



Hunt Institute for Botanical Documentation
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About the Institute

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

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

Williamsport, Indiana
May 10, 1938

Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

I am working on a course of study leading to a master's degree at Purdue. My major is Botany. I now have nine hours credit: five hours in Field Botany (s101) and four hours in "A Problem Course in Plant Pathology" (s256).

I am a high school teacher, therefore I must complete my work in the summer-time.

My under-graduate work was taken at Central Normal College. While there, I heard much about you and your department from Mr. J. C. Nelson.

I am considering changing schools for my graduate work. Would the work I have had a Purdue transfer toward a master's degree at Butler?

I received excellent grades in the courses I had at Purdue. The reason for my desiring a change is this: I feel that a different type of botany, than I can get at Purdue in the summer time, would prove more valuable to me in my teaching.

May I hear from you soon? Thank you very much.

Sincerely

Carl C. Heinemann

There would be no hesitation on our part in accepting the work you have done at Purdue. Send me a statement of your total work in botany inc. U.G. - Then tell you exactly would remain to be done at Butler. We have wide range of courses in both summer and evening



EXPERT FACTORY REPAIRS IN YOUR OWN LABORATORY

NEW AND REBUILT MICROSCOPES AND AFFILIATED MATERIALS

LUKAS MICROSCOPE SERVICE

PHONE: LONG BEACH 5753

1810 SUMMERDALE AVE.

CHICAGO

May 11, 1938

Dr. R.C. Friesner
Botany Department
Butler University
Indianapolis, Ind.

Dear Dr. Friesner:

When I called on you last fall, you asked me to get in touch with you regarding the overhauling of the microscopes in your department as this time.

We are now arranging our trips for this spring and summer and would like to include you in one of our trips.

We shall look forward to a favorable answer from you and hope to be of service soon.

Very truly yours,

AWL/EC

LUKAS MICROSCOPE SERVICE

A. W. Lukas
A. W. Lukas

Funds available Aug. 1

HAVE YOUR MICROSCOPES SERVICED PERIODICALLY

May 13, 1938

Dr. Carl G. Steinman
Williamsport
Indiana

Dear Mr. Steinman:

I have your letter regarding transfer of credits from Purdue University toward work on the master's degree. There would be no hesitation on our part in accepting the work you have done at Purdue. If you will send me a statement of your total work in botany, including under-graduate work, I can tell you exactly what would remain to be done at Butler.

We have a wide range of courses in botany offered, both in the summer session and in the evening division, and it might be possible for you to carry some work in the winter along with your teaching.

After we have had an opportunity to give you an estimate of what would remain to be done, we would be glad to have you come over for a personal conference in case you are still interested in doing your work at Butler. We have several rather profitable lines of research going on, and I feel that we would not have difficulty in placing you into a piece of research which you would find enthusiasm in doing.

Very sincerely yours,

Ray C. Friesner

RCF:VC

MIAMI UNIVERSITY
OXFORD, OHIO

BOARD OF TRUSTEES
W. P. ROUDEBUSH
Secretary

May 17, 1938

Dr. Ray Friesner
Department of Botany
Butler University
Indianapolis, Indiana

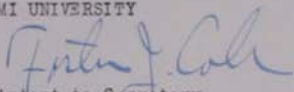
Dear Doctor Friesner:

Dr. Evans of our Botany Department has asked that we get some information on the type of laboratory lamps which you use on your laboratory tables at Butler University in the Department of Botany. Not knowing anyone in your purchasing department, I am taking the liberty of writing you direct asking if you could give me the information as to this type of lamp, its manufacturer and approximate cost.

Thanking you in advance for this courtesy, I am

Yours very truly,

MIAMI UNIVERSITY



Assistant to Secretary
Board of Trustees

Foster J. Cole
t

(1938-39) 1938

May 17, 1938

Mrs. Fred Hamp
George Dental Clinic
34th & Central Avenue
Indianapolis, Indiana

Dear Mrs. Hamp:

I have looked into the matter of diploma fees and find that, according to the recent ruling of the faculty, diplomas will be granted only in June of each school year. This means that those who do not finish their work until August will be given a certificate stating that their work is completed, but the diploma will be withheld and the actual conferral of the degree will likewise be withheld until June of the following year. Therefore, the diploma fee will not be payable until May, 1939 in this particular case.

I have checked Frank's record and find that if he completes the work for which he is signed up now he will still have seven hours to complete during the summer session. It is my understanding that two hours of this have really been completed in the past and that credit for these two hours will be forthcoming by the end of this school year, so that he actually has five hours of work yet to do this summer. Part of these five hours he has been working on during this semester but under our rules he could not sign up for them, and technically the work he has done does not dare to be made known until after the summer session is over, because I have violated a university rule in allowing him to do work for which he is not signed up.

I hope that this answers the questions in your mind and that everything will come out all right in the end.

Sincerely yours,

Ray C. Friesner

TEACHERS COLLEGE
COLUMBIA UNIVERSITY
NEW YORK

May 20, 1938

Professor Ray C. Friesner,
Butler University,
Indianapolis, Indiana.

Dear Professor Friesner:

I have had no earlier opportunity to thank you for the fine courtesy which was extended to me during my too brief visit in Indianapolis.

Meanwhile I find that there will be an opening for a graduate student at Oberlin through which his tuition of \$300. will be remitted and the opportunity will be present to earn at least \$200. additional for assisting me in pollen analysis. This would enable the student to complete his degree in not more than two years.
m. a.

If you have any men who would be interested, I wish you would have them send me full particulars together with a portrait.

I have a few desirable people in mind, but would be glad to have the chance to consider someone with the special training which your department affords.

With kindest regards to you and our mutual friends, I remain

Very truly yours,

Paul B. Sears
Paul B. Sears

PBS:m

May 20, 1938

Mr. A. W. Lukas
Lukas Microscope Service
1810 Sumnerdale Avenue
Chicago, Illinois

Dear Mr. Lukas:

In reply to your letter of May 11 regarding overhauling
of the microscopes in the Botany Department, I am sorry to state
that funds will not be available for this work until August 1, 1938.
We will be glad to have you do the work at your own convenience,
knowing that the funds will not be available until this date.
If it would suit you just as well, it would probably be
better for us if the work were done during the month of August.
However, we will be glad to have it done at your convenience, with
the understanding that the funds will not be available until August.

Very truly yours,

Ray C. Friesner
Head, Botany Department

VERMONT (CASH) 5-20-38

May 20, 1938

Mr. Foster J. Cole
Miami University
Oxford, Ohio

Dear Mr. Cole:

In reply to your letter of May 17 regarding information on types of laboratory lamps in use at Butler University, I may make the following statements.

Each of our laboratory tables accommodates four students and each table is furnished with four separate lamps, one for each student. The lamps are of the ordinary tiltable arched desk-lamp type that cost us about \$1.50 each from a local electrical supply house. Each lamp is fitted with 40 watt frosted bulb. These lamps are used for microscopic work as well as general duty. We find the quality of light coming from them satisfactory for all except our research microscopic work. For the latter type of work we use special research lamps made by Bausch and Lomb Optical Company. You may get an idea of both of these lamps if you have a Bausch and Lomb catalog available. The former is figured as their number 1906 and the latter as their number 4597-R plus their 4563A filter.

In case there is any other information that we are able to give, we will be glad to be at your service.

Very truly yours,

Ray C. Friesner
Head, Botany Department

RCF:VC

RECEIVED (DATE) BY (NAME)

MIAMI UNIVERSITY
OXFORD, OHIO

BOARD OF TRUSTEES
W. P. ROUDEBUSH
Secretary

May 23, 1938


Professor Ray C. Friesner
Head, Botany Department
Butler University
Indianapolis, Indiana

Dear Professor Friesner:

Thank you very much for your letter of May 20. I know the lamp you refer to and had I any idea that this was the type of lamp in which Dr. Evans was interested, I could have shown him several which we already have on the campus. Nevertheless, I am very grateful to you for your information.

Yours very truly,

MIAMI UNIVERSITY


Foster J. Cole
Purchasing Agent

t



EXPERT FACTORY REPAIRS IN YOUR OWN LABORATORY

NEW AND REBUILT MICROSCOPES AND AFFILIATED MATERIALS

LUKAS MICROSCOPE SERVICE

PHONE: LONGBEACH 8789

1810 SUMMERDALE AVE.

CHICAGO

May 23, 1938

Dr. Ray C. Friesner
Botany Department
Butler University
Indianapolis, Ohio

Dear Dr. Friesner:

We thank you very kindly for your letter of May 20th, and wish to assure you that we are glad to go over your microscopical equipment at a time most convenient to us.

We shall be glad to bill you August 1st, when the money will be available. We shall of course advise you when we expect to do this work, and can not tell at the present time. Your offer to do it any time is greatly appreciated by us. Will you be so kind as to tell us just how many microscopes you expect to have checked.

Thanking you again for your prompt answer to our letter, we are,

Very truly yours,

LUKAS MICROSCOPE SERVICE

A.W. Lukas

AWL/EC

HAVE YOUR MICROSCOPES SERVICED PERIODICALLY

May 26, 1938

Mr. A. W. Lukas
Lukas Microscope Service
1810 Summerdale Avenue
Chicago, Illinois

Dear Mr. Lukas:

In reply to your letter of May 23 I may state that we will have forty-five microscopes that will need your attention. There is a bare possibility that there may be a few in addition to this, but it now appears there will be about this number.

Our summer session begins on June 14 and continues until August 3. During this time we will have a class using most of these microscopes except on Saturdays. In case it were convenient for you to do the work on Saturday there would be no class interference. On the other hand, there will be enough microscopes so that you could be working on a small group during the same time that students were using others. Likewise, the students will mostly be through by 12:30 every day so that I judge there will be no great inconvenience to you even though you were to come at a time when the class would be at work in the laboratory.

Very truly yours,

Ray C. Friesner

RCF-vo

CARNEGIE INSTITUTION OF WASHINGTON
ECOLOGICAL RESEARCH

ALPINE LABORATORY, MANITOU, COLORADO
(JUNE-SEPTEMBER)

MISSION CANYON, SANTA BARBARA, CALIFORNIA
(OCTOBER-MAY)

May 27 1938

Professor R. C. Friesner
Butler University
Indianapolis Indiana

Dear Friesner:

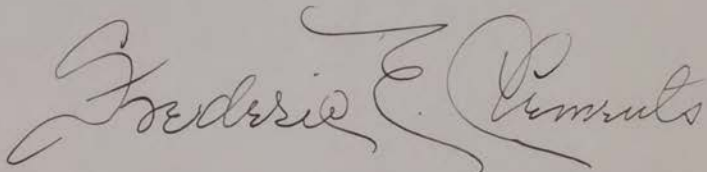
I intended to write you long before this concerning the very interesting papers that were found here upon my return last November. I have also wanted to express our regret over not seeing you and Mrs. Friesner again last fall on our eastward trip. My hope was to have you show Dr. John Phillips some of your critical vegetation but his lecture engagements turned out to be such that we were obliged to go straight through Indiana on the northern route.

We expect to make another field trip to the East next fall if everything is propitious, and I shall look forward to going into some of the critical areas mentioned in your paper. I do not entertain the slightest doubt that you are right as to the proper interpretation of the "mixed hardwoods". Dr. Braun writes that she is to have a year's leave of absence and it may prove possible for her to join us in looking over similar areas in the East.

With our best wishes to Mrs. Friesner and yourself, I am

Yours as ever,

FEC:CJ



THE UNIVERSITY OF KANSAS
LAWRENCE
DEPARTMENT OF BOTANY

May 38, 1938

Ray C. Friesner
Head of Biology Department
Butler University

Dear Mr. Friesner:

I am sorry that I did not get to see you at the meetings as I fully intended doing so.

I will ship a few specimens of Solidago within the next few days. This is not a complete collection and there may be some duplicates as I have not had a chance to look them over.

I have asked Dr. Mix to place your name on the department's exchange mailing list. That will give you all the publications of the department except some of Dr. Mix's. He has his own private exchange list for most of his papers on pathology. Perhaps I had better add that I seldom send a paper of mine unless there is a specific request.

Very truly yours,

W.H. Harr

June 3, 1938

Dr. Paul S. Sears
Teachers College
Columbia University
New York, N. Y.

Dear Dr. Sears:

Thank you very much for your letter of May 20 regarding an opening for a student as graduate assistant at Oberlin. We consider it a distinct compliment to be offered the opportunity of recommending someone for this position.

It happens that we do not have anyone whom we could feel safe in recommending for the work you have to do. All of our people who have had experience in pollen analysis have been graduate students and already have their master's degrees. We do have one or two high-grade seniors who are not yet placed for next year, but none of these have had any experience in pollen work.

Very truly yours,

Ray C. Friesner

June 3, 1956

Mrs. J. Moore
815 West 28th Street
Indianapolis, Indiana

Dear Mrs. Moore:

I have your communication of June 1 regarding your abnormal rose bushes. This behavior is certainly a peculiar one and has not ever come to my attention before. I shall make an attempt next Tuesday, June 7, to come to your place and look at the rose bushes, although it is not likely that I will be able to do anything that will be of value to you in connection with them.

On the basis of the information you have given, it appears that you either have what we recognize as a "sport" or else you may have some virus disease. In either case it would be interesting to follow the case further to see what might be done with it. I am sorry that I shall not be able to come before next Tuesday owing to the fact that we are in the closing days of our school year when work is always heavier than usual.

Very truly yours,

Ray C. Friesner

RCF-vc

(1914-15, 1916-17) 1918-19

June 3, 1938

Mr. Geo. F. Leonard
Butler University
Indianapolis, Ind.

Dear Mr. Leonard:

I am writing with regard to H.Y.A. assistants for next year. As I check over the list which we have for this year, it appears that Mr. Harmon and Mr. Kent are the only two reasonably safe in returning. During the present year we have had six assistants on H.Y.A. time. I hope that you will be able to allow us at least that number for next year. We are hoping to do about 50% more work in the herbarium next year than we have during the present year. This of course will mean that we will need at least one more helper in the herbarium. The reason for doing more work next year is that we will probably be able to purchase more mounting paper next year than we were this year.

A few days ago I came to your office with a student, Mr. Alvin Crawford, who made application for H.Y.A. next year. In case you should find it possible to grant his application, I would like very much if you could assign him to us in the botany department. From what I know of Mr. Crawford, I feel certain that he is very energetic and that he is quite capable and will make a very good assistant for us, especially in the herbarium.

Very truly yours,

Ray C. Friesner

RCP-vc

June 8, 1938

Mrs. Ruth S. Deming
Registrar's Office
Butler University

Dear Mrs. Deming:

In order to forestall any difficulties in your office regarding the graduation of Mr. John Howell and Mr. Scott McCoy, I am making the following statements concerning work done under Special Problems (Botany 371) during the past semester. This course is listed in the catalog as a 1-3 hour course. This has always in the past been construed to mean that 1-3 hours credit could be given for any special problem, depending upon the nature of the work. It has not previously occurred that one individual would do more than one problem in any one semester, although the same individual has been permitted in the past to sign up for the same course in different semesters.

It so happens that Mr. Howell has done work on three different special problems during the past semester, one of which carried two hours of credit, one carried three hours of credit and the third carried one hour of credit. This makes a total of six hours in this course, when the catalog allows only three hours. In the same way, Mr. McCoy has been doing work on two special problems, one of which carried three hours of credit and the other one hour, making a total of four hours, again more than is specified in the catalog for this course. Inasmuch as students in the past have been permitted to repeat the course in different semesters, I see no special reason why they should not be allowed to take more than one problem in any one semester when the case warrants, and that they be allowed up to three hours credit on each problem pursued.

I hope that this explanation will save you some trouble when you come to interpreting the grades sent in for these two students and that their graduation may not be held up.

Very truly yours,

Ray C. Friesner

RCF:VC

June 8, 1933

Dean Ratti:

Miss Olive Gunder has been taking work in botany under the heading of "Special Problems". This course (371) is listed in the catalog as 1 - 3 hours of credit. The intention has always been that any one special problem might carry from 1 - 3 hours of credit, depending upon the nature of the work. In Miss Gunder's case two special problems were undertaken at the same time. Each of them should carry two hours of credit. This makes a total of four hours, which appears to be more than the stated amount for the course in the catalog.

In past practice we have permitted the same student to repeat this course as often as necessity demanded, but we have never had a student take two problems in the same semester. Hence, the matter of more than three hours of credit in any one semester has not come up previously.

I recommend that the administrative committee permit Miss Gunder to have four hours credit during the first semester of the present school year in this course in Special Problems.

Very truly yours,

June 10, 1938

Dr. William Drew
University of Missouri
Columbia, Missouri

Dear Dr. Drew:

I have just learned of a vacancy at Brenau College in Gainesville, Georgia. One of our former students, Dr. Dorothy Parker, has just recently resigned from this position. In a conference with her she tells me that the place is one of the "elite" schools of the South.

The position requires teaching in both botany and zoology, and this together with the general lack of sufficient scholastic standard, was given by Miss Parker as her reason for resigning. While she did not find it satisfactory here, it might be quite different to a man. At least it would be worth looking into.

Sincerely yours,

Ray C. Friesner

RCP:YC

Oenothera 5804 (Onagrac.)	Olmedia 1952 (Morac.)
Oenotheridium 5802 (Onagrac.)	Olmediella 1955 (Flacourtiac.)
Oecania 1834 (Orchidac.)	Olmediophaena 1953 (Morac.)
Ofaiston 2272 (Chenopodiace.)	Oineya 3739 (Legumin.)
Oftia 8114 (Myoporac.)	Olympusa 6966 (Asclepiadac.)
Oianthus 6919 (Asclepiadac.)	Olyra 184 (Gramin.)
Oilapetalum 9749a (Gen.ind.sed.120)	Omania 7654 (Scrophulariac.)
Oiospermum 8737 (Compos.)	Ombrophytum 2160 (Balanophorac.)
Okenia 2344 (Myctaginac.)	
Olex 2131 (Olacac.)	
Oldenburgia 9500 (Compog.)	
Oldenlandia 8136 (Rubiace.)	
Oldfieldia 4339 (Euphorbiac.)	
Olea 6434 (Oleac.)	
Olearia 8916 (Compos.)	
Oligandra 8981 (Compos.)	
Oliganthes 8765 (Compos.)	
Oligarrhena 6272 (Epacridac.)	
Oligobotrya 1124 (Liliac.)	
Oligocarpus 9424 (Compos.)	
Oligocladius 6116a (Umbellif.)	
Oligomeris 3126 (Resedac.)	
Oligoethrix 9416 (Compos.)	
Olinia 5428 (Oliniac.)	
Olisboa 5787 (Melastomatac.)	
Olivaea 9266 (Compos.)	
Oliverella 3161a (Crassulac.)	
Oliveria 6012 (Umbellif.)	
Oliveriana 1763 (Orchidac.)	

UNIVERSITY OF MISSOURI
COLUMBIA

COLLEGE OF ARTS AND SCIENCE
DEPARTMENT OF BOTANY

June 16, 1938

Dear Dr. Friesner:

Many thanks for your recent letter concerning an opening in Botany and Zoology at Brenau. In many ways, I believe that a permanent place- even at Brenau- would be desirable; but since I last wrote you I have accepted the temporary position at Carleton. I rather feel obligated now to go through with it at Northfield, especially since Dr. Stork is soon to be leaving for South America. Moreover, there is a possibility that something may open up here at Missouri in another year, though it is nothing on which I may plan. Thus, I have a hunch that I had better do my year at Carleton and locate a more permanent place next year.

I have just returned from a collecting trip to southern Missouri where I went on a special grant to collect bryophytes. Not that I am primarily a bryologist, but there seemed to be an opportunity to contribute something to the knowledge of the flora of the State by studying these plants. My friend Steyermark has so exhaustively studied the higher plants that, taxonomically, there did not appear to be much opportunity to accomplish anything worth while in the short space of time that I was here. It is my hope that my collections of bryophytes will prove interesting and worth a paper.

I wish that I had had time to make a collection of the Flowering Plants while I was working in the Ozarks; but I could not do justice to my principal objective if I had done this. As a matter of fact, the University Herbarium could well use a collection of Flowering Plants from the southern part of the State. We have some of Steyermark's material, but we could use a lot more.

After an indefinite stay at the Missouri Botanical Garden where I shall check their bryophyte collections, I expect to join my family in Colorado. I hope to get a quiet corner of a cabin in which to write up my assembled data; but with my two lively youngsters, I may have some difficulty!

A recent letter from Stan informed me that Dwight is at Junaleska again. It surely will be a change from the mountains of North Carolina to Reno, Nevada; but I have no fears for Dwight!

Thanking you most sincerely for writing me of the Brenau opening- as well as of that at Carleton- I am,

Very sincerely yours,

William B. Davis

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

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INDIANAPOLIS

Bluffton, Ind.
June 16 1938

Administrative Officer
V. M. Simmons

Dear Friesner:- Just discovered that our map for *Solidago glaberrima* is missing. Will you please list your county records for this species and oblige so I can put on the map. It might be you had them under another name and I have them on some map. If so give me the name or best just give me the county names. I am about like like college Prof. at commencement time. So many little frivolous duties to look after that you do not know if you are going or coming. That is me just now. I am trying to close the flora and I find this and that memo that must yet be cared for but I am grateful I now have them all about cared for.

I hope you and J.E. will now get a rest. I wrote Prof. Potzger yesterday a joint letter. Wife accuses me of writing too much. "all my troubles will now soon be over but doubtless things will be coming up until the book is delivered. Got a new name this morning. Here it is *Cirsium lanceolatum* (L.) Hill now becomes *Cirsium vulgare* (Savi) Airy-Shaw.

In Fedde Rept. Spec. Nov. Ap. 1938

OK by Weatherby

Come up when y u can, sincerely yours,

Chas. C. Neam

No data needed except a list of counties.

— Our only specimen is one from Newton Co Coll by Loughridge
Torilis ^{*anthriscus*} along Rd 129 5.6 mi n. of junction with 56 w. of Vevay



R. A. HAVENS, Director
Residence Phone: Riley 1900

JOHN R. BRAYTON, M.D.
Consulting Chemist

DR. RAY C. FRIESNER
Consulting Microscopist

S U P E R I O R S E R V I C E S A V E S

SUPERIOR LABORATORIES

405-406-407 MARION BUILDING • RILEY 2789
10 WEST OHIO STREET • INDIANAPOLIS, INDIANA

June 17, 1938

Dr. Ray C. Friesner
Head of the Botany Dept.
Butler University
Indianapolis, Indiana

Dear Dr. Friesner;

We are again making plans for the coming canning season, and as matters appear now, we will again need some new analysts.

If it is at all convenient, we would sincerely appreciate your referring us to some students in your department, whom you feel would be able to do this type of work. This year, as in the past, we want to use only graduate, or under-graduate, students of Butler University, if it is at all possible.

Please feel free to make any requests for any kind of cooperation that you may feel we could give you. We have been very fortunate in getting the calibre of students which you have sent us in the past. We want to again express our appreciation for the things you have done for us.

Very respectfully yours,

SUPERIOR LABORATORIES

By *Richard Havens*

RAH-g

June 20, 1938

Mr. Charles C. Deam
Bluffton
Indiana

Dear Mr. Deam:

Your letter of the sixteenth just reached me this morning. I don't know why it was delayed in coming. I find from a trip to the herbarium that we have but one specimen of Solidago globerrima. This is one collected by Loughridge from Newton County. Thank you very much for your note regarding the changing in nomenclature of Cirsium lanceolatum.

For the past two Saturdays we have been botanizing in the southeastern corner of the state. On June 18 we were in Switzerland County and on June 25 we were in Ohio County. We found nothing in either of these counties except "mine-run" specimens. We did, however, find quite a number of specimens of Torilis anthriscus along Road 129 5.6 miles north of the junction with Road 56, west of Vevay. Since this species has not been reported for the state very often (if at all) I thought you might be interested in this county because it might be a new county record.

Sincerely yours,

Ray C. Friesner

RCF:VC

June 20, 1938

Mr. Richard Havens
Superior Laboratories
10 West Ohio Street
Indianapolis, Indiana

Dear Mr. Havens:

I have your letter of the seventeenth regarding names of students who might be capable and interested in taking up mold counting work with you. I will try to get a list to you within the next few days. My summer school work has me tied up for the next couple of days so that I will not be able to give any thought to it until some of the preliminary work is cleared away, but I will do my best to get the names to you as soon as possible.

Very truly yours,

Ray C. Friesner

RCF:VC

EDWIN LINCOLN MOSELEY
PROFESSOR EMERITUS OF BIOLOGY
CURATOR OF UNIVERSITY MUSEUM
BOWLING GREEN, OHIO

July 4, 1938

Professor R.C. Friesner
Butler University

Dear Sir: - I was glad to get
the information in your letter
of Dec. 8. I spent some
time with the specimen
(section) of bur oak at Short-
ridge, and my friend, Joel
Wadley, asst. prin. there
much more time in making
a tracing of the rings, but all
this time was wasted because
I discovered that the dates

which had been marked
with ink on the section
before it was loaned to
Shorthridge were not
correct.

I spent about 3 days
at Jasper last August and
had the assistance of some
of the mill men there.
I would like to see the stumps
of the large trees near
Warraw, where there are
stumps. I can send you
some of the reprints on stumps
if you care for them. I sent,
weeks or more ago, one of the mimeo-
graphed sheets to the Indianapolis

I am, but do not know whether they used.
I do not know whether they used.
I do not know whether they used.

Locantville, Indiana
July 5, 1938

Dear Dr. Richardson,

I did not get to come
to school the first four
weeks and take (101 General
Botany). Would you please
let me know if I could
come the next four
weeks and take 102
General Botany? I didn't
know what would be
best. Thank you -

Prof. Freeman &
will you please
reply to this. It
seems to me to be
too late to
intermed. Sincerely yours,
Ernest Bouff
W. J. R.

July 7, 1938
Miss Ernel Fouts
Losantville
Indiana
Dear Miss Fouts:
Your letter of July 6 regarding attendance at Butler University during the second half of the Summer Session has been referred by Dean Richardson to me for answer.

Ordinarily it would be unwise to attend the second half of Summer School and attempt to take the second half of botany without having had the first half. We have permitted this arrangement in the past and with satisfactory success, but only when the students concerned had had a superior course in high school and when they had done especially high-grade work in that course.

Therefore, I would not say that you should not come for the second half of botany, but unless you have done some good work in the past in high school, I believe it would be quite difficult for you to carry the work.

Very truly yours,

Ray C. Friesner

RCF-vo

July 7, 1938

Dr. E. L. Moseley
Bowling Green
Ohio

Dear Dr. Moseley:

I appreciate very greatly the reprint which you have just sent dealing with your studies on tree stumps. The conclusions you have reached certainly seem plausible when they are given thoughtful consideration. The greatest difficulty that I see is in finding stumps that are old enough to give a thorough checking upon your conclusions.

You can rest assured that I shall communicate with you whenever I run across any stumps that go back as much as one hundred years, and the date of which can be authenticated.

Sincerely yours,

Ray C. Friesner

RCF:VC

July 20, 1938

Miss Marguerite Fletcher
612 Liberty Street
Crawfordsville, Indiana

Dear Miss Fletcher:

I am enclosing stamps for the hand lens which you left to be sold to my summer school class.

I am sorry to be so slow in forwarding this money to you, but have been so busy with routine work that I have just now found time to get around to it.

Very truly yours,

Ray C. Friesner

RCP-vo

Butler University
INDIANAPOLIS, INDIANA

July 20, 1938

Miss Marjorie E. Parnell
Rural Route 3
Williamsport, Indiana

Dear Miss Parnell:

I am sorry that it was necessary for you to write calling my attention to the fact that I had not mailed you the money for your book and laboratory instruments left last summer. The money has lain in my filing cabinet throughout the year and one day has simply led to another without the money being sent to you.

Very truly yours,

R. C. Friesner

July 20, 1938

Miss Marjorie Goldsmith
5801 Central Avenue
Indianapolis, Indiana

Dear Miss Goldsmith:

I am enclosing personal check for the laboratory instruments which you left to be sold to my summer school class.

I am sorry to be so slow in forwarding this money to you, but have been so busy with routine work that I have just now found time to get around to it.

Very truly yours,

Ray C. Priesner

RCF-vo

July 20, 1938

Miss Marjorie E. Parnell
Rural Route 3
Williamsport, Indiana

Dear Miss Parnell:

I am sorry that it was necessary for you to write calling my attention to the fact that I had not mailed you the money for your book and laboratory instruments left last summer. The money has lain in my filing cabinet throughout the year, and one day has simply led to another without it being sent to you. It is merely a case of negligence on my part. I am sorry for the inconvenience that it has caused you in being out of the use of the money so long.

Very truly yours,

Ray C. Friesner

RCF-vc

July 20, 1938

Miss Florence Schulz
838 Oxford Street
Indianapolis, Indiana

Dear Miss Schulz:

I am enclosing personal check for the laboratory instruments which you left to be sold to my summer school class.

I am sorry to be slow in forwarding this money to you, but have been so busy with routine work that I have just now found time to get around to it.

Very truly yours,

Ray C. Friesner

RCP-vc

Photo House is open
would you tell them I
expect to be in Indianapolis

Open box on top of
middle row of
Hert. Cases

THIS SIDE OF CARD IS FOR ADDRESS



Dr. Friesner
O & some other Butler University
Dept of Botany
Indianapolis
Indiana

Saturday 7-30-38
 Dear Dr. Trelease. R#3
 I will be thro
 husband's sales some
 time on my way to
 Crown Point - probably
 the best of my wife
 and will send a specimen
 of *Juniperus* *horizontalis*
~~*Saxifraga*~~ *Saxifraga* *Saxifraga*
~~*Diocleia*~~ *Diocleia* that I left
 with you in the autumn
 of '37. I want to show
 them to Paul Standley
 along with some I have
 here to establish
 a second
 species in Florida
 I have made up a
 considerable package
 some 100 or more of
 my best specimens that
 Bulley can have if he
 will pay express - I want
 to. Always Sincerely
 P.S. will return here in November

BENJAMIN WALLACE DOUGLASS
HICKORY HILL
TREVLA, INDIANA

Dear Dr Freisner:-

In Friday's Times I note some comments of yours about "Bacon's Pond" and I thought you might like to have some additional information about that interesting place.

As a student I explored "Bacon's" pretty carefully and at one time probably knew more about it than anyone.

It was, of course, an old glacial lake that filled up. I made a "boring outfit" with which I was able to penetrate the swamp to a depth of thirty five feet. At several places I failed to find the bottom of the peat deposit at that depth.

The peat is a true sphagnum peat. In a study of various American peats I found it one of the purest and one of the highest ~~fuel~~ fuel value, burning with an astonishingly low per cent of ash. Many peats are contaminated with clay or other mineral deposits which produce high ash. This was not true of the Bacon's Pond peat.

Doubtless more about this peat can be learned by consulting Mrs John Noble, (who lives on the east side of the bog), because at one time her father cut quantities of peat for fuel. (I should know because I once fell into one of his cutting trenches one spring night when I was collecting frogs for dissection.)

Now here is the interesting thing, (which may disprove your theory about the water), the bog is underlaid over its entire area by a very tough, impervious greyish-white clay. I found this clay in all my borings. I assumed that its presence prevented underground drainage and formed the lake in the first place.

Also, I ran a number of levels to the north and found the surface level of the pond to be lower than the water level of White River at the Broad Ripple Park.

I have no accurate information of the levels to the west but my general impression is that the spot where this water is causing trouble is higher than Bacon's Pond. It has been a long time since I knew that section and I may be mistaken.

But, considering the clay bottom of the pond, or bog, it seems unlikely that water would escape by any underground means.

Speaking of the sinking of the road there is another interesting place in that locality that you might check up some time when you are over there. Due west of Bacon's was a smaller bog, (I never found sphagnum there), through which the Monon

20
+
12

same where I failed to penetrate to the bottom of the peat.

Rail Road ran. I do not know when the line was built but it was long before my time. Still, as a boy, I remember that the line made a distinct dip where it crossed that small bog. I'd like to know if the rail road ever licked that engineering problem. If they have not it seems unlikely that the city will ever have much luck building its street across the far larger area of Bacon's.

July 30 1938.

Sincerely,

Rue Douglas

August 2, 1938

Mr. Benjamin W. Douglass
Hickory Hill
Troy, Indiana

Dear Mr. Douglass:

I am very grateful to you for the information which you have so kindly sent regarding Bacon's Swamp. We have been making a pollen study of the swamp for the past two years and now have a manuscript in press giving our results.

We found 20 feet of peat overlying 12 feet of marl at the deepest point where we made a boring. This was immediately south of Fifty-sixth Street, and near the east side of the bog. The marl probably corresponds to what you speak of as "tough, grayish-white clay". In all of our borings, we found the marl to rest on a bed of sand or gravel. The student who made the pollen study of the peat taken from Bacon's has made use of your publications regarding the "swamp" in the Proceedings of the Indiana Academy of Science.

The bog extends west beyond the Monon Railroad, with a small arm reaching as far west as Winthrop Street which is two blocks east of College Avenue. The water stream mentioned in the Times occurred about two blocks north and perhaps a block west of the western limit of the bog. There is considerable higher ground surrounding the bog, but the location of this water stream is probably below the present water table in the bog by several feet.

Of course I have no proof that the water is coming from Bacon's Swamp. As a matter of fact, the idea was only suggested by the reporter of the Times and I merely said that it is quite possible that it might be coming from there.

Regarding the sinking of the fill for Fifty-sixth Street, this I think is about the third time in my knowledge that they have made the attempt, and of course the fills will continue to sink until

Douglass
2-VIII-38

Page Two

they reach the bottom, and if they ever put a road through it will be only when they have completely filled up the hole where the road is to go.

Sincerely yours,

Ray C. Friesner

RCP-vo



THIS SIDE OF CARD IS FOR ADDRESS

Prof. R.C. Friesner,
Butler University
Indianapolis
Indiana.



THIS SIDE OF CARD IS FOR ADDRESS

Prof. Ray C. Friesner,
Butler University
Indianapolis
Indiana.

Dear Dr. Friesner: Many thanks for the data on
Scutellaria. These will appear on the map.
Thanks for prompt reply. Glad to learn you
plan to be with the Caravan in Sept. May be
we can arrange a trip for Sept. 2 too. I will
learn if Kriebel can go if so will try to ar-
range an extra day.

I wish you a pleasant and profitable
vacation.

I am sincerely yours,

Chas. C. Deam.

Will you please send me a list of counties you
have the genuine *Zacalpa gracilis*. According to
my map you do not have it at all. It seems to me
you did have a few sheets of the genuine, with
the name ~~XXX~~ blown in on the bottle. On Sept. trip
I want to show you this plant south of San Pierre

Send data on postal. Hate to bother you
but as I now have it the distr. seems to be in
the Mississippi Embayment. area with one Knox County
plant.

Sincerely yours

This time I will try to get data on ~~Castro~~ maps.

Chas. C. Deam

Dubois

Sheet has your approval dated 4-25-38

August 4, 1938

Mr. Benjamin W. Douglass
Hickory Hill
Trevlao, Indiana

Dear Mr. Douglass:

I have your letter of recent date regarding Bacon's Swamp. Since I am just in the act of leaving for a vacation, I shall not be able to make a trip over to the swamp to check regarding the connection between the bog west of the Monon and the main part of the bog. As I recall, however, the part west of the railroad is merely an extension of the main bog, with no high land coming in between. However, this needs to be checked. I should think that the water filtering through so much gravel as would be necessary to reach 59th and Carrollton would be pretty well filtered by that time.

Your findings of 35 feet of peat are very much greater than any that we have been able to find. According to the sketch which you have sent, our borings were not far from yours. I suppose a considerable amount of the difference may be due to a general lowering of the water table, which has permitted the peat to sink and thus to give us a peat bed of lesser thickness than formerly. At any rate, 20 feet is the largest amount of peat we found anywhere.

Regarding the wood from near Trevlao, I am sure that we would be very glad to have a specimen if you can still find some. Also, the next time we come down to Trevlao we would be glad to have you show us just where this came from if it should be convenient for you to do so. We are still carrying on some experiments on your hickock bluffs above the Bean Blossom creek. We started a ten-year experiment about seven years ago and thus have about three years remaining on this project. Thanks very much for the tip regarding the introduction of non-native plants. You would have had us worrying about how those got there if we should have run across them.

Very truly yours,

Ray C. Friesner

RCF:VC

Dear Dr Freisner:-

I'm probably all gummed up on my locations when I speak of Bacon's because when I knew it there were no streets by which we could spot localities. On the east was "the river road" and on the north was a county road which we were just starting to call 58th street. Elmer Dawson lived on this road just north of the swamp and, running south from 58th street was an old ditch, old even in my time, that some one had dug in an effort to drain the north end of the swamp. (Just where they expected to drain it I do not know.)

Most of my borings were made in the wide area of the swamp and if I mistook marl for clay it was a stupid error on my part. I never bored through the "clay" or marl or whatever it was. As a matter of fact when I made the borings I was interested chiefly in the peat and probably did not look as closely as I should at other things.

But "Bacon's" as we knew it certainly did not extend as far west as the Monon. The Monon ran through an entirely different swamp, not a peat bog but a button bush environment. (There was also button bush in the west end of Bacon's.)

Between Bacon's and the Monon there was relatively high wooded land which we designated as "the dynamite woods". In that woods was an old shack that had been used to store explosives at the time that neighborhood was being exploited as an oil field. Some wells were still being pumped when I was most familiar with the place.

I haunted that locality day and night and was a most suspicious character to the natives. I was seen carrying a camera and a very odd shaped tin contrivance and apparently had no means of support. Elmer Dawson finally became so curious about my activities that he asked me about the tin contrivance and I opened it, (a "botany can"), to show him the specimens I had been collecting. I think he felt that I had just picked some weeds to "throw him off the track" and that I had some deep dyed and perhaps sinister purpose in prowling about. When I found he was such a suspicious person I perhaps did things to create still deeper suspicion in his mind just for the fun of it but eventually we became great friends and he would often save specimens for me or tell me where rare birds might be found. Once we had a wood duck nesting at the edge of the pond.

All of which gets a long ways from the "wild water". If this water comes from the bog dont you suppose it would be tinged with the brown color characteristic of the bog water? Or would filtration through sand remove the color. My impression is that the color of bog water is a dye and not likely to be filtered out. The Bacon's water was certainly quite dark.

Douglas
3-VIII-38

Sugar Bush

Elmer Lawlor

58+6

23 Persimmon trees

Woods
x x x
Paykows

River Road (New Keystone?)

Gravestone
++
++

No peat from here north.

Peat
cutting
for
fuel

Woods

About here were
very large ferns.

About here the peat was 35' deep
a Borings - made about 1903.

One of my favorite biological prowling grounds now is the mouth of Scotty Bay Creek in Michigan which contains brown water and this color persists far out in the bay.

I'll be glad to have the paper on pollen studies. Would you be interested in some wood taken from a terminal moraine near Trevlac. We have a number of such specimens obtained when we dug a well. In the hole we found quite a lot of this wood, obviously coniferous, a trace of gold, one chunk of rather rich silver ore -- in fact we found almost everything but water.

Specimens of wood were sent to the Missouri Botanical Garden and one was identified as white spruce. However the Garden did not seem specially interested. I think I still have some bits of this wood if you want them. They came from immediately south of where your students once did some work on my hemlock bluff above Bean Blossom. (If they work there now caution them not to believe everything they see. I have planted some stuff from Michigan and they may think they have found wild plants that really do not belong there.)

August 3 1938.

Sincerely,

B. J. P.

Thanks
for the
wood
tip

W. H. T.

UNITED STATES
DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Mr. Roy C. Friesner
Lynchburg, Va.

New Castle, Ind.
Aug 4, 1938

Dear Friesner:

I had a letter from Dean this morning giving me your address. I was under the impression that you had been east for some time, or else I might have approached you relative to the proposed field trip of the plant taxonomists in the Ind. Acad. Sci. about which you have probably heard rumors.

As the elected Chairman of the group which attended the Fall meeting at North Manchester, I took it upon myself to investigate a summer meet in accordance with the expressed desires of some.

I have made tentative plans which call for a meeting at Bass Lake on Sept. 2-5, 1938.

I sent a program to Weatherman and one to Dean because I knew they were in the States. Upon my return to Bedford I'll have both of their ideas which I will incorporate into mine and revise the Program. As soon as I get it in form I'll send you one.

I do want you to be sure you can be present. We are counting strongly on you to help keep the thing going in full glare day.

It is my personal desire to have the meeting
be an example of what the purposes and methods
of field trips are. Above all I do not want to
have it degenerate into a mere picnic.

It is planned to invite interested plant
taxonomists from the Mich. Acad. Soc. I
have been told they are in need of an example on
the method of field trips. So I solicit your
candid suggestions on how to make this
meet a worthwhile one. Ream writes that
you can be here by the 2nd of Sept. I do
hope you can be here for the beginning of the
session. Sept 3. will be spent (according to
the plans now) in Jasper Paluski Game Preserve,
the Dept. of Conservation has given permission
for the group to collect anything it wants.

Hoping to hear from you relative to
the field trip, I remain

Sincerely

Ralph M. S. S. S.

Recommended Byron Moss
Frank Hamy Second

PURDUE UNIVERSITY
AGRICULTURAL EXPERIMENT STATION
LAFAYETTE, INDIANA

DEPARTMENT OF HORTICULTURE

August 9, 1938

Dr. R. C. Friesner
Department of Botany
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

We now have a fellowship available for a student who wants to do graduate work and who has recently obtained his undergraduate degree. The fellowship will pay sixty dollars a month on a twelve months basis and probably will be available for two winters and one summer, and perhaps longer. It will be an opportunity for a student to work toward a Master's Degree and to assist in quite a wide variety of research. It is in connection with our radiation project and the work is extremely varied, in that we are carrying out botanical and physical research. However, it will be necessary for the student to assist with quite a few of the less interesting tasks such as cleaning the laboratory and helping with greenhouse work.

I would prefer a student who is aggressive and willing to work. He should have had some course work in Plant Physiology and Chemistry. Since there will be one other graduate assistant on this project, there is a necessity that the student have the ability to get along with his fellow students. I am not particular that the student be outstanding as to his scholastic rating, but I would like one who seems particularly interested in going ahead with research.

If you have anyone that you think might fit our requirements I would certainly appreciate you advising me accordingly. I realize that it is rather late to be asking for graduate assistants, but several situations have developed here recently which have resulted in this opening.

Since Alice and I occasionally drive to Indianapolis we could interview any of your students down there rather readily. Alice is going to work with me a great deal more this year than she has in the past and she is planning to go ahead with some of the work.

We have been very fortunate to have a new wing added to our building which is going to add considerably to our opportunities. As you probably know, we have been quite crowded here for the last seven years for laboratory space and the new addition is going to give us plenty of room to carry on many phases of work that we have not had the facilities for in the past.

Alice wishes to send her regards.

Sincerely yours,

R. B. Withrow
R. B. Withrow

REW:ve

Research Assistant, Light and Plant Growth

Byron Moss
Ina Stanley
Louise Moorman
Olive Gunder
Mary Mintern
Charles Gudge
Charles Richardson
Frank Harp
Mary Jane Newman
Marcella West

John Howell
James Otto
Maxine Moss

MASSACHUSETTS HORTICULTURAL SOCIETY

HORTICULTURAL HALL, 300 MASSACHUSETTS AVENUE

BOSTON, MASSACHUSETTS

August 11, 1938

Butler University Botanical Garden
Butler University
Indianapolis, Ind.

Gentlemen:

This society is about to publish a book to be called "The Gardener's Travel Book", which will undertake to describe points of horticultural interest in all parts of the country. When getting this book ready for the press, we found that we had no photographs from your state. Please let us know if you can make it possible for us to obtain pictures very soon of the sand garden and the wild flower garden at Butler University.

Very truly yours,

D. E. Ames

Secretary's office.

