September, and will merge into Spring along in mid-February. No winter at all, though there might be more or less frost. A neighbor lost a handsome young Poinciana tree last winter. I have tomatoes and lettuce coming on nicely.

Though I gave my moss collection to State Univ. of Iowa, I have enough with me to keep me busy for a long time. I brought all of my moss books, reprints and slides. We live and pursue our hobbies in a light and airy breezeway. The Mrs. is weaving a "toothbrush rug", which

is now about 16 x 36 inches, and will grow as material becomes available. My new moss collection now takes 10 boxes! I am just sending to Dr. Sayre for a set of the Dutch mosses.

You got very prompt publication of your *Physcomitrium*. And it is fine that you had enough material to distribute it so widely. Words and sketches cannot substitute fully for a specimen.

I suppose I will say henceforth: "When *Thelia asprella* grows on earth or in a very dry place the prophylls are larger and more forked, and the leaves lack cilia. This form has been called *Thelia lescurii*." Perhaps it is just as clear, and shorter, to write *Thelia asprella* f. *lescurrei* (Sull.) Gier.

We hope to see you on your next trip to Florida. Why not retire to Lake Hamilton?

Yours
Henry Bonnard.

Drury College
Springfield, Mo.
I-25-1957

Dear Dr. Gier:

Thanks for your good letter.
We are very happy to know that
Mrs. Gier is really on the mend.
We hope everything will clear up.

It is on my list to call on your
people before we return to Florida.
After Easter recess we should be feeling
fairly established, and the work
fully in hand. I hope to do some
collecting in Ark. during the recess,
but we may find it advisable to
stay at home and rest.

If you will send names & addresses
of persons abroad to whom my
subscriptions and Mrs. Conrad's are
sent I will ask them if they would
like to send specimens.

We arrived here in a sleet storm,
and had an inch of snow the next
morning. It's warmer now but
just about freezing. Rotten! Tomorrow
or Sunday we are to get into an
apartment near the campus.

Maybe I can induce the Biology
club - BBB - to bring you here for
a lecture!

Best wishes

H.S. Conant.

Digitized by Hunt Institute for Botanical Documentation

Wm. Conant
Edinburg, TX
PO Box 39
Holloman, NM
Mount Baldy, N.J.
Dr. Conant
Mr. & Mrs. Smith
Adm. Bldg.
New York, N.Y.
Samuel Adams, N.Y.

Drury College
Springfield, Mo.
Jan. 31 1957

Dear Dr. Gies:

Your moss puzzle is quite surely a starved, washed out Bryum, probably *B. argentum*. Obviously such a verdict is more or less imaginary. But the cells of the leaves indicate this, and I know the species can do such things.

We are really on the job now, or at least Lonia is. She has 4 lectures per week and 3 3-hour labs. Then we are expected to attend chapel Tues. at 11, and "convocation" Thurs. at 11. We can take meals when we wish to, at small cost, at a faculty table in the student dining room. Faculty meeting 1st & 3rd Tues.: coffee at 4 p.m., meeting 4:30-6.

We are fortunate to have a very nice apartment $\frac{1}{2}$ block from the campus, and across the hall from Dr. Bond, head of our department. Everybody is friendly and we are already having a good time.

The weather has been horrible: ice, snow, sleet, drizzle, fog, - not very cold.

We arrived in the face of a cold wave with windshield dangerously iced over! I reckon there has been no safe driving since that day. We anticipate great pleasure in seeing the springtime come again.

Thanks for your interesting letter. You have too many irons in the fire! Don't work too hard.

Yours

Henry Bonard.

Drury College
Springfield 2
Mo.
111-26-1757

Dear Dr. Gier:

As soon as Dr. (Mrs) Bond told us about "cedar glades" in this vicinity I began to suspect the presence of *Pleurochete*, which Elsie Pratterman gets in abundance in central Tennessee.

Last Sunday Mrs Bond took us to such a "glade" — and there was *Pleurochete*, true to form. I picked up two little pieces, and am hastening to send a fragment to you. I hope to see a lot of it, if Spring ever comes. The $\frac{1}{2}$ in. of snow this morning is "the last straw." We would pack off to Florida this afternoon if it was possible!

I still hope to get over your way but prospects are not good. It can only be after Commencement, May 26, on our way to Grinnell. And we may not feel able for anything but heading direct for Florida. That

that we are really "wearing out",
but at our ages you never can
tell. These two months of cold
and rain have greatly discouraged
us. Still we hear fine stories of
the beautiful Ozark Springtime,
Saw Sanguinaria and Claytonia
in bloom Sunday.

Glad to hear that Mrs. Gier is in
better health.

Best wishes,

Sincerely

H. S. Conard.



PRESERVED PLANTS AND PREPARED
MICROSCOPE SLIDES FOR GENERAL BOTANY,
PLANT PATHOLOGY, PLANT ANATOMY,
CYTOLOGY, PHARMACOLOGY
AND BACTERIOLOGY

PHOTOMICROGRAPHS IN FOUR COLORS FROM
TRIARCH QUADRUPLY STAINED SLIDES

RIPON, WIS.

December 9, 1940.

Prof. L. J. Gier,
Biology Department,
Campbell College,
Bules Creek, N. C.

Dear Prof. Gier:

Thank you for your card of December 5
advising me of your proposed change of address and of
your successor. Congratulations and best wishes for
your continued success! As far as I know, we have never
sold any materials to William Jewell College, and I hope
that you will transport our good will with you.

I recall with pleasure our chat at the
Richmond meetings, and I hope very much to be able to
see you at Philadelphia. I shall be at the Benjamin
Franklin Hotel, and I hope you will look me up if you
don't run across me at the sessions or registration
hall. This will be more or less of a "homecoming" for
me, since I started my business in 1927 when I went to
the University of Pennsylvania as instructor in
Plant Pathology.

Sincerely,

Geo. H. Conant

UNIVERSITY OF LOUISVILLE
LOUISVILLE 8, KENTUCKY

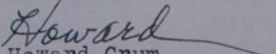
DEPARTMENT OF BIOLOGY

December 8, 1953

Dear Gier -

Thanks for your interest in my paper on the Appalachian-Ozarkian mosses. I have had a number of requests for it, but I can't understand why because it has not yet been published. It was my thesis which is in a state of revision for publication. I will certainly remember your request, however, and send you a reprint when and if I have any. Meanwhile I am sending you a set of my other papers. I hope that your work is progressing satisfactorily. I heard good reports of your work on Atrichum.

Sincerely - in haste,


Howard Crum

UNIVERSITY OF LOUISVILLE
LOUISVILLE 8, KENTUCKY

DEPARTMENT OF BIOLOGY

March 25, 1954

Dear Gier -

Thanks for the article concerning Dr. Eaton. I had not heard of him before, perhaps because I am so new here. The University of Louisville has had a pretty interesting history owing to its great age. In some mystic way, it claims origin in 1798. I have never been completely convinced of this however.

Thanks for returning the money order receipt. I wonder how often I forget to tear those things off.

Subscription to the Revue Bryologique can be a rather vague process. The price is set at 2000 francs a year - provisionally. I have forgotten, but I think this is about \$6.00. Sometimes you may get a notice that you are still owing a pittance on the subscription. I usually send something like \$15.00 and let Mme. Allorge bill me when it is used up. You should write to Mme. Valentine Allorge,
7, rue des Wallons
Paris 13^e, France

With sincere good wishes,

Digitized by Hunt Institute for Botanical Documentation

Duke University
DURHAM
NORTH CAROLINA

DEPARTMENT OF BOTANY

JULY 1, 1954

DEAR DR. GIER -

I HAVE RECENTLY BECOME INTERESTED IN THE GENUS LINDBERGIA AND MORE PARTICULARLY IN L. BRACHYPTERA. IN SO FAR AS I HAVE BEEN ABLE TO DETERMINE, L. BRACHYPTERA AND L. AUSTINII ARE IDENTICAL, SO THAT THE VAR. AUSTINII CAN BE SUPPRESSED. (I HAVE SEEN THE TYPES.) A FURTHER PROBLEM HAS ARISEN, HOWEVER, IN COMPARING THE SPECIMENS OF THE EAST WITH THOSE OF THE SOUTHWEST. THE LATTER ALWAYS HAVE STELLATE PAPILLAE, WHEREAS THOSE OF THE EAST HAVE SIMPLE PAPILLAE. I AM THINKING OF DESCRIBING THOSE OF THE SOUTHWEST AS A DISTINCT SPECIES, BUT WOULD LIKE FIRST TO SURE OF THE CONSTANCY OF SIMPLE PAPILLAE IN EASTERN MATERIAL. WOULD YOU BE SO KIND AS TO LET ME SEE ANY COLLECTIONS YOU MAY HAVE FROM ARKANSAS OR MISSOURI (IF ANY); ANY OTHER SPECIMENS WOULD BE APPRECIATED ALSO.

DR. ANDERSON AND I HAVE HAD A GOOD TIME WITH HIS OZARKIAN COLLECTIONS. WE JUST FINISHED ARKANSAS AND STARTED MISSOURI TODAY. MOST OF THE SPECIES ARE COMPLETELY STANDARD BUT WE HAVE FOUND A NUMBER OF APPARENT RANGE EXTENSIONS; NOTABLE AMONG THESE IS NECKERA GRACILIS FROM ARKANSAS. WE DON'T SEEM TO HAVE YOUR LIST OF MISSOURI MOSSES HERE. IF YOU HAVE AN EXTRA COPY, WE WOULD BE GLAD TO HAVE IT AT HAND FOR REFERENCE.

WITH BEST WISHES,

Howard A. Crum
HOWARD CRUM

Duke University
DURHAM
NORTH CAROLINA

DEPARTMENT OF BOTANY

JULY 30, 1954

DEAR GIER -

YOUR PACKET OF LINDBERGIAS ARRIVED TODAY, AND I AM RETURNING THEM IMMEDIATELY. I AM PARTICULARLY DELIGHTED TO SEE THE SPECIMEN FROM ARKANSAS. IT IS THE SOUTHERN LIMIT OF THE SPECIES IN THE EAST. I AM ALSO GLAD TO SEE YOUR SERIES FROM MISSOURI AND WILL TRY TONIGHT TO SEE WHAT I CAN MAKE OF ITS DISTRIBUTION; PERHAPS I DON'T KNOW ENOUGH OF ITS DISTRIBUTION YET TO KNOW WHETHER IT IS LIMITED TO THE APPALACHIAN-OZARKIAN PLATEAU OR NOT. THANKS VERY MUCH FOR SENDING THEM.

I FOUND SOME APPARENT ERRORS IN IDENTIFICATION, ALTHOUGH IT IS POSSIBLE THAT YOUR ORIGINALLY HAD SOME SMALL SCRAP AS AN ADMIXTURE THAT I WAS UNABLE TO FIND. I DISCOVERED IN DR. CONARD'S SPECIMENS IT WAS SOMETIMES VIRTUALLY IMPOSSIBLE TO FIND THE SCRAP THAT CONSTITUTED THE RECORD. I THINK, HOWEVER, THAT A FEW OF YOUR SO-CALLED LINDBERGIA'S ARE A COLONIZING FORM OF *LINEX LEUCODON* JULACEUS; SEE IF YOU DON'T AGREE. I HAVE NOTED THAT THIS IS A COMMON ERROR.

I AM ENCLOSING A BILL THAT IS DUE THE SEEMAN PRINTERY. THANKS FOR LETTING ME KNOW ABOUT THE CHECK FROM THE U. OF CINCINNATI.

SINCERELY,

Howard Cram

Duke University
DURHAM
NORTH CAROLINA

DEPARTMENT OF BOTANY

August 6, 1954

Dear Gier -

Brotherus reported *Lindbergia austinii* from Kansas. In your studies of the Kansas bryophytes have you ever run down a specimen to back the report? If you can throw any light on the problem, I would be very grateful to you.

Anderson, Costing and I are driving down to Tallahassee together for the bryological foray. Will we see you there?

Sincerely,

Howard

Duke University
DURHAM
NORTH CAROLINA

DEPARTMENT OF BOTANY

August 29, 1954

Dear Dr. Gier -

Thanks for sending the specimens of Funariaceae so promptly. I am particularly glad to see the *Physcomitrium hookeri* from Missouri. I agree with all the determinations, although the material in Bush's collection from Jackson Co. (Cardot 267) is immature. I suspect that you are right in calling it *P. turbinatum*, but I would need to see mature spores to rule out *P. drummondii* completely. (*P. drummondii*, incidentally, is nothing more than *P. kellermani* and both are synonyms of an earlier name by Cardot and Renaud - I don't recall the proper name just now.)

Funaria microstoma is a real enigma; every specimen from America that I have seen has been different from every other specimen. I don't know what we will do with the species. It is one of the few remaining problems. But I am sure that you are correct in assuming that it has not actually been collected in Missouri. All the specimens I have seen that come near to my poor concept of the species come either from the western mts. or from the far north.

I don't know what *Physcomitrium acuminatum* really is, but all the specimens so-named by Grout and Britton are either *P. turbinatum* or *P. neglectum*. Both admitted that they did not understand the species, either in Europe, where it belongs, or in America. I believe that we can safely drop the species from the American flora.

I do not know what Grout's var. *flagelliferous* of *Leucodon* (*?mixogulaceus*) is, but his varieties so often are nothing more than forms that I suspect the same may be true in this case.

With best wishes,

Edward Crane



CANADA

DEPARTMENT

OF

NORTHERN AFFAIRS AND NATIONAL RESOURCES

NATIONAL MUSEUM
OF CANADA

YOUR FILE NO.....

OUR FILE NO.....

NATURAL HISTORY
BRANCH

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

National Museum
Ottawa, Ontario
December 2, 1959

Dear Gier:

Thanks for your note. The index has been published at last. I have asked that a copy be sent to you, without charge. It is small payment for all the work you put in on it. I appreciate your help very much.

Lewis Anderson has spent the last five or six weeks with me. We have been studying the Dicranaceae of eastern North America, writing keys and descriptions as we go. This is a part of our work toward a manual. We have finished 40 species so far. That is good progress, I think, but it promises to stretch far into the future even so.

Regards,

Howard Crum

HC:im

Duke University
DURHAM
NORTH CAROLINA

DEPARTMENT OF BOTANY

Dr. Dr. Gier -

Thank you so much for sending your manuscript on the mosses of Missouri. I am sure that we will find it useful. As you perhaps know, Andy and I are working over the North American Funariaceae. A few of your entries are of unusual interest. We would like very much to borrow your material of *Funaria americana* and *F. microstoma*, *Physcomitrium hookeri* and *P. acuminatum*, if you happen to have access to them. *Physcomitrium acuminatum* is something of an enigma; specimens from Grout's herbarium so named have been either *P. turbinatum* or *P. megalocarpum*. Insofar as we have been able to check up on Mrs. Britton, her determinations were about the same. Of course, both of them admitted ignorance of the species.

We are very nearly through with our work on the Funariaceae. It has been very interesting, but really hard work. Decisions, decisions! We have been able to throw out a number of species and particularly varieties, but find it necessary to squeeze in some new species also. One of our most startling discoveries is that *Endothodon negaticus* is really *Pettia randii*!

With best wishes,

Sincerely,

Howard

P. hookeri 3395
P. drummondii 5880 fragment
P. hookeri 5888 "
F. flavicans 1077 & 2157

Yours truly,

Bert Cunningham
Bert Cunningham
Professor of Zoology

With best personal wishes, I am

Yours truly,

Bert Cunningham
Bert Cunningham
Secretary and Treasurer

BC:w