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

TELEPHONE SEDGWICK 3-3200

THE NEW YORK BOTANICAL GARDEN
BRONX PARK (FORDHAM BRANCH P. O.)
NEW YORK, N. Y.

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VICE-PRESIDENTS
HENRY DEF. BALDWIN
JOHN L. MERRILL

TREASURER
ARTHUR M. ANDERSON

DIRECTOR
WILLIAM J. ROBBINS

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October 1, 1940

Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

Acknowledgement is made of the receipt of your letter of September 30. I have written to Dr. Folkers today concerning the sample of ripe fruits of Solanum carolinense, and he will be on the lookout for these.

I am enclosing the check which "failed to receive my signature."

Sincerely yours,

B. A. Krukoff

Bak/Jd
Enc. (Check)

DEPAUW UNIVERSITY
GREENCASTLE, INDIANA

Oct. 2, 1940.

Dr. Ray Friesner,
Bot. Department,
Butler University,
Indianapolis, Indiana.

Dear Dr. Friesner:

This is my annual request for a loan of mosses from your herbarium for another number in my series for the Indiana Academy of Science. I hope you will find it possible to loan me species of the following genera for study for a few days. Please.

~~Astomum~~
Weisia
~~Gymnostomum~~
Tortella
Barbula
~~Phascum~~
~~Pottia~~
Desmatodon

Indiana plants only. Any other genera in Tortellaceae and Pottiaceae should be included if they are Indiana plants. Wbo.

Sincere thanks for your trouble. I shall gladly pay postage.

Yours truly,
Winona H. Welch
Winona H. Welch

October 3, 1940

Dr. B. A. Krukoff
New York Botanical Garden
Bronx Park (Fordham P. O.)
New York, New York

Dear Dr. Krukoff:

Your letter of September 30 is at hand. The species of the fruits sent you was Solanum carolinense. We are still on the lookout for ripe fruits but it begins to look doubtful whether many of them will ripen this year. This is probably due to the extreme dryness of the summer coupled with the early frost. I am hoping we will catch some of them before frost. Mr. Ek of Tokyo is on the lookout for them. I have asked him, in case he finds some, to send them to Rahway.

Sincerely yours,

Ray C. Friesner

RCF:mb

October 8,1940

Dr. Winona H. Welsh
DePauw University
Greencastle, Indiana

Dear Dr. Welsh:

I am sending under separate cover one specimen each of three genera of mosses. This is all the material we have from Indiana in the genera you wished.

Sincerely yours,

Ray Greifesner

RCF:mb

camp

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October 7, 1940.

Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

My dear Friesner:-

Thanks for sending the numbers 11 - 14, of the Butler University Studies. For some reason our Library did not get this issue. Hence it was missed in the last issue of the TAXONOMIC INDEX.

However, as an editor that has to check about 500 publications each month to glean the material for the Index, I would like to offer a few suggestions as to how you might make the lot of the bibliographer a mite easier.

Asplenosorus inexpectatus Braun ex Friesner, Butler Univ. Stud. 4: 154. 1940 (the correct citation) is apparently validly published. But what is its exact status? In the reference you cite, Dr. Braun published it as a hybrid. Are you changing its status to that of a valid species, or is it still a hybrid - one to which you have given a name? On the face of it, it looks as if either you or Dr. Braun (or both) have changed its status, for the name is not prefixed by the multiplication sign. However, the only clue you give to the plant is in the reference, which refers to a hybrid.

Also, I think it would be advisable to have your printer get some multiplication sign type. Throughout you have used the capital X instead, which sometimes is confusing.

In your paper on Solidago I offer the following two suggestions. The new combinations are quite valid, being within the Rules. But to dig them out is a little unhandy as you have not been completely consistent in the order of citation; also you practically force the bibliographer to consult the original literature. His work would have been speeded up had you done as follows:

Solidago bombycinum (Lunell) Friesner, comb. nov.

Oligoneuron bombycinum Lunell, Amer. Midl. Nat. 2: 59. 1911.

Thus, there would have been absolutely no possibility of confusion or error.

camp

Dr. Ray C. Friesner -2- October 7, 1940.

I also feel that you might have done a little better for your Solidago gigantea salebrosa (Piper) comb. nov. Just what is the status of salebrosa, a variety or form? If salebrosa originally was a variety of serotina and serotina has itself been made a variety of gigantea, do you accept Piper's ranking of salebrosa relative to serotina (therefore forcing it to sub-varietal rank) or have you changed its relative status and made it equal in rank to serotina? In other words is salebrosa now a variety or form? You did not designate its rank.

These little things, in themselves, are not serious, but to those of us who have to comb through so much material, it is pleasant to have such matters made as easy as possible. I mention these things, not so much by way of criticism but merely because I am probably a little lazy and don't like to have to figure out what an author meant, wanting him to do it for me.

Cordially yours,

W. H. Camp
Assistant Curator.

WHC/BP

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WILLIAM J. ROBBINS

October 8, 1940

Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

Under a separate cover I am sending you today forty-eight (48) specimens of Puerto Rican plants.

Very truly yours,

B. A. Krukoff

Bak/Jd

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TREASURER
ARTHUR M. ANDERSON

October 8, 1940

Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

Many thanks for your letter of October 3. The sample of Solanum carolinense that you so kindly sent to us is now being tested chemically at Rahway.

Sincerely yours,

B. A. Krukoff

BAK:JD

October 10, 1940

Dr. W. H. Camp
New York Botanical Garden
Fordham Branch P. O.
New York, New York,

Dear Dr. Camp:

Your letter of the 7th is at hand. I am deeply appreciative of the criticisms it contains. I can see your point plainly and am sorry that such things were over-looked on my part. Some of the points were plain blunders by way of omission and some are due to a habit of mine in omitting the taxonomic status of variety and form when I write field notes for herbarium labels. I shall file your letter and make an honest effort to make your work on the Taxonomic Index less burdensome in-so-far as my future material may be concerned. Part of the trouble is that I do too little of such work and too much time elapses between publications. At any rate, I think it was certainly kind of you to take the added time and trouble to write.

X Asplenosorus inexpectatus Braun ex Friesner. It was intended to keep this as a hybrid and the error is one of omission on my part.

Solidago gigantea var. salebrosa (Piper) comb. nov. It was my intention to keep salebrosa as a variety but make it a variety of gigantea.

Again I thank you for your trouble in calling my attention to these points and hope I shall not cause you extra labor again especially when so much of your work is a "labor of love" any way.

Sincerely yours,

Ray C. Friesner

RCF:mb

Dr. H. Hapeman
225 BROWN AVENUE
Minden, Nebraska

October 12th 1940.

Prof.Ray C.Friedener,
Indianapolis,Indiana.

Dear Prof.Friedener:

I thank you very much for the two botanical publications which you recently sent me. By this mail I am sending you seventeen herbarium specimens,some of which I hope may prove new to your collection.

Yours truly,

H. Hapeman

October 15, 1940

Dr. P. O. Schallert
1820 S. Main Street
Winston-Salem, North Carolina

Dear Dr. Schallert:

I have your card regarding some further botanical exchanges. I have quite a large collection of duplicates received from other persons with whom we have been trading. These are all labelled and could be sent to you on a few days notice in case you should care for them.

I also have a considerable number of duplicates from the present season's work but the labels for these have not all been typed. I could sent you these duplicates of my own as soon as we can get around to typing the labels or send you either one or both of the above lots of plants. In some cases we have several specimens of the same species and we could include a number of specimens or only one of each species as you may choose.

If you will let me know whether you wish the duplicates collected by others or those of my own collecting or both and whether you care for more than one specimen of the same species, I will be glad to send them as soon as possible. We would be glad to receive specimens from you.

Sincerely yours,

Ray C. Friesner

RCF:mb

October 15, 1940

Dr. B. A. Krukoff
New York Botanical Garden
Bronx Park (Fordham P. O.)
New York, New York

Dear Dr. Krukoff:

Mr. Charles Ek of Kokomo, Indiana, informed me that he sent about eight pounds of ripe fruits of Solanum carolinense to Dr. Folkers late last week.

The package of herbarium specimens came yesterday and I express my thanks to you for them.

Sincerely yours,

Ray C. Friesner

RCF:mb

October 15, 1940

Dr. H. Hapeman
225 Brown Avenue
Minden, Nebraska

Dear Dr. Hapeman:

Your package of herbarium specimens came this morning. I have not yet had time to open them but I am sure they will be very acceptable to our herbarium. Your specimens have always been very high grade.

I am sorry to report that I have been able to secure very few of the species you wished. What we have been able to collect I will send as soon as we can find the time to prepare the labels. I appreciate very much the relations we have had with you.

Sincerely yours,

Ray C. Friesner

RCF:mb

Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

Biology Building
University of Wisconsin
Madison, Wisconsin
10/16/40

Dear Dr. Friesner:

A package of sixteen specimens of Solidago collected in Wisconsin was sent you yesterday. These are in exchange for the copy of your key sent me last August. I trust you find them satisfactory. The specimen of S. sciaphila agrees with others identified by Professor Fernald. The plant occurs on bluffs in the Driftless Area, and commonly has sharply toothed leaves.

Very truly yours,
Lloyd H. Shinners.
Lloyd H. Shinners

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Write Ek about Physalis

October 18, 1940

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

Dear Dr. Friesner:

Many thanks for your letter of October 15th, also for the sample of Solanum carolinense that Mr. Ek so kindly sent to Rahway.

Under a separate cover I am sending you 15 specimens from the Philippine Islands and Surinam. I think this small set will prove to be a fine addition to your herbarium. They were received in connection with our studies of Curare and fish-poison plants. The specimens will be cited in chemical papers which eventually will be published on the subject.

Dr. Walti is getting very interesting results in his studies of enzymes of Solanum spp., and, in this connection, it would appear most desirable to examine fruits of Physalis. If you, or some of your friends, are in a position to obtain 1/4 pound or more of fruits of some sp. of Physalis, please do so and kindly send them directly to Dr. Folkers by air express collect. Disregard the request if the fruits are difficult to obtain.

You will be interested to hear that a trip to Amazonian Peru is now under consideration and it is likely that I will leave New York within two or three months.

Sincerely yours,

B. A. Krukoff

Bak/Jd

October 18, 1940

Mr. Charles M. Ek
1812 No. Purdurn St.
Kokomo, Indiana

Dear Mr. Ek:

I wish to acknowledge receiving your card of October 10, 1940 informing us of the 8 lbs. of fruits of Solanum Carolinense. These fruits were received in good condition. We greatly appreciate the time and effort you spent in collecting these and in sending them to us.

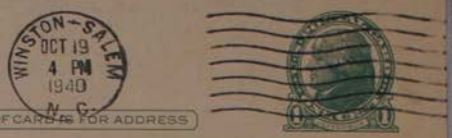
It will take a little time in order to complete our tests on these fruits.

Very truly yours,

Karl Folkers
Assistant Director of Research

KF/NL

Copy for Dr. R. C. Friesner



Botany Dept.of Butler
University,
Indianapolis,

Dr.Ray C.Friesner. Indiana.

Winston-Salem, N.C., Oct. 19, 1940.

Dear Fellow Botanist,-

I have just sent to your address two parcels via P.P. prepaid, the following;

127 specimens of the lower orders

283 " " " vascular groups.

---

410 total.

You may send me all vascular specimens, if you so prefer, and as many different as possible; And I would rather have duplicates from others if you have such through your exchanges as well as from your own collections. Yours most sincerely

P.O. Schallert

1820 S. Main Street.

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October 22, 1940

Dr. B. A. Krukoff
New York Botanical Garden
Bronx Park (Fordham P. O.)
New York, New York

Dear Dr. Krukoff:

Your letter of October 18th is at hand. The package of species from the Philippines and Surinam arrived today. We are very gratefull to you for them because they make a very valuable addition to our herbarium.

We will be on the lookout for fruits of Physalis on our regular Saturday field work. I have also written to Mr. Ek at Kokomo asking him to do likewise. You may be interested to know that Mr. Ek is retired from regular work and gets real pleasure out of being able to help someone botanically. I assure you that it has been a satisfaction to us to be able to in some way pay you back for the specimens you have sent.

Our collecting work for the year is over and I have somewhere in the neighborhood of 200 non-duplicating species to send you as soon as we can get the labels typed.

Sincerely yours,

Ray C. Friesner

RCF:mb

October 22, 1940

Mr. Charles M. Ek
1812 Purdum Avenue
Kokomo, Indiana

Dear Mr. Ek:

I am today in receipt of a letter from Dr. Krukoff in which he says that they are getting very interesting results in their studies of enzymes of Solanum spp. He now feels that they would like to look into the fruits of Physalis. If it is convenient for you to look about for fruits either ripe or green of any species of Physalis I would appreciate it if you could send one quarter of a pound or more direct to Dr. K. Folkers, Merck and Company, Rahway, New Jersey, by air express. Dr. Krukoff says to disregard the request if the fruits are difficult to obtain.

I very greatly appreciate your help in the past in securing material for Dr. Krukoff. It has saved me several Saturdays and in return he is sending our herbarium many rare specimens from South America and other foreign regions.

We are looking forward to the time when we can be coming north again.

Sincerely yours,

Ray C. Friesner

RCF:mb

October 22, 1940

Mr. Lloyd H. Shinners
Biology Building
University of Wisconsin
Madison, Wisconsin

Dear Mr. Shinners:

Your package of specimens of Solidago reached me yesterday in excellent condition. I was interested in going over them immediately and I find two specimens about which I would like to write. Your number 2590 labelled S. uniligulata should be be S. gigantea var. leiophylla (Ait.) Fern. The number of ray flowers and the pubescence of the achenes together with the sharp serrations of the leaves would require the latter name. The old name for this variety was S. serotina Ait. It was so called in my key published in 1933.

The other specimens is the one collected by H. C. Green on wooded bluffs of the Wisconsin River, 5 miles northeast of Mazomanie. This specimen is labelled S. hispida. It appears to me as probably a hybrid between S. hispida and latifolia. I feel confident that it is not true S.hispida, the stem is too much angled and not hairy enough and the achenes are too pubescent for S. hispida. Of course, leaves are not the true latifolia leaves, they seem to be more like S. hispida, but still not right for it. In case you have any more material like this one I would very greatly appreciate looking at it and returning it to you. If course, it may be that most of the material collected at this point was real S. hispida, but the specimen sent to me under this name cannot be so called.

I appreciate very much receiving these specimens.

Sincerely yours,

Ray C. Friesner

October 23, 1940

Dr. P. O. Schallert
Winston-Salem, North Carolina

Dear Dr. Schallert:

Your two packages of herbarium specimens were received yesterday. I have not yet had time to look into them but I am sure that there will be numerous specimens which do not duplicate others in our herbarium. I am sending you prepaid express a package containing 257 specimens of vascular plants. The balance necessary to the amount sent by you will be sent as soon as we can get the labels prepared. Nearly all of the specimens in this set are duplicates received by us from others with whom we maintain exchange relations. No doubt a considerable share of the remainder will need to be made up from our own 1940 collection.

Sincerely yours,

Ray C. Friesner

RCF:mb

Kokomo. Ind. Oct. 23 - 1940.
1812 No. Purdum St. -

My Dear Dr. Friesner:-

Rec'd your letter today, Wed. Tomorrow Thurs - I will gather a lot of Physalis subglabrata - Deam's Flora - and send to Dr. Folkers - Each of the Drs. wrote me very appreciative letters!. It gives me much pleasure and satisfaction to do these little things that help - At that they are nothing to what has been done for me - Its an education to do these misc. favors. You learn by doing. P. heterophylla is here, but very scarce. Howard Co. is starred for P. ambigua, but I have not separated the last 2, in 1940. Was out today in S. Kokomo - gardens & waste places & located quite a few patches. Am sure I can get several lbs. - May go over and get a few of the Horse-Nettles - ripe for sure now. - Physalis are in all stages of ripeness. Spotted a lot 2-3 mi N.W. & some 2 3 mi. S.E. - but don't think I'll have to

leave my neighborhood or ½ mile
I thought of this genus and Solanum
nigrum when searching for " Carolinense
As yet, have done little toward separating
the New Co. record species from my
enormous stock. When is the dead-line?
About Nov. 15 - I presume, or Acad. Science
meeting time. - Trip to Deam's Oct. 15.
5 hrs. 9-2 - Very nice day - As usual,
learned a lot.

Was W. of Goldsmith Oct. 6. + Oct. 12.
Oct. 6, found a patch of Aster amethystinus
Went back Oct. 12, to collect more and get
surroundings of patch better. Colony is
4-5-6 feet thru - 2 to 3½° tall. - occupying all
the space - surrounded by A. exiguus in
2 sides + A. novae-angliae near on 2 sides.
There are numerous colonies of A. exiguus on
both sides R.R. also A. novae-angliae. - At
Deam's, saw his specimen from the east -
+ the 2 were very similar. - It is a pure
instance of hybridism. - Color - bracts,
leaves, pubescence - &c. It would make an in-
teresting story. - The 3 colonies of A. multiflorus
(all native) I remember here, - are all very dense -
Those in Tipton Co. were thinner + scattered.

EK 23-8-40

Also got Aster missouriensis - with its purplish lanceolate leaves. - Both trips ~~to~~ worthwhile.

Went thru the Flora and made a list of Howard Co. species starred, - in all about 670. - Also another list not starred ~~but~~ for several reasons - but which I know are in Howard Co. - These were over 130. - Most of there are in Butler herbarium - So the ~~Dest~~ Desert ~~Howard~~ Howard Co has over 800 species (+ varieties) Hope to make the Butler collection almost complete. A few I may never get as Drosera carolinensis - roadside bluff of Wildcat - 1934. - Collected it but it got lost. The C.W.A. vandals destroyed the station same year.

Found no Aster ericoides in Tipton Co. - tho I examined many plants + patches.

Been collecting a lot of Chenopodium - up-to-date - have been unable to do much with Deam's key, this is the poorest part of the Flora. In fact, the only poor part.

The Atriplex genus works OK - Found both " patula ~~+ A~~ var hastata + " var littoralis. - Each

are abundant here. - This is an interesting species.

That Cornfield Polygonum where we ate dinner by the Brick tree was P. lapathifolium. Also that Rudbeckia you asked about - 3-lobed leaves - was ? subtomentose - Big patch ½ mi. E. of Lake Cicott.

Forgot to tell you the R.R. west of Goldsmith on S. side was burned + or mowed + the weeds + all the wide part on N. side was mowed - Nothing until I got W. of where big ditch crosses R.R. - Just W of ditch on N. side, level place 5-6 to 700' W. ~~on N. side~~ was my beautiful Aster amethystinus - worth walking from Road 31 - 2 miles - to see - About Oct. 1. it would be in its most glorious state. -

Burning - burning. - the Bastards - Oh why does Joe Louis waste all his energy pounding - striking at some other populist? - Why do the Big Leagues waste so many strikes? - Why not

Isn't these mowers and burners and use their fists & ball-bats on those that so ignorantly and illiterately destroy our beauty? ~~Do~~ When I first viewed this terrible sight, I was enraged. On such occasions I am a master of both the sacred and profane Languages! I have put these problems up to Isaac Walton League & Soc. no where. Now I ask you what Le Acad. of Science can do & save the Railroads - such as we have - Coos - White & other N. W. Counties.

Dean wants me to write to Dr. Cummins - Purdue - & come thru Kokomo - or get someone else to - tho Lafayette is 4-5-6 mi. to the south. - I want to go to Montreal to the Acad. Meeting - if it is at all possible. The big item was to meet others.

Sorry the season is nearly ended. - I have been out locally almost daily - Only

only the Chenopodium & Atriplex remain. & much of these are ripe. I think that like Deanei & halictrum, the "master key" has yet to be found.

As to my specimens - inevitably some collected out of season, will have to be discarded - But I know - you will make the best possible use of them - as exchanges - students - Closure - &c.

Sometime before real cold weather - soon after Acad. meeting. - maybe you could do the counting in 1 of the two good woods here - I've told you about - or in both - They are not far apart. - both off the road.

My next big job is to separate the Cl record species - new - I hated to get it as long as there was field work to do. I have the last few packages labeled so that it will be easy - But for all the early bunches - it will be a monotonous job. - - - So unsystematic old C.M.C. is.

This is enuf of scribbling for one issue.

EK 23-X-40

I see in papers where Your Pres. is going to support Willkie - Wish I Could vote for either - I think F.D.R. is much the lesser of two Evils. Willkie will turn it over to Big Business and will soon pass into a Hoover Depression. F.D.R. will bring us into a "gradually" - There is little - too little - to choose from. There are no issues. - only the Ins and the Outs.

Best Wishes to You - Potzger - Evans - and All the others -

Very Sincerely Yours.

Chas - Mc - Ek

October 28, 1940

Mr. Charles M. Ek
1812 N. Purdum Avenue
Kokomo, Indiana

Dear Mr. Ek:

Your letter of the 23rd is at hand. I cannot tell you how I appreciate your help in collecting the fruits of Physalis for Doctors Krukoff and Folkers. I am sure that it does not matter much to them at least at present what species you send.

The Academy meetings will be held the 15th and 16th of November at Muncie. I shall be glad to call for you about 7 o'clock Friday morning to take you to the meetings. I shall probably go to Muncie Thursday afternoon for some committee meetings and for a meeting of the executive committee in the evening. I shall stay all night at Muncie but will be glad to drive to Kokomo for you Friday morning. I think you should plan to stay all night Friday so that you could attend the taxonomists meeting on Saturday morning. It will be at this meeting that the new county records will be discussed and plans made for publishing them. I judge your best procedure would be to come with a list of species and the counties for each together with the herbaria in which the species will be deposited. I do not know who will be chosen to edit these so I cannot say just what would be the exact form for presenting your data. I am quite sure that most any form containing the information will be usable this time. I shall see to it that you are made a member of the Academy.

I am glad to know that you found the colonies of Aster amethystinus along the railroad west of Goldsmith. I had not found it there. The last time we were there in autumn the banks were lined with A. exiguus. I am sure that we will be able to use both for exchanges and student work whatever duplicates you may have collected.

Thanks also for the determination of the Rudbeckia collected at our last stop in Starke county. I had been so busy that I had not had a chance to look into it carefully.

It will probably be early in December before we can come north to do quads in the forest with you mentioned. We still have about four Saturday's work.

TELEPHONE SEDGWICK 3-3200

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October 28, 1940

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

Dear Dr. Friesner:

Acknowledgement is made of the receipt of your letter of October 22nd. I am told by Dr. Folkers that they are in receipt of a sample of fruits of Physalis from Mr. Ek, and that they now have ample material of Physalis and Solanum for their work.

I am sending this letter by airmail in hopes that it will reach you before you make an attempt to obtain further supplies of Physalis for us.

I note that your collecting work for the year is over, and so is the case with us as far as the U.S. is concerned. It appears that we were fortunate in obtaining various samples that will occupy my chemical friends for some time to come.

There seems to be one more matter, however, that I would like to discuss with you.

In connection with the "preparedness program", we are cooperating with a certain branch of the U.S. Government in a search for a substitute of quinine in treatment of malaria. Among the active principles that we wish to test are Gratiolin (source - Gratiola officinalis L.), and Syringin (source - the bark of Syringa vulgaris L.). We have already clipped the plants of these two species that we have on the grounds here.

If you are in a position to send me samples (dried!) of Gratiola officinalis (whole plants) and of Syringa vulgaris (bark of branches or of stems), please do so, otherwise disregard the request. The active principles will have to be tested first on canary birds, and then by clinicians on human beings, so that we are trying to obtain as large samples as possible. Naturally, I will leave it up to you as to how you will wish to charge me for the samples in terms of specimens. The samples may be sent by parcel post collect.

Sincerely yours,

B. A. Krukoff

B. A. Krukoff

Bak/Jd
Airmail

October 29, 1940

Dr. B. A. Krukoff
New York Botanical Garden
Bronx Park (Fordham P. O.)
New York, New York

Dear Dr. Krukoff:

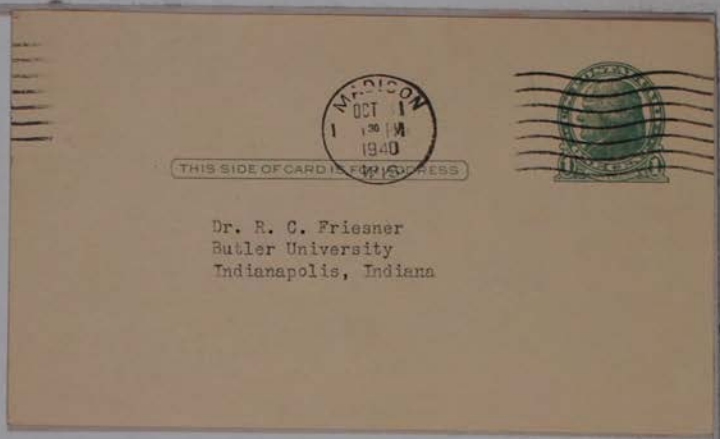
Your letter of the 28th is at hand. I have written Mr. Ek thanking him for sending the material of Physalis and informing him that you do not need any more of this. I have also told him of your need for lilac bark and Gratiola plants. I do not know where we could get any of these about Indianapolis, but I will be on the lookout about some of the abandon dwellings in the southern part of the state. It may be possible that we can spare some material from the Botanical Garden. At least I will do my best to help out.

In so far as exchange species are concerned I shall not worry about making "any exchange charge" for the material we have been sending.

Sincerely yours,

Ray C. Friesner

RCF:mb



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

Biology Building
University of Wisconsin
Madison, Wisconsin
October 30, 1940

Dear Dr. Friesner,

Thank you for your comments on the Solidago specimens. We have one duplicate of the questionable S. hispida from Mazomanie, but it has not yet been mounted. As soon as this is done - within a few days -- it will be forwarded on loan with a few others which you may find worth examining. Might the plant be S. ulmifolia?

Very truly yours,

L.N. Shinners

Pennell for Pres
Sherff - Council.
11-1-40

NOMINATIONS FOR OFFICERS

The American Society of Plant Taxonomists will meet with the Systematic Section of the Botanical Society of America in Columbus, Ohio, Dec. 28 - 30, 1939, in connection with the sessions of the A.A.A.S.

A president is not eligible for re-election for two years after his term is finished. The presidents of the Society are:

H. A. Gleason, 1937
M. L. Fernald, 1938
J. M. Greenman, 1939

Council members are elected for seven years and may be immediately re-elected on the expiration of their terms. The present members, and year of expiration of term of each are:

P. A. Munz	1945
N. C. Fassett	1944
M. L. Fernald	1943
H. A. Gleason	1942
F. W. Pennell	1941
LeRoy Abrams	1940
E. E. Sherff	(Term expires 1939)

Each member of the Society may nominate one member for President and one for the Council.

November 4, 1940

Mr. John S. Wright
Eli Lilly Company
Indianapolis, Indiana

Dear Mr. Wright:

A short time ago, near the conclusion of a conference at which the results of the dendrometer and dendrograph study on beech was discussed, I alluded to plans for next year and you asked me to write you regarding these palns and our needs for carrying them out.

1. I would like to continue the study of growth behavior in the beech for at least two more seasons so that our results may be more dependable. For this we would use the same instruments purchased this year.

2. I would like to carry out the same type of study on white pine in Maine. I am interested in the white pine because no study has heretofore been made on it and, in addition, because it will give us an evergreen for comparison with our deciduous trees. The relation of diametral growth activity to bud activity is usually different in the two types of trees. This study would require three additional dendrometers of the type that measures radial changes.

3. I would like to correlate time of growth actitity (i.e. what months of the year) with the type of correlation we find between annual growth and rainfall in as many tree species as possible over a period of years. For example: annular growth in beech shows a closer correlation to the amount of rainfall during the month of June than for any other period of the year. Our dendrometer study this summer gives a clue as to why this is true. That is, the trees this summer grew primarily from May 15th to July 15th approximately 67 percent of the increase in radius occurring in June.

In a similar manner annular growth in white, red, black, scarlet, and chestnut oaks show closest correlation with rainfall for the three summer months of June to August. In ash there seems to be

Wright
4-XI-40

a closer correlation between annular growth and rainfall for June than for any other period. For this third type of work I should have three additional dendrometers.

For all of these studies I would like to correlate evaporation data with growth and especially with the daily reversible variations in diameter. For this I would need about 30 atmometers.

I have corresponded with Dr. MacDougal regarding the dendrometers and with Dr. Burton E. Livingston regarding the atmometers. Dr. MacDougal gave me an extimate of $100.00 for six dendrometers and Dr. Livingston quoted me a price of $1.75 each for un-standardized atmometers. (We can standardize them ourselves at much less than the difference of 50 cents in price between standardized and unstandardized instruments.)

If you should feel disposed to help out on the above equipment it would help us because it would thereby release more of our regular botanical appropriation for publication of our "Butler University Botanical Studies" manuscripts which have already accumulated beyond our ability to publish them. Whether you are in a position to help us or not, I want you to know that we very greatly appreciate what you have done in the past and the interest and encouragement you have always given us.

Sincerely yours,

Ray C. Friesner

RCF:mb

JOHN S. WRIGHT
4411 Washington Boulevard
Indianapolis, Ind.

November 5, 1940

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

Dear Dr. Friesner:

Answering your letter of November 4, if the election does not go too hard against business I will be glad to give you enough money to continue the work that you contemplate on the basis of your estimate. I hope to see you in the next ten days, in which time further details can be arranged.

Very truly yours,

John S. Wright

M

Eli Lilly

November 8,1940

Miss Elsa Nyholm
Lund Botanical Exchange
Lund, Sweden

Dear Miss Nyholm:

Your letter of September 17 reached me today. I am forwarding to you a package containing approximately 200 specimens, that is, 10 species, 20 specimens each. I am unable to say just what species are in this particular package since I have had the entire lot sealed since October, 1939. I shall be glad if you will inform me as to the arrival of these specimens and I shall be glad to send more as you may direct.

Sincerely yours,

Ray C. Friesner

RCF:mb

from Bicknell

Received 11-11-1940

My dear Dr. Friesner,

A very strenuous October, and a November attack of grippe have delayed my acknowledging the receipt of the bird books and botanical studies. You are kind to have sent me the bulletins, which I shall enjoy. Your fern key has been helpful with Dryopteris spinulosa, intermedia etc.

I have mailed the pressed plants which I offered you, and inclose locality and date list. I am also sending you an account of the last Josselyn Botanical Society meeting, which I wrote for a club and a few friends. As the friends, who live elsewhere, couldn't see the pressed specimens which accompanied the reading of the club paper, I had to put

11-XI-40 from Bicknell

in descriptions. It's rather a hodge-podge, but it may give you an idea of the trip. When you have read it, if you care to take the time for reading, will you please send it to Mrs. Carl Sonntag, 118-42nd St., Sandusky, Ohio.

Mr. and Mrs. Sonntag were in the group to which you talked, last year at my cottage. Mr. Sonntag has been for several months in South America, advising about the location of a cement plant. No doubt, he is botanizing there, as he does everywhere he goes. For though chemistry and geology are his special subjects, he is very good in botany.

I note in your letter that you thought Chamaecyparis didn't grow so far north. Mr. Heistad thinks he found it in a swamp around Appleton. By the way, he speaks enthusiastically of his hours with you last summer.

I found my first Cystopteris

11-XI-40 from Bicknell

fungi in for Waldo Co., this year, on the opposite side of Morton Pond.

Yours sincerely,

Edith Bicknell

Lincolnville Center, Me.

% Richard Moody.

Nov. 6, 1940

P.S. If you find errors in statements made in my paper. I'd be grateful to have my attention called to them.

E. B.

11-8L-40 from Bicknell

Juniperus horizontalis. Moench Coll. by Edith Bicknell, on Moody farm, Lincolnville Center, Me. Aug. 1. 1940

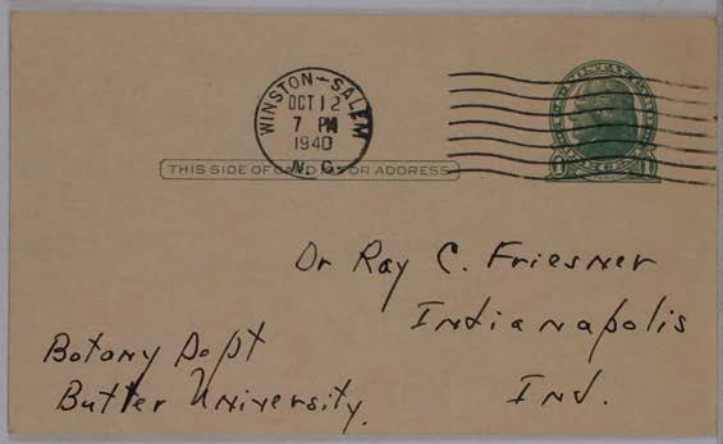
Veronica agrestis L. Coll. by Dr. Anne Perkins at Castine, Me. July 6, 1937

Ranunculus (Halbellardia) delphinifolius Raf. Coll. by Edith Bicknell, in Norton Pond, near L. Center bridge July 9, 1940 Rhodora 38: 71. 1936

Chamaecyparis thyoides (L) BSP. Knight Pond, Northport, Me. Jour. Elisha Mitchell Sci. Soc.

Lathyrus fratensis L. Coll. by Henry Merrill at Frankfort, Me. July 23. 1940

Amelanchier Wiegandii. July 1940 Common around here in Waldo Co., but not recognized until within a very few years. Coll. by Prof. Hyland, U. of Me.



Delavan, Wis., Nov. 13, 1940

Dear Dr. Friesner:

I want to express my deep appreciation of your kindness in sending me copies of Bot. Studies for August. The Fern and Fern Allies Key is particularly valuable.

May I send you a Solidago from Door County, Wis. for your opinion? It does not seem to fit any description I can find.

With personal regards,

Yours very truly,

S C Wadmond

S C Wadmond

Winston-Salem N. C., 11/2-40

Dear Fellow Botanist.- Thank you very much indeed for your recent reprints. I have several hundred duplicates from N.C., S.C. Ga.. and Fla. - mostly made during the Summer months, can you use a pkg of those and send me some of your duplicates? If so I can send mine on at once.

Yours sincerely

P.O. Schallert, MD

1820 S. Main St.

November 14, 1940

Mr. John H. Wright
Eli Lilly Company
Indianapolis, Indiana

Dear Mr. Wright:

Your package containing the part of a dendrometer came yesterday. Please accept my thanks for it. I am not sure just how it can be put into use but a way may occur as future work develops.

Thanking you again, I remain

Yours sincerely,

Ray C. Friesner

RCFkmb

7. Cystocarp

C -

November 14, 1940

Dr. B. A. Krukoff
New York Botanical Garden
Bronx Park (Fordham P. O.)
New York, New York

Dear Dr. Krukoff:

I have located a number of lilac bushes from which some large stems could be spared. I am writing to ask whether you would like the bark sent before or after it is dried. I should think that we might be able to secure 2 or 3 pounds of bark even after it is dried.

Sincerely yours,

Ray C. Friesner

RCF:mb

Rhodophyceae

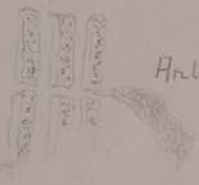
1 Portion of vegetative filament

2 Cross section

3

4 Asexual Phase

5



6 Antheridia

SOUTHERN APPALACHIAN BOTANICAL CLUB
WEST VIRGINIA UNIVERSITY
MORGANTOWN, W. VA.

November 16, 1940

Dr. Ray C. Friesner
Professor of Botany
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

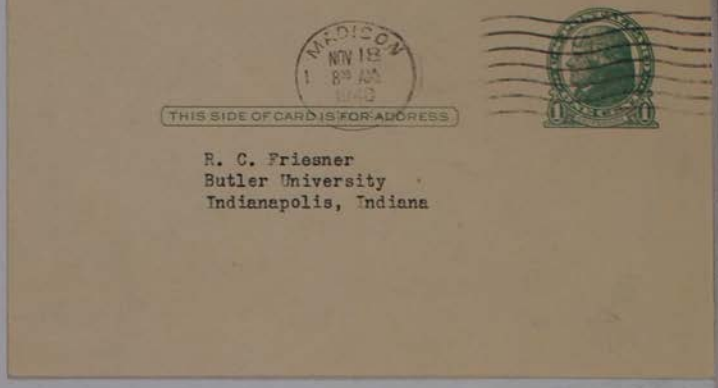
We will be able to use your paper on the genus Solidago in West Virginia soon after the first of the year, probably in the January issue of Castanea if you can have it ready by that time. We could publish it in two parts, as you suggested, or, if it is all ready, we might get it all in one issue, possibly a double number.

Sincerely,

Earl L Core

Earl L. Core
Editor of Castanea

ELC/eab


MADISON
NOV 18
1 8PM
WIS
THIS SIDE OF CARD IS FOR ADDRESS

R. C. Friesner
Butler University
Indianapolis, Indiana

11/17/1940

Dear Dr. Friesner,

The goldenrod specimen you requested was sent yesterday, after some delay due to the temporary absence of the regular herbarium assistant. Included with it are several others which I though you might find of interest. Please return the specimens to Dr. N. C. Fassett, Biology Building, University of Wisconsin, Madison, Wisconsin.

Very truly yours,
Lloyd H. Shinners.

TELEPHONE SEDGWICK 3-3200

THE NEW YORK BOTANICAL GARDEN
BRONX PARK (FORDHAM BRANCH P. O.)
NEW YORK, N. Y.

PRESIDENT
JOSEPH R. SWAN

VICE-PRESIDENTS
HENRY DEF. BALDWIN
JOHN L. MERRILL

TREASURER
ARTHUR M. ANDERSON

DIRECTOR
WILLIAM J. ROBBINS

November 18, 1940

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

Dear Dr. Friesner:

Acknowledgement is made of the receipt of your letter of November 14th. We would prefer to receive the bark of lilac after it is thoroughly air dried. Kindly note that two pounds of dried bark will cover our needs very well.

Sincerely yours,

B. A. Krukoff

Bak/Jd

November 19, 1940

Dr. Lloyd H. Shinners
Department of Botany
University of Wisconsin
Madison, Wisconsin

Dear Dr. Shinners:

The specimens of Solidago came in excellent condition yesterday. I appreciate your kindness in sending them and will do my best to get them back not later than the first week in December. I am sorry to hold them that long but I am pretty well tied up until then.

Sincerely yours,

Ray C. Friesner

RCF:mb

Alternation of Generations

The zygote, formed by the union of the sperm with the egg (2n number of chromosomes) first undergoes reduction in the number of chromosomes occur. In the lower red algae while there is a definite alternation of chromosome numbers from haploid to diploid & back to haploid, there is no corresponding alternation of plants with different functions

Some life histories (Red Algae)

Batrachospermum a genus growing in the fresh waters of north temperate regions & Lemanea, a marine genus, representative of the lower or simple red algae. The genera are characterized by dark-grey plant bodies of delicate branched filaments varying in size from a few to several inches in height.

Nemalion. Plant body is characterized by the haploid Male sex organs are produced in clusters Spermatia correspond in a general way to the sperm of other plants

C-

November 19, 1940

Dr. S. C. Wadmond
Delavan, Wisconsin

Dear Dr. Wadmond:

Your card regarding determination of a specimen of Solidago is at hand. I shall be very glad to have you send me this specimen and I shall try the best I can to determine it. As you know this is a very difficult group and I feel quite humble in approaching a specimen that has troubled others.

Sincerely yours,

Ray C. Friesner

RCF:mb

& finally produce the sperms. The spore is therefore, the first structure produced during the gametophytic phase. The mature spore contains chloroplasts & stored food said to be oil. The spores generally germinate immediately after being shed.

2. Sexual reproduction. The sperms are produced upon the gametophyte either terminally or on side branches. In many genera the male & female plants are distinctly dependent & may be recognized at a glance. The mature archegonium is a short, stalked, club shaped structure & have chloroplasts in the cells of the jacket & wall. The mature archegonium is an elongated structure with a long neck & rather massive venter & stalk. When the archegonium is an elongated structure with a long neck & rather massive venter & stalk. When the archegoniums is fully mature the cover cells are ruptured, the neck cells & the ventral canal cell disintegrate, providing a continuous passage through which the egg in the venter the mature sperms & the egg enter the gametophyte plant.

3. The Sporophytic Phase. The sporophyte of the moss moss is the most highly developed structure in the bryophytes.

November 19, 1940

Mr. C. M. Ek
1812 Purdum Avenue
Kokomo, Indiana

Dear Mr. Ek:

Your letter of Sunday is at hand. I am glad that you enjoyed the Academy meetings, and what I was able to contribute to that end gives me as much satisfaction as it does you. I am deeply appreciative of the fact that you send your specimens to our herbarium. The first new list of plant records will be largely a "5" list. Your list of 147 specimens also contained more than 90 percent non-duplicating records.

I am glad that Dr. Erukoff is appreciative of your efforts in his behalf and while I know that you did not enter into the work with the thought of financial reward, yet I am sure that all that comes your way will be deserved. We will be sure to let you know just when we will be able to come north again.

Sincerely yours,

Ray C. Friesner

RCF:mb

Sex Organs – One outstanding feature of the organs of ferns is the reduction of the sterile tissue such as the walls cell of the antheridium and the neck cells of the archegonia. This structure might be roughly visualized by placing two hollow rings one above the other & then closing the opening at the top with a spherical ball of the proper ball. The enclosed central portion originally consist of a single cell (central cell), primary spermatogenous cell. The number of spermatogenous cells is sometimes larger, regularly so in the antheridia of the lower or more primitive members of the ferns.

November 20, 1940

Dr. Earl L. Core
West Virginia University
Morgantown, West Virginia

Dear Dr. Core:

Your letter regarding the Solidago manuscript is at hand. I do not have the manuscript finished, as a matter of fact, I have not had a chance to think of it since last spring. I could finish the taxonomic part by the first of January but I have not gone over the specimens in any of the other herbaria of the state. I should think however that it would not take long to go over all of the other specimens, so that if you are urgent in needing this for the January issue I will make an effort to have it ready.

Do you wish me to take the initiative in seeking the loan of specimens from other herbaria or would you prefer to take it yourself. In either case the specimens could be sent to me by express collect and I would endeavor to get them back within a month after receiving them.

Sincerely yours,

Ray C. Friesner

RCF:mb

ing called "indusium". This is a thin membranous tissue attached in some way to the leaf surface. In development the sporangium of the common fern arises from a single superficial initial cell of the sporophyll. The initial cell divides, forming a transverse wall parallel to the surface of the sporophyll. The upper cell takes no further part in the development of the sporangium and its identity is eventually lost.

The Gametophyte. Upon germination, the spores produce, at first, a short filament of cells resembling a green alga or a moss, protonema. Further development of these structures varies considerably in the different genera and according to light and temperature conditions. There are fern gametophytes which continue in the filamentous condition even to maturity, but the typical small fern gametophyte is a small flat leaf

CLARK UNIVERSITY
WORCESTER, MASSACHUSETTS

DEPARTMENT OF BIOLOGY

November 20, 1940

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

Dear Professor Friesner:

I regret exceedingly that I have failed to answer your kind letter concerning an exchange of the herbarium specimens.

I am still interested in an exchange, although the great majority of my Labrador material has now been used.

If, however, you are interested in Massachusetts flora, particularly the central area, I shall be very glad to exchange with you, as I am anxious to get Indiana plants.

Thanking you again for your kind letter and trusting that I am not too late to effect an exchange, I remain

Sincerely yours,

David Potter

132.

David Potter
PROFESSOR OF BIOLOGY
CLARK UNIVERSITY

DP:W

JOHN S. WRIGHT
4411 Washington Boulevard
Indianapolis, Ind.

November 22, 1940

Butler University
Botanical Department
Indianapolis, Indiana

Attention Dr. Ray C. Friesner

Dear Dr. Friesner:

In final reply to yours of the 4th, I am sending Butler University herewith my check for $200.00 to enable you to buy six additional dendrometers and thirty atmometers at a total estimated cost of $152.50. The remainder of the fund is to be used at your discretion for defraying incidental additional expenses that may be incurred in connection with your studies of tree growth.

With best wishes, I am

Sincerely yours,

John S. Wright

M

John S. Wright
c/o Eli Lilly & Co

Delavan, Wis., Nov. 22, 1940

Dear Dr. Friesner:

Thank you for your note of the 19th. I am sending the Solidago incognita under separate enclosure. Dr. Ehlers thought it might be referable to S. racemosa var. Gillmani; Mr. Weatherby (Gray Herb.) wrote it was not this var. and he appears to be quite right. Plate 418 opp. pg. 202 Rhodora vol. 38 no. 450 June 1936, illustrating rosette leaf from original var. Gillmani material, shows conclusively that my specimen is <u>NOT</u> that variety.
Mr. Weatherby (in same letter, Feb. 23, 1935) wrote that this number #43634 was best matched at Gray Herb. by Indiana specimens collected by Deam and passing as S. erecta, perhaps incorrectly. I have a single sheet, only, of the latter, from Dist. of Columbia (not a very good one) and it does not seem to fit my sheet very conclusively. Will you check it against your material of S. erecta?

tegules 6–7 mm too long for S. erecta

The Univ. (Wis.) sent me recently a sheet of S. sciaphila Steele coll. in the Driftless Area of Wis. (Grant County), and apparently very rare in the state. I have no literature in which it is mentioned. Can you give me some information about it? Steele U.S. Natl Herb. 13:371. 1911.

Again thank you kindly for taking time out to look over this material. I shall await your opinion with great interest.

With kindly regards to yourself and Mr. Harmon,

Sincerely yours,

S C Wadmond

S C Wadmond

Keep the specimen, of course.

Prob. S. deamii

K

achenes = ca 1.5 mm long = 1.~~25~~ 50 – 1.75 mm — Ray akenes ~~1.25–1.50~~ 1.50–1.75 / Disc " 1.5–1.75 — Strigose pilose

Plant A:
- Rays = 13 light yellow 8
- Disc = 17 12
- (Red = published record of S. Deamii)
- Corolla lobes of Disc flowers ca 1.75 mm 2
- Stigmas 1.2 mm (of disc fl.)
- Anthers 2.0 mm (of disc fl.) 2.7–3
- Invol. Tegules 7 mm ~~long~~ high. 6–9 in 4–5 rows 4 rows with green, slightly dilated costa and white margins, obtuse apex

If new, follow S. deamii for description style

Plant B:
- Achene 1.5–1.75 mm strigose-pilose
- Rays = 11
- Disc = 12 corolla lobes = 1.5 mm Stigmas 0.7 mm Anthers ~~2~~ 1.6 mm
- Invol. 6 mm
- Tegules. 4–5 rows – dilated costate oblong with swollen green tips except innermost, apex obtuse

(Over)

Stem: erect or slightly ascending; glabrous ~~below~~ in lower
8 half below inflorescence, slightly to densely appressed
pubescent in upper half below inflorescence; densely
appressed pubescent in the inflorescence; 6–12 dm high

8 Basal Leaves: spatulate, oblanceolate to obovate, entire or
8 shallowly serrate; glabrous; tapering to long margined petioles
present in basal rosettes at flowering time, those
in sterile shoots similar and often larger; 3-15 cm long
1.0–3.5 " wide

16 Lower Cauline Leaves: oblanceolate to obovate, tapering to
8 long margined petioles; entire or shallowly crenate-
serrate; glabrous except for slightly scabrous margins;
6-15 cm long, 1.5–3.5 cm wide.

24 ~~Upper~~ Median and upper upper Cauline leaves: oblanceolate, elliptical
6 to lanceolate, gradually reduced upward, short petioled to
with cuneate base
sessile, otherwise similar to lower.

30 4 Inflorescence: dense narrow thyrse, 3-5 cm wide, 10–40
cm long.

34 2 Heads: non-secund; on appressed pubescent pedicels 0–8 mm long.

36 2 Involucre: 6–8 mm high, campanulate

38 4 Tegules: in 4-5 rows, oblong with green dilated ovate,
the lower and middle with conspicuously swollen green tips.
apex obtuse.

42 2 Rays: 10–15

44 2 Disc Flowers: 12–18

46 2 Corolla lobes of ~~mature~~ disc flowers: 1.5–1.75 mm long

48 2 Anthers of disc flowers: 1.5–2.0 mm long

50 Pappus ~~bristles~~ ~~Stigmas of disc flowers~~: ~~0.6–1.2~~ 4.0–4.5 mm long

52 2 Achenes: 1.5–1.75 mm long, atrigose ~~pubescent~~ pilose

56 4 Sand hillocks back of bowlder strewn beach, e. of Detroit Harbor,
Washington Island, Door Co. Wisconsin.

November 26, 1940

Mr. John S. Wright
Eli Lilly Company
Indianapolis, Indiana

Dear Mr. Wright:

Please accept my sincere thanks for the check you sent recently. I have turned this over to the University Bursar together with a statement of the purpose for which it was given. Dr. Robinson was greatly pleased and will write you soon. My earnest hope is that the work done as a result of the gift may be worthy of it.

I have dismantled the dendrograph and filled the two holes in the tree with antiseptic grafting wax. The apparatus has left no other noticeable marks on the tree. The two dendrometers are being continued and are still yielding results. The one may be unreliable during snow but I believe the other will not be affected by snow and I shall continue both of them as long as they continue to yield results. It may be that they will be worth continuing throughout the winter. I would be glad to have a complete 52-week record if such is possible.

I hope to have a manuscript ready to publish on the data upto the end of December. I have it wirtten now, so far as it can be and expect to finish it during the Christmas vacation. I hope it will be convenient for you to criticize it before publication.

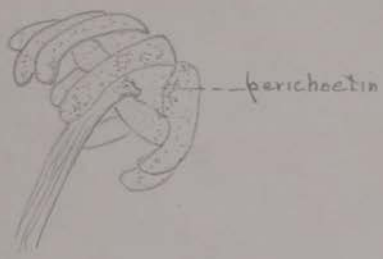
Again, appreciating your interest and aid in this work, I remain,

Sincerely yours,

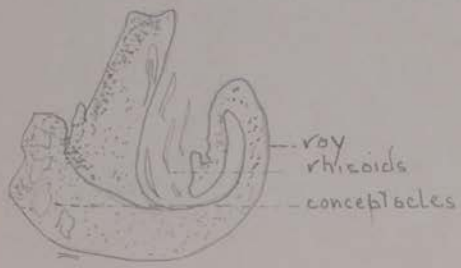
Ray C. Friesner

RCF:mb

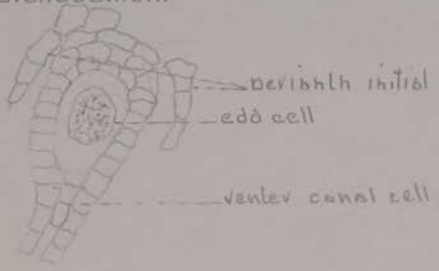
Female disc (Ventral)



Female ray



Single archegonium



November 26, 1940

Dr. David Potter
Clark University
Worchester, Mass.

Dear Dr. Potter:

Your letter of the 20th regarding exchange of herbarium specimens is at hand. I am sending you a package containing 132 specimens mostly from Indiana. There are some specimens from Maine and in case you do not care for these I would be glad to have you discard them and count them out when you send your material. I shall be glad to have Massachusetts plants or from any other part of New England.

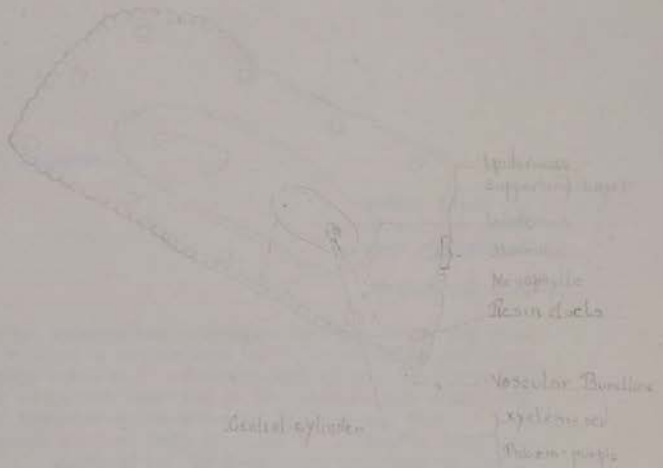
Sincerely yours,

Ray C. Friesner

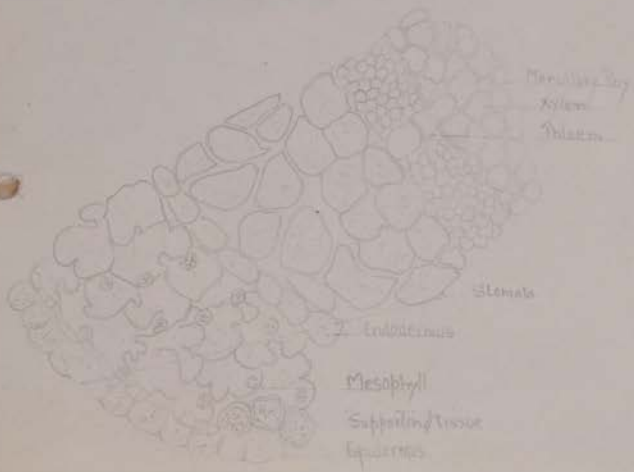
RCF:mb

II

Cross Section



III Single Vascular Bundle



November 27, 1940

Mr. S. C. Wadmond
Delavan, Wisconsin

Dear Mr. Wadmond:

The specimens of Solidago reached me safely on Monday. I have made a complete analysis of the plants and am satisfied that they cannot possibly be either S. racemosa gillmani or S. erecta. The nearest described species is S. deamii (See Rhodora 38:204 and plate 418. 1936). Your specimens differ from S. deamii as follows:

	S. deamii	Your specimens
Stem	4-5 dm. high	6-10 dm. high
Inflorescence	1 dm. long	1-4 dm. long
Rays	8	10-15
Disc flowers	Ca 12	12-18
Corolla lobes of disc flowers	2 mm. long	1.5-1.75 mm.
Anthers	2.7-3 mm. long	1.5-2.0 mm.
Achenes	Immature in orig. desc.	1.5-1.75 mm. long

You will note that your plants are much larger with the corolla lobes and anthers considerably shorter. The only difference of real significance, in my opinion, is the anther length. I am withholding final judgment until I receive one of the co-type specimens from Mr. Deam to whom I wrote yesterday for a loan. If your material proves to be S. deamii you will have made an excellent find in extending the range of that species and I would be glad to publish a brief note to that effect in the next issue of our Botanical Studies if you would care to have me do it. In case the material does not prove to be S. deamii, it will warrant description and naming as a new species. I shall let you know as soon as I have time to compare after the arrival of Mr. Deam's specimen.

CHAS. C. DEAM
BLUFFTON, INDIANA

Nov.27 1940

Dear Friesner: I have your letter on Code for additional plants to Flora. It is all O.K. with me.

I am pleased to inform you that the Solidago Deamii is here and I take pleasure in loaning it you. I have taken the liberty of stuffing the order and I am sending you all of my S. racemosa and var. Gillmanii. You may wish to study them with the S. Deamii which I suggest in the Flora under S. Gillmanii that it seems to me an intergrading form,etc.On sheet of S. Deamii I say part of type. My memory is getting so bad now I fear to say any thing for sure but it runs in my head that I found the plant on the Keiser Blowout and that the plant was double. That is the rhizome had divided and the whole plant was made up of two quite different plants, one from the old rhizome and the other from the offshoot. So while Fernald did not see my plant it is a part of the type. In the Flora I mention the action of aphids on the roots of the species. You will note that but few plants have fully mature achenes and those measured show wide variation in size. Why,etc. In the event you wish to find the species in quantity go to the east side of the Dune State Park where you will find a cement road over to the beach where you can park. Well the Keiser Blowout is just west and just south of where you park you will find this species quite frequent both in sheltered and in exposed places which gives a chance to study pubescence and habit of stooling.

The bag of excelsior in box is only packing and contains nothing for you. Now I have no use for the specimens at all and I wish you to keep them until you can not use them any longer. No hurry to return them Better keep them to Spring, April 10- when we will have returned from Florida. We plan to start about Jan. 15 if I think I can make the grade. I close like Walter Winchell, "with oceans of love" until next Sunday night at the same time. OVER

I regret to read in Indpls Star of the passing of Frank M. Andrews, which reminds me of the epitaph on a monument which read: Where I now am you soon will be"

Received a letter from Dean Coulter this morning. He is about passed on writing. One can not read it but my wife can.

I have no botanical news so I close with very best wishes to you all, I am sincerely yours,

Chas.C.Deam

Bluffton, Indiana.

PS Too icy to go up town today. Since there is no great rush I delay until tomorrow.

From Clements, Ray

Cicero Indiana
Nov. 28th 1940

Box 194

Dr. Friesner:-
Dr. Potzger:-
Department of Botany
Butler University
Indianapolis Indiana

Dear Brethern:- Not knowing just how soon I can get out to talk to you, decided to write you, explaining developements to date.

Also find enclosed "map" which I hope will be useful to you in case you wish to examine the fossil proposition.

Noting the meeting at Ball State, I wrote Prof. Christy regarding the deposit, with the intent that it should be of interest to such as that might do something about it.

Prof Christy is greatly interested in it; so he wrote to each of these four:-

Dr. Marcus Lyon
Mr. Wm. B. Thornberry
W. A. Hiestand and
W. P. Allyn.

To each of these he inclosed a copy of the letter to him from myself

from Clements, Ray
28-XI-40

As yet I have not heard from any of them.

At Ball state, contact was made with Prof Malott of I. U. - he does not believe it possible.

Maybe the four mentioned above think the same way.

The trip to the meeting at Muncie was at Prof Charity suggestion, hoping the item could be gotten into the printed record, and thus increase the interest therein. But it was too late for that.

Been to Crawfordsville and had a very nice visit with Dr. Howell. He immediately became greatly interested. His suggestion is to report to the State Geologist.

Before this is done it would be fine if you could investigate to see if your equipment would be capable of penetrating to the deposit; as the county map shows so bare where the large farm holding is shown on enclosed map; this may be a feat desposit, and if so you may be able to work it, if you should so fit, then if your survey located the desposit and enabled the securing of a sample, then you could give

from Clements, Ray
28-XI-40

so much better report to the State Geologist than I can as it is.

Also, I have again contacted Mr Krier, and each time I learn more very interesting facts about it; thus he further pesters my curiosity.

Surely all will be interested when and if this mess is thrown open.

Thanking you for thus taking your time

Yours Truly

Ray P. Clements

P.S. I was not out to these places: got my information from a friend in Lebanon and the county map; enclosed map drawn from memory but is accurate in regard to the distance and direction.

R.P.C.

THE UNIVERSITY OF GEORGIA
DIVISION OF BIOLOGICAL SCIENCE
ATHENS, GEORGIA

BOTANY

December 2, 1940

Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

Under separate cover we are sending you some specimens of Solidago which I hope you will have time to identify for us. The number is rather small this time. I have been collecting trees and shrubs and have been keeping my eyes in the air instead of on the ground. I hope these will be of some use to you.

Please retain specimens for yourself and return duplicates to us.

Hope to see you at Philadelphia.

Sincerely yours,

Wilbur H. Duncan

Wilbur H. Duncan, Instructor
Department of Botany

WHD:kra

December 8, 1940

Mr. Roy P. Clements
Box 194
Cicero, Indiana

Dear Mr. Clements:

Your letter of November 28 with map to the old lake bed east of Lebanon came yesterday. I am grateful to you for this because it is almost certain to be of distinct value in helping us to find the area. I am not sure just when we will be able to look into this but I hope that it will be before December is past. I will let you know after we have had a chance to look at it.

Sincerely yours,

Ray C. Friesner

RCF:mb

Delavan, Wisconsin, Dec. 5, 1940

Dear Dr. Friesner:

I appreciate your prompt reply of Nov. 27th;

The specimens of S. erecta reached me safely. It is quite evident that my material does not belong to this species. Thanks very much for clarifying this. Yes, I read the description of S. deamii and studied the illustration (Rhodora 38:204 and plate 418. 1936) but it just didn't seem to fit my material altho strongly suggestive of it. It will be most interesting to see how actual material of S. deamii compares with mine. Fernald(38:205 Rhodora. 1936) says that S. deamii is suggestive of S. randii. I have a single sheet of the latter from N. H. but it looks nothing like my material.

I appreciate greatly the copy of your "The Genus Solidago in Northeastern North America." It is proving wonderfully helpful. As a result, I am transferring all my Wisconsin S. missouriensis (and some Indiana specimens taken on our 1938 field trip as well) to S. glaberrima Martens. My Wisconsin S. uliginosa (so determined at Gray Herb. and I am afraid distributed as such here and there) I have transferred to S. uniligulata. If sometime in your wanderings you run upon an honest-to-goodness sheet of S. uliginosa Nutt. I wish you would grab it for me.

S. sciaphila: to the single locality cited, add "Talus slope Mississippi River bluffs at Glenhaven, Grant County, Wisconsin."

Again my very great appreciation and heartfelt thanks for your good help.

Sincerely yours;

S C Wadmond

S C Wadmond

Indianapolis Dec 8. 1940

Professor Jenisons
Butler University
Indianapolis Ind

Dear Mr Jenisons. I am sending to you a list of
Some Botanicals which I desire the Family Names,
May I ask of whom do you purchase your Mounting
Paper I would like to know as My Supply is about
as low as the water Supply is in Southern Ind,
I have a number of Mounted Plants mostly from CP, I
would like to exchange for Mounted or unmounted
Plants that I have not already got, or I would exchange
for Mounting Paper I could let you have 500 or more
You could select those you especialy desire
Awaiting Your favor I remain Yours very truly
Wm Rhoads
1521 north Rural St
Indianapolis Ind

We are not in a position to use any
mounted plants because we cannot unmount
them to poison them: We can use unmounted
Herbarium paper from Lesh.
Will send families as soon as time permits

December 9, 1940

Dr. Wilbur S. Duncan
University of Georgia
Athens, Georgia

Dear Dr. Duncan:

Your package of herbarium specimens arrived safely on Friday of last week. I have three or four other lots of Solidago to be studied and it will therefore be likely to be after the Christmas vacation before I shall be able to send you the determinations. I appreciate the privilege of studying these specimens and hope you will continue to send them in future years.

Sincerely yours,

Ray C. Friesner

RCF:mb

December 9, 1940

Dr. B. A. Krukoff
New York Botanical Garden
Bronx Park (Fordham P.O.)
New York, New York

Dear Dr. Krukoff:

I have sent via parcel post a package containing bark from the lilac bushes to Dr. Folkers at Rahway. The material was secured from bushes on our university campus and in case more should be needed we could readily spare an equal amount.

Sincerely yours,

Ray C. Friesner

RCF:mb

December 9, 1940

Dr. Karl Folkers
Assistant Director of Research
Merck and Company
Rahway, New Jersey

Dear Dr. Folkers:

I mailed to you via parcel post today a package containing bark from lilac bushes growing on the Butler University campus. In case this should not be enough material for your purposes, I shall be glad to send more. This is sent to you in response to a request from Dr. Krukoff.

Sincerely yours,

Ray C. Friesner

RCF:mb

Clements, Ray

Cicero Indiana
Dec. 9th 1940

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

Dear Prof Friesner:- Your letter of last week received and your interest appreciated; but surely the latest development is the most important yet;- Mr. Krier called here during the week-end, but I missed seeing him; but he left word for me that he had received request from the owner of the farm to come and examine the well in question as it is giving trouble, the water is receiving gas or "something" and has become unfit for use.

His expectations are that of trial drillings to avoid the desposit; but he thinks it can not be missed.

In any case, the pipe in use can be pulled up to the deposit and samples can be pumped or dipped, which of course can be subjected to analysis.

I am to see Mr Krier this next week-end and will plan with him,

from Clements, Roy 9-XII-40

if at all possible, to have this work accomplished by Xmas vacation hoping we can arrange to be there together, and any others that may wish so to do.

I will therefore, keep you posted as regards progress with this program and will work to the end of accomplishing complete investigation of the proposition

Mr Kerr, like myself, is deeply concerned in the whole affair and he also desires, that whatever evidence is there, may become available to all that are interested therein.

To me, the fact of this circumstance arising at this time, is something to think about, but of course the thing is on my mind every day.

If fossils are there, as I firmly believe they are, the bones will be in excellent condition if they really are as "green" as Mr Kerr and I believe them to be

So surely a lot of valuable information will be secured from the finding of this deposit.

Thanking you, Yours Truly Clements

December 9, 1940

Miss Elsa Nyholm
Lund Botanical Exchange
Lund, Sweden

Dear Miss Nyholm:

The package of exchange specimens consigned to you have been returned by the United States Post Office, with the information that no packages can be accepted for Sweden. We will store this with our other material for you and will send it as soon as the embargo is lifted.

Sincerely yours,

Ray C. Friesner

RCF:mb

December 10, 1940

Mr. S. C. Wadmond
Delavan, Wisconsin

Dear Mr. Wadmond:

After a careful analysis of Solidago deamii and comparisons with the specimens under your number 45834, I have concluded that your material is S. deamii Fernald. I am basing the decision on three points in which your specimens are nearer S. deamii than S. racemosa gillmani, viz.

	gillmani	deamii	your plant
Inflorescence	Broad open panicle 5-12 cm wide	Contracted compact panicle, 2-4 cm. wide	Contracted compact panicle 3-5 cm wide
Pedicels	(4)8-13 mm long	0-8 mm long	0-8 mm long
Achenes	3-4 mm long sparingly strigose	1.5-2.0 mm long strigose-pilose	1.5-1.75 mm long strigose-pilose

My honest opinion is that S. deamii will not be maintained if a lot of material is studied. I really think it is only a narrow extreme of S. racemosa gillmani.

Sincerely yours,

Ray C. Friesner

RF:mb

December 11, 1940

Mr. William A. Weber
Botany Hall
Ames, Iowa

Dear Mr. Weber:

Your letter regarding herbarium specimens is at hand. I am sorry that we do not have any funds available for the purchase of herbarium specimens. I hope you will be successful in securing the necessary funds to complete your college course.

Sincerely yours,

Ray C. Friesner

December 11, 1940

Mr. William Rhoades
1521 . Royal Street
Indianapolis, Indiana

Dear Mr. Rhoades:

Your letter re arding exchange of plant materials ca e yesterday. We would not be able to use any mounted specimens because we cannot remove them satisfactorily for poisoning. We can use unmounted material and will e glad to send you whatever duplicates we have available as soo as we set the labels prepared. It will be some little time before we have all the labels for last sum er's aterial completed.

We purchase our herbarium paper through the C.P.Lesh paper company here in Indianapolis, but they have to r-order it for us so that I do not know the original source.

We will send you the family names for the species listed within a few days, just as soon as we can find the time to look them up.

Sincerely yours,

Ray C. Friesner

RCF:mb

- 2 -

December 17, 1940

Dr. L. H. Shinners
Biology Building
University of Wisconsin
Madison, Wisconsin

Dear Dr. Shinners:

I have pondered over the specimen collected by Mr. H. C. Greene from wooded bluffs along the Wisconsin river 8 miles northeast of Barneveld for some little time. I have tried comparison with every species I can think of even remotely resembling it and have come to the conclusion that your suggestion of October 30, viz. that it might be *S. ulmifolia* is probably the nearest to the correct answer. I believe it is an aberrant form of that species. You will note that the main axis at the base of the inflorescence has been injured and this may be related to the irregularity in the inflorescence. Normally the heads are definitely secund. I have a specimen from Greene Co., Indiana which is a very close match for your specimen and I am quite certain that it is *S. ulmifolia*.

You could not run this specimen to *S. ulmifolia* through any key but I believe that it is too aberrant to expect it to key out with ordinary keys.

I appreciate the privilege of working with it is material and also the privilege of keeping the duplicate which you sent earlier. I am returning the material you sent on loan.

Sincerely yours,

May C. Friesner

MCF:mb

December 11, 1940

Dr. Earl L. Core
West Virginia University
Morgantown, West Virginia

Dear Dr. Core:

In preparing the detailed descriptions of the species of Solidago of West Virginia I find that I failed to get the following measurements of S. harrisii:

1. Length of corolla lobes of the disc flowers
2. Length of anthers of disc flowers
3. Length of pappus bristles

I wonder if you could spare a single head from one of your specimens of this species. Incidentally, this is the only species in your Solidago flora which I do not have in our herbarium and if you should get a chance in the future to collect a specimen for me, I would appreciate it greatly.

Sincerely yours,

Ray C. Friesner

RCF:b

TELEPHONE SEDGWICK 3-3200

THE NEW YORK BOTANICAL GARDEN
BRONX PARK (FORDHAM BRANCH P. O.)
NEW YORK, N. Y.

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WILLIAM J. ROBBINS

December 11, 1940

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

Dear Dr. Friesner:

Acknowledgement is made of the receipt of your letter of December ninth.

Many thanks for the sample of bark of Syringa vulgaris which you so kindly sent to Dr. Folkers at Rahway. In a week or so I plan to attend our regular meeting on insecticidal plants upthere and I shall make it a point to ask them whether or not they need additional material of lilac.

Sincerely yours,

B. A. Krukoff

Bak/Jd

Delavan, Wisconsin, Dec. 12, 1940

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

Dear Dr. Friesner:

Thank you very much for yours 10th. I quite agree with you in your final conclusion in the matter that my material is nearer S. deamii than anything else, even though it may not fit that species in all particulars. I am sending you separately a sheet of #40034 which you may think more suggestive of deamii than my #43634. #40034 was growing on the wind-swept stony beaches under most discouraging conditions: tough going, as compared with #43634 which occupied a more sheltered position farther up the slope, and reflected it in its more luxuriant growth. I am including a sheet #43834 of S. ohioensis taken from the same spot as #40034; its starved, depauperate look as compared with the ohioensis you and I generally know, shows just what a hard battle it was having to make the grade. Thought you might like this additional sheet #40034 to file with #43634.

Fernald evidently did not connect my #43634 with his deamii. I sent the Gray Herb. material in the fall of 1934; Weatherby wrote Feb. 23, 1935, that Fernald did not know #43634 altho he thought he had himself collected something like it in northern Michigan. When Fernald later published deamii in 1936, he probably did not have my #43634 before him or he would have at least detected some resemblance.

I am taking the very great liberty of including 4 sheets in the Euthamia section. If you will kindly give me your identifications on them I will esteem it a very great favor, and it will help me a lot in getting straightened out on them.

Keep all the specimens, of course.

I notice Deam says in his Flora "This species (S. racemosa gillmani) is highly variable in all parts and it is possible that the preceding species (S. deamii) should be included in it." With which conclusion, you and I are quite in agreement, I believe!

With very great thanks,

Sincerely yours,

S C Wadmond

S C Wadmond

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

Dec. 12, 1940

Ray C. Friesner, Butler Univ.

Dear Sir:- I have found much of interest to me in the Botanical Studies from Vol. IV, which you kindly sent me.

I had wondered about the cause of asymmetrical growth, and of course have often noticed the greater width of the rings in spurs in the outer part of trees, especially trees like elm which produce large spurs or prop roots. (over)

your finding the four black oaks to be of the same age interested me. In some instances I have found stumps of White oaks not very far apart, about three times the age of your black oaks, but apparently of the same age.

Yours truly,
E. L. Moseley.

December 13, 1940

Dr. Donovan S. Correll
Botanical Museum
Harvard University
Cambridge, Massachusetts

Dear Dr. Correll:

I am glad to send you under separate cover the back numbers of Volume 4 of our Botanical Studies. I have placed your name on our mailing list to receive these as they may appear.

I shall be glad to receive the specimens of Solidago and will do what I can toward determining them.

Sincerely yours,

Ray C. Friesner

RCF:mb

December 13, 1940

Dr. Wilbur S. Duncan
Department of Botany
University of Georgia
Athens, Georgia

Dear Dr. Duncan:

I finished the golden-rods you sent today and have mailed them back to you. In each case where you had more than one specimen, I kept one. It has been a real pleasure to have the privilege of working over those specimens and I appreciate your kindness in sending them. I think it would be just as well in the future if you would merely send me a sample specimen from each number and keep the rest. I could refer by numbers.

I have discovered that you have not been receiving Our Botanical Studies for your personal collection since you left Bloomington. I have, therefore, mailed you all numbers of Volume 4 and will be glad to send any additional numbers you may be lacking in case you care for them and in case the supply is not exhausted.

I am sorry that I shall not be able to see you at the Philadelphia meetings. I have not been up to par this fall and am going to try to get a good rest during the vacation.

Sincerely yours,

Ray C. Friesner

RCF:mb

Foster, Warren Co., Ohio

Dec. 15, 1940.

Dr. Ray C. Friesner,
Botany Dept.,
Butler University,
Indianapolis, Ind.

Dear Dr. Friesner,

Last summer during my stay on Mount Shasta I collected a number of species of flowering plants. Of these I have a set of 69 duplicates with which I should like to initiate an exchange with you if you would like to get material from this area. Most of these species are listed in my Flora of Mount Shasta in a recent Am.Mid.Nat.

Very truly yours,

Wm. Bridge Cooke

Wm. Bridge Cooke

140

TELEPHONE SEDGWICK 3-3200

THE NEW YORK BOTANICAL GARDEN
BRONX PARK (FORDHAM BRANCH P. O.)
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ARTHUR M. ANDERSON

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WILLIAM J. ROBBINS

December 16, 1940

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

Dear Dr. Friesner:

Under a separate cover I am sending you fruits of Guarea Bangii Rusby (Krukoff 11105). In cleaning up one of my storage places we discovered that we had neglected to distribute fruits together with sets of botanical specimens.

Sincerely yours,

B. A. Krukoff

Bak/Jd

THE UNIVERSITY OF GEORGIA
DIVISION OF BIOLOGICAL SCIENCE
ATHENS, GEORGIA

BOTANY

December 17, 1940

Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

I was pleased to receive the golden-rods which you identified for me. I was surprised to get them so soon and appreciate your prompt attention. I also appreciate having your Botanical Studies which I received under separate cover. I am much interested in your work, particularly since so much of it is in my own fields of taxonomy and ecology.

I am sorry not to be able to see you at Philadelphia but in as much as I will be at Bloomington for a few days, I may be able to make a trip up to Indianapolis. In the event I am able to do this, will attempt to contact you.

Sincerely yours,

Wilbur H Duncan

Wilbur H. Duncan, Instructor
Department of Botany

WHD:kra

West Virginia University
MORGANTOWN, W. VA.
COLLEGE OF ARTS AND SCIENCES

DEPARTMENT OF BOTANY AND ZOOLOGY

December 18, 1940

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

Dear Dr. Friesner:

I am sending you herewith a packet containing a few fragments which had broken off a sheet of Solidago Harrisii which you may retain for your collection. I hope you may be able to obtain from them the measurements you need, although they are not very good. I shall send you a better specimen as soon as I can get one.

Sincerely,

Earl L. Core

Earl L. Core
Curator of the Herbarium

ELC/eab

December 18, 1940

Dr. William Bridge Cooke
Foster
Warren County, Ohio

Dear Dr. Cooke:

I have your letter regarding exchange of herbarium specimens from the Mt. Shasta region. I shall be very glad to enter into such an exchange relation with you. To that end I am sending you a package containing 140 specimens of plants from Indiana and Maine. I shall be glad to consider my 140 specimens an even trade for your 89, in case that is agreeable to you.

Sincerely yours,

Ray C. Friesner

RCF:mb

December 18, 1940

Mr. S. C. Redmond
Delavan, Wisconsin

Dear Mr. Redmond:

I appreciate very much the extra specimens you have sent. Things have so "snowed-up" on me this week that I have not found time to acknowledge them sooner. Since the vacation is almost at hand I may not find time to report on them determinations until sometime in January. I hope you will not consider this delay to be an indication of any lack of enthusiasm for the older rocks. Sometimes the routine of daily duties almost gets me down.

Wishing you a pleasant Christmas and a profitable New Year, I remain

Sincerely yours,

Ray C. Friemer

RCF:mb

December 19, 1940

Mr. S. C. Wadmond
Delavan, Wisconsin

Dear Mr. Wadmond:

My work of which I spoke in my letter of yesterday flattened out like the distant hills do as one gets nearer and consequently I have found the time to go over the specimens of Solidago you sent a few days ago. There certainly can be no question about the specimens of S. deamii and I am very grateful to you for them. I am pleased to get the specimen of S. ohioensis especially because of the extreme it illustrates.

I report on the specimens of the Euthamia group as follows:

41938 Solidago remota (Greene) Bush.
Specimen is typical except that leaves are usually ascending whereas these are spreading and reflexed. I have specimens collecollected from the same place as yours and some show the espending character while others do not. Leaf margins are usually more noticeably scabrous than these.

21628 Solidago graminifolia var. nuttallii (Greene) Fern.

24253 S. g. var. nuttallii

14903 S. graminifolia (L.) Salisb.
This specimen has a slight leaning toward the var. nuttallii, but the pedicels are so little hirtellous and the leaves so nearly glabrous except for lower side of veins and the scabrous margins that I would put it with the species.

I appreciate very greatly the privilege of seeing and keeping these specimens.

Sincerely yours,

Ray C. Friesner

CLARK UNIVERSITY
WORCESTER, MASSACHUSETTS

DEPARTMENT OF BIOLOGY

December 23, 1940

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

Dear Dr. Friesner:

Pardon my delay in acknowledging the receipt of the package of 132 specimens which you recently sent to me.

I was very glad to receive the same, and find they do not duplicate my material.

I am preparing an exchange set for you and hope to mail them after the first of the year.

I plan now to be in Philadelphia for the science meetings and may possibly see you there. Thank you again and accept my best wishes for the coming new year.

Sincerely yours,

David Potter

DAVID POTTER
PROFESSOR OF BIOLOGY
CLARK UNIVERSITY

DP:W

Delavan, Wisconsin, Dec. 24, 1940

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

Dear Dr. Friesner,

One begins to realize what a load our postal system is carrying at this time when it is noticed that your letter postmarked the 19th did not reach me until late yesterday afternoon, the 23rd!

Thank you very much for the identifications. I was pleased to discover that my interpretation of the Euthamia subsection agreed pretty closely with your determinations, which gave me much encouragement.

Sometime - on your Maine vacations or otherwise - if you should run upon a perfectly good specimen of Solidago uliginosa, I wish you would lay it by for me. I am well convinced that not a single sheet in my herb. so labeled, is correctly allocated. Is there not something in Wisconsin that I can get for you this coming season, in Solidagos or otherwise?

With my most cordial wishes for a happy and profitable New Year and deep appreciation of your helpfulness, I am

Sincerely yours,

S C Wadmond

S C Wadmond

MERCK & CO. Inc.
RAHWAY, N.J.

RESEARCH LABORATORY

December 26, 1940

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

Dear Professor Friesner:

I wish to acknowledge the sample of bark from lilac bushes which you sent to us. Your cooperation in sending us this material is greatly appreciated.

Very truly yours,

Karl Folkers

KF/NL

Karl Folkers

С. С. С. Р.

УКРАЇНСЬКЕ ТОВАРИСТВО КУЛЬТУРНОГО ЗВ'ЯЗКУ З ЗАКОРДОНОМ

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Тел. 3-98-10

Botany Department,
Butler University
Indianopolis, Indiana
U S A

30/VII-40.

Gentlemen,

Appreciating very much our exchange relations we have been sending you regularly our publications, to our great regret we have not received any of yours for a considerable time.

Kindly let us know wheter you consider advisable to continue the exchange.

Yours very truly

Chief, Book Exchange Department

/Loevenberg/

CHARLESTON MTS. FLORA
CLARK CO., NEVADA
Distributed by I. W. Clokey

Thalictrum Fendleri Engelm.

Clark Canyon. Damp, gravelly soil by stream. Yellow pine belt. Alt. 2600 m. July 12, 1936.

Coll.: I. W. Clokey (7087)

Plants of Mexico

For sale, 10¢ each Herbarium sheet and postage.

Plant names followed by S are from Vera Cruz-Mexico City and South; N Tropic of Cancer and North; C Central Mexico.

Pteridophyta.

Adiantum concinnum, H. & B. S
  philippense, Burm. S.
  Poiretii, Wiksta. C.
  tenerum, Sw. C.
  tricholepis, Fee C.
Alsophila decrenata, Four. S.
Anemia adiantifolia, Sw. C.
Bommeria Ehrenbergian, Undw. C.
Cheilanthes angustifolia, H.B.K. C.
  leucopoda, Link. C.
  microphylla Sw. C.
  notholaenoides, Maxon. C.
  pyramidalis, Fee. S.
Cheilopleeton rigidum, Fee. C.
Dennstaedtia rubiginosa, Mor. S.
Diplazium striata, Presl. S
Dryopteri equestris, Chr. S
  Feei, Chr. C.
  nigrovenia, Cer. S.
  panula, v. chaerophylloides, Baker. S.
  serrulata, Chr. S.
Elaphoglossum araneosum, Chr. C
Llavea cordifolia, Lag. N. & C.
Lygodium venustum, Sw. C.
Marsilea mexicana, A. Br. C.
Notholaena Aschenborniana, Kl. C
  bonariensis, Chr. S.
  candida Hook. N. & S.
  nivea, Desv. S.
  sinuata, Kaulf. N. & C.
Pellaea formosa, Maxon. S.
  cordata, Sm. S.
  Seemanni, Hook. C.
Phanerophlebia remotispora, Fourn. S. C.
Pityrogramma calomelanos, Link.
Polypodium macrenate, Sm. S.
  Martensii, Mett. C.
  polylepis, Roem. S.
  thyssanolepis, A. Br. C.
Pteridium aquilinum, v. Feei, Maxon. C.
  caudatum, Maxon. C.
Pteris grandifolia, L. C.
  longifolia, L. C.
Tectaria heracleifolia, Undw. C.

Spermatophyta.

Acacia pennatula, Benth. C.
Acalypha hederacea, Torr. N.
  oligodonta, Muell. C.
Aegopogon cenchroides, H & B. S.
Allionia corymbosum, Ktz. C.
Alnus jorullensis, H.B.K. C.
Andropogon bicornus, L. S.
  glomeratus, B.S.P. C.
  saccharoides, Sw. C.
Anneslia papillosa, B. & R. S.
Anoda cristata, Schl. C. C.
Aphanosteplius ramosissimus, DC.
Aplopappus venetus, Blake. C.
Arctostaphylos polifolia, HBK. S
Aristida glauca, Walp. N.
Asclepias curassavica, L. C.
  linaria, Cav. C.
Aster exilis, Ell. C.
Baccharis glutinosa, Pers. N.
Bahia Schaffneri, Wats. C.
Bauhinia divaricata, L. C.
Begonia franconis, Liebm. C.
  gracilis, H.B.K. C.
Beloti mexicana, Schum. S.
Boerhaavia caribaea, Jacq. C.
  erecta, L. C.
Bouvardia ternifolia, Schl. N.
Brongniartia Benthamiana, Hmsl. C.
  foliolosa, Benth. C.
Buddleia scordioides, H B.K. N.
Buettneria aculeata, L. C.
Cassia Skinneri, Benth. S
Castilleja canescens, Benth. C.
  glandulosa, Greenm. C.
Celtis iguanaea, Sarg. S.
Chloris ciliata, Sw. C.
Clematis Drummondii, T. & G. N.
Coccoloba floribunda, Lindau. S.
Commelina elegans, H B.K. N.
Corchorus hirtus, L. C.
Cordia Boissieri, DC. C.
  ferruginea, Roem. & Schult. S
  Pringlei, Robinson. N.
Cratuera tapia, L. S.
Croton fragilis, H. B. K. S.
Cunila lythrifolia, Benth. C.
Cuphea Gaumeri, Koehne. S.
  Wrightii, Gray. N.
Cupressus Benthamii, Endl. S.
Cuscuta jalapensis, Schl. C.
Cyathula achyranthoides, Moq. S
Cyperus asperrimus, Liebm. S.
  Buckleyi, Britt. S.
  compressus, L. S.
  diffusus, Vahl. S.
  esculentus, L. S.
  luzulea, Retz. S.
  melanostachyus, H.B.K. S.
  ochraceus, Vahl. N.
  seslerioides, Kunth. S.
  uncinatus, Poir. S.
Dactyloctenium aegyptium, Richt S.
Dalea domingensis, DC. S.
Dodonaea viscosa, L. S.
Dyssodia setifolia, Lag. C.
Echinochloa crusgalli zelayensis, Hitchc. S.
Eleocharis geniculata, R. Br. C.
Eragrostis intermedia, Hitchc. C
  lugens, Nees. N.
  Swalleni, Hitchc. C.
Erigeron pubescens, H.B.K. C.
  scaposus, DC. S.
Eriochloa puncata, Hamil. C.
Eryngium carlinae, Delar. S.
Eupatorium albicaule, Sch.Bip. C
  odoratum, L. S.
Euphorbia ariensis, H.B.K. S.
  hirta, L. C. & S.
Evolvulus alsinoides, L. S.
Eysenhardtia polystachya, Sarg. C
Ficus cotinifolia, H.B.K. S.
Fimbristylis spathacea, Roth. S.
Floristina latifolia, Rydb. S.
Froelichia interrupta, Moq. S.
Galphimia glauca, Cav. C.
Gnaphalium chilense, Spreng. N.
  purpureum, L. N. & C.
  semiamplexicaule, DC. C.
  spicatum, L. C.
Grindelia tenella, Styermark. C.
Gronovia scandens, L. S.
Guazuma ulmifolia, Lam. C. & S.
Hedeoma Drummondii, Benth. C.
Hedychium coronarium, Roxb. S.
Helenium amphibolum, Gray. N.
Heliotropium fruticosum, L. S.
  Greggii, Torr. N.
  parviflorum, L. C.
Heteranthera limosa, Willd. C.
Heterocentron macrostachyum, Naud. S.
Hyptis laniflora, Benth. N.
Iresine celosia, L. S.
  Hartmannii, Uline. N.
  Schaffneri, Wats. C.
Juniperus flaccida, Schlecht. C.
Karwinskia mollis, Schlecht. C.
Lamoureuxia multifida, H B.K. C
Lantana involucrata, L. S.
Lasiacis Sloanei, Hitchc. C.
  sorghaoides H. & C. S.
Lopezhinia spicata, Willd. C.
Lepidium densiflorum, Schrad. C.
Leptochloa dubia, Nees. S
  panicoides, Hitchc. S
Loperis Galeottiana, Hemsl. C.
Lupinus exaltilus Rose. S.
Lycium brevipes, Benth. N.
Lycurus phleoides, H. B. K. N.
Mascagnia serpentonalis, Juss C
Melampodium divaricatum, DC. S
Melochia pyramidata, L. C. & S.
  tomentosa, L. S.
Mentha rotundifolia, Huds. N.
Mimosa biuncifera, Benth. N.
  eurycarpa, Rob. S.
  Grahami, Gray. N.
  hemiendyta, Rose. & Rob. S.
  lacerata, Rose. C.
Muhlenbergia quitensis, Hitchc N
Muntingia calabura, L. C. & S.
Nama sericeum, Willd. C.
Oxalis ytcatensis, Standl. S.
Panicum fasciculatum, Sw. C.
  laxum, Sw. S.
  maximum Jacq. S.
  trichanthum, Nees. C.
  trichoides, Sw. S.
Parietaria microphylla, Liebm. C.
Parsonsia Gaumeri, Standl. S.
Paspalum lividum, Trin. C.
  paniculatum L. S.
  plicatulum, Michx. S.
  virgatum, L. S.
Passiflora foetida nicaraguensis, Killip. C.
Pennisetum nervosum, Trin. C.
Penstemon campanulatus, Willd. C.
  Hartwegi, Benth. C.
  perfoliatus, Brongn. C.
Peperomia blanda, H. B. K. C.
Phaseolus heterophyllus, H.&B. S
Phyllanthus lathyroides, H.B.K. S.
Pierrmeria a dicola, Tul. C.
Pilea acuminata, Liebm. C.
Pinus leiophylla, Schl. & Chm. C.
Piper misantlense, C. DC. S.
Plantago floccosa, Dcne. C.
Poliomintha marifolia, Gray. C.
Potomageton americanus, C&S. C.
Quercus crassifolia, H. & B. S.
  durangensis, Trel. N.
  mollis, Mart. & Gal. C.
Rhus pachyrrhachis, Hemsl. C.
Ruellia malacosperma, Greenm. C.
  spectabilis, Britt. C.
Salvia amarissima, Ort. C.
  lasiantha, Benth. C.
  mexicana, L. C.
Sanvitalia ocymoides, DC. N.
  procumbens, Lam. C.
Sclerocarpus divaricatus, B&H. S.
  frutescens Brandeg. C.
Scoparia dulcis, L. S.

Mark species wanted and write for a list of 150 different species.

Geo. L. Fisher,
611 West Pierce Ave.,
Houston, Texas, U. S. A.

"What I Think About Eugenics"

Henry H. Goddard, Psychologist,
Ohio State University.

"No one who looks about and sees the mass of incompetents living in poverty, disease, filth, and squalor, and who appreciates the fact that most of this is due to an inherited incapacity can fail to recognize that eugenics is the fundamental problem of the human race today. Many see this but have no courage to attack the problem, because it seems hopeless. All the more honor to those who are attacking it."

Sir Horace Plunkett,
Plunkett House, Dublin.

"I fully admit that there is no more fundamental contribution to our civilization than that which the American Eugenics Society is so influentially and ably promoting."

Dr. R. J. Sprague,
Dean, Rollins College.

"Eugenics is the only promising program in sight for eliminating the weak chromosomes and combining the strong ones for the development of mankind.

"The comprehension and reasonable adoption of it by the masses of the people will lead to improvement of human qualities and the increase of human happiness in a natural and permanent way."

Dr. Walter D. Scott,
President of Northwestern University.

"In order that human sympathy may promote human welfare it must be directed by an increasing consideration for the science of eugenics."

Chester Harvey Rowell, editor,
Berkeley, California.

"The only asset of mankind is man. If we are to continue to breed men worse, there is no hope of making humanity better."

Dr. Carl E. Seashore, Dean,
Graduate College, State University of Iowa.

"It is my opinion that eugenics as a subject is being absorbed by the various biological sciences. Much of the impetus for this came from the Eugenics Society. The logical sequence to eugenics is euthenics and if we keep these two concepts alive in the minds of scientific and social workers, euthenics will permeate the social sciences as eugenics now permeates the genetic sciences."

Dr. A. Franklin Shull,
University of Michigan.

"A eugenics program based on sound biological principles can be made of vital concern to all humanity."

Dr. George E. Snavely,
President of Birmingham-Southern College.

"The study of eugenics opens up greater possibilities for the development and improvement of the human race."

Rev. George Stewart,
New York City.

"All modern methods for the conservation and protection of human life are defeating themselves unless through eugenics the human race can shut off the increasing stream of the unfit and the incompetent."

Bishop Walter T. Sumner, Episcopalian Church,
Portland, Oregon.

"Science, with its marvelous contributions to our sum total of knowledge, has yet to meet the challenge to give us what the world needs more than all other facts combined, how we can improve our most precious asset—human life. Why will not scientists, in their commendable zeal for discovery, turn their faces toward the study of how we can insure to the world that a larger percentage of humankind shall be well born, with a good fighting chance for physical and moral supremacy so far as discoverable facts and safeguards will enable us? No problem is more worthy of our time and attention."

Prof. E. M. East, Geneticist,
Bussey Institution, Harvard University.

"The increase and the diffusion of knowledge concerning the role of heredity in determining human characteristics are among the most important duties of scientific men. Sociology cannot progress without the genetic point of view. It seems a sad commentary on humanity that genetic discoveries should be used solely for the improvement of domestic animals and cultivated plants instead of for the improvement of the human race."

Prof. L. M. Terman,
Stanford University.

"It is more important for man to acquire control over his biological evolution than to capture the energy of the atom,—and it will probably be far easier. The ordinary social and political issues which engross mankind are of trivial importance in comparison with the issues which relate to eugenics."

Mr. A. E. Wiggam, Author,
New York City.

"I don't believe that any civilization can survive unless it provides for and encourages the birth of three or four children per family among those stocks that are above the average in intelligence, health, and character. This in a nutshell is the program of positive eugenics and without a eugenical policy as big and insistent as its social, economic and political policies no civilization can permanently endure."

Dr. George B. Cutten,
President of Colgate University.

"Personally I am very much interested in the subject of eugenics, because I believe it is the most important subject we have before us at the present time. All our other subjects must inevitably depend upon it for we cannot advance unless we have the right kind of stock to advance them."

Dr. W. E. Castle,
Harvard University.

"Eugenics is, like freedom, an ideal which in the abstract everyone must applaud, but which in the concrete is difficult of realization except in a qualified form. Just as political freedom, where it has been most fully realized, has been attained by a long series of struggles and experiments, most of them failures, so eugenics, if in a measure it is to succeed, is likely to do so only by the slow method of trial and error.

"Few are those who will say that freedom, because difficult of attainment, should not be striven after; and racial improvement, though not at once or fully to be realized, is unendingly to be sought. As eternal vigilance is the price of liberty, so eugenic measures in every generation will be the price of improvement in the next."

Dr. Francis Clark Wood,
University Hospital, Philadelphia, Pa.

"From a medical point of view, eugenics is becoming more and more of a necessity. The bringing into the world of feeble-minded children who should never have been born, and the subsequent treatment of them throughout their useless, and in many cases harmful lives, is one of the biggest and most unpleasant burdens we have to carry."

Prof. Francis B. Sumner,
University of California.

"That the regulation of the quantity and quality of our future population is mankind's greatest problem in applied science is a proposition too nearly self-evident to demand serious discussion. Whatever we may think of their programs of action or of the probability of their ultimate success, the eugenics and birth control organizations are certainly grappling with the most fundamental issues which civilization faces."

Dr. Friesner,

At the time Mr. Esterline, Chairman of the Speakers Committee for the Indiana Nurserymens' Assn., spoke to me about addressing the State meeting, inquiring about my fee, I informed him that there would be no charge, and if he at any time had any plants which he cared to give to Butler University Botanical I would be much pleased. He seemed to appreciate my attitude in the matter and assured me that he would donate some plants to the Botanical Garden, and suggested that I send him a want list. This was done some time ago.

I now wish to inform you that nine plants of much value were delivered to the Botanical Garden last Saturday. These made a valuable contribution to the Garden for of course we did not have on hand a specimen of any of these.

Other nurseries have promised to donate plants and these will be secured as soon as I can make arrangements.

I would suggest that a letter of appreciation be sent to Mr. M. B. Esterline, General Manager, Eagle Creek Nursery Co., Inc., New Agusta, Indiana.

Sincerely,

Scott McCoy

OFFICIAL BOARD

The Elders

1940 Feb., May, Aug., Nov.	1941 Mch., June, Sept., Dec	1942 Jan., Apl., July, Oct.
R. V. Warren	C. C. Kerlin	W. H. Miller
Fred Meinzer	J. C. Wright	H. C. Balcom
J. Paul Jones	C. E. Denny	A. C. Hostetler

The Deacons

1940	1941	1942
Riley Purvis	Clyde Mays	Chester Imbler
Harry Kern	D. L. Crume	L. T. Boyd
H. C. Burrell	John Piercy	Omer Hormel
Earl Malcomb	E. R. Clarke	Harley Altom
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The Deaconesses

Mrs. Alice Garritson	Mrs. Mary Wright	Mrs. Clara Chaffin
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Organizations

President of The Woman's Missionary Society ..... Mrs. L. T. Boyd
President of The Guild ..... Miss Anna Ward
Supt. of Church School ..... Riley Purvis
President of Woman's Council ..... Mrs. Kent Beecher
President of The Whatsoever Club ..... Mrs. C. E. Denny
Scoutmaster ..... Kent Beecher
Custodian ..... Harley Altom

Trustees

Dr. E. R. Clarke — L. T. Boyd — D. L. Crume

Enter into His gates with thanksgiving
And into His courts with praise. Ps. 100:4

Main St. Christian Church

Kokomo, Indiana

JOHN M. HORNE
Pastor

MRS. MARGARET McCOOL
Choir Director

AGNES LEE SMITH
Organist

MRS. LALLA LAYMON
Orchestra

Let your light so shine that men may see your good works
and glorify your Father who is in heaven. Matt. 5:16

SUNDAY MORNING, MAY 26th, 1940

10:40 A. M.

"BUTLER DAY"

•

Prelude—Andante ..... Hollins

Hymn 195—Stand Up for Jesus

Lord's Prayer and Response

Responsive Reading of Scripture—Selection 12

Morning Prayer ..... The Pastor

Hymn by the Congregation 16

Recognition Service for High School Graduates

Anthem—The Lord is My Light ..... H. W. Parker

Sermon—Pres. D. S. Robinson, Butler University

Invitation 407

Communion 272 all verses

Offertory—Legend ..... Crawford

Violin Solo, Mrs. Laymon

Benediction — Benedictus —

Postlude—Spring Song ..... Hollins

ANNOUNCEMENTS

•

President Daniel Sommers Robinson, of Butler University is our guest preacher today. The Main St. Christian Church gives cordial welcome to our distinguished guest. The Butler Alumni of our church and of the community join in the hearty greeting. This church has been blessed during the past fifty years and more by the membership of Butler Alumni.

Butler University is one of the largest educational institutions among the Disciples of Christ. We all take pride in the recent growth of this University on Fairview Campus in North Indianapolis. The next new building, to be added to the already beautiful group, will be the new Chapel of the College of Religion. Funds are now in hand for its erection.

THE BUTLER COLLEGE CHOIR

Under the direction of Mr. Lautner the Butler College Choir will present a full program in our church auditorium tonight at 7:30. We count ourselves very fortunate in having this unusual musical organization. This Choir has made many appearances, far and near, and always pleases its audiences. It is composed of 80 young people whose voice training is being directed by the Music Department of the University. We anticipate a delightful evening of sacred music. The program will be especially attractive and interesting to our young people. A cordial invitation is given to everybody to join in the welcome that we may give to our College Choir.

HIGH SCHOOL GRADUATES

We offer our congratulations and our word of recognition to the High School Graduates today. Our blessing and best wishes to all the graduates: John William Devore, Janet Nelson, Maxine Klingerman, Goldie Khrin, Dorothea Philips, Betty Lou Woolridge, Anabelle Alexander, Betty Reagan, Thelma Wallace, John Workman, Ronald Branch, Max Allison, Robert Hines, Norman Newlon, Jack Eads, Robert Roach, Robert Martin, Charles Mumaw and Philip Meinzer.

CHILDREN'S DAY

Next Sunday, June 2nd, is Children's Day. Our children will give a program during the school hour. We have a goal of $150.00 apportioned among the classes and departments. Let no one fail to make the assignment.

BUILDER'S CLASS

The date of June 4th has been set for the 2 plays which will be given by 2 casts made up from the membership of the Builder's Class.

My Dear Doctor:—
In P. O. — Been to
Library. — Permit me to
put on paper — a feeble
attempt to again. — Thank
you — for the rare opportunity —
— and all former trips — favors —
eats. — rides. — letters, literature. —
— too numerous to mention. —
Sincerely — C. W. B.

CHARLES M. EK
1812 N. PURDUM STREET
KOKOMO, INDIANA.

My Dear Dr. Friesner:-

I was in considerable of a "sweat" concerning getting over to Muncie. Deam had told me on Oct. 15, to write to Lafayette. I wrote to Dr. Cummins who took me to Winter. & Pulaski Co. July 30 - a splendid fellow. But he was not planning to attend. and referred me to A. T. Guard, - (on the program). - unknown to me.

When I first read your fine offer Oct. 28, I didn't see how I could let you drive over 120 miles, just for me. Then when Dr. Deam sent me the program (to be returned) & I saw you & Mrs. Friesner on for two parts - & realizing that it would mean no less than 2½ hrs. of your

valuable time + energy ---- I finally chose to let Prof. Guard drive 5-7 miles farther + pick me up. I had one letter to him telling how to reach me - Sts. - railroads, &c. It was Max who suggested that Purdue drive 10-15 mi. - further rather than you - 120-125 miles. + that I meet them on S. W. Corner of Square. -

The Purdue car has to return another ~~another~~ route - So I shall be glad to go back with you across to Rd 31 - or somewhere + get a Bus. -- unless you too are planning other routes.

I surely hope you are chosen Sat. to edit the New Co. Records - i.e. if you want the Herculean job - + have the time - I have 156 such records; a lot - fully ½ which you have duplicate. A number of others are in my 1938-39

Collections. I have omitted the doubtful species or some where specimens were poor. - etc. - & all have been checked with Deam's - For example - I found around Lafayette, May 17-18-1940. - What B-B - calls Sophia incisa - S or S. intermedia: - The Flora has put all the variations into the old Tansy Mustard, now called Descurainia brachycarpa, - tho it is different from T. Mustard I've seen here; - it is glandular-pubescent - the pods & pedicels more erect. Page 50 of Deam has it from Tippecanoe Co. - so it's a safe guess he's seen this glandular form. To me, - this is the most valuable feature of Deam's Flora, - the grouping of the variations and intermediate forms and disregarding the various varietal forms.

From EK (mid.)

Think I'll bring along some surplus specimens of Aegilops glandica,

and some other 4 Species new to Ind. including Spermolepis patens & Aster amethystinus. - 1940 finds.

Dr. Deam in his brief letter of Nov. 7. - says he has a room for me at Delaware Hotel - Some rooming house at 1½ to $2 price would serve as well.

Trust weather is clear - As I am scribbling - Mon. P.M. it is getting colder fast.

Have all of Dr. Potzger's packages ready next time you are are past - & have room - quite a nice collection - many duplicates - all designed for Class use and not for specimens - many too long - & often tangled - but fitted for class use &c. - So I judge - There is plenty in many cases - & then some.

Recd 2 nice letters from Dr. Krukoff. In all have sent them 3 times, Solanum, nice Physalis - & nice lilac bark. - The last

from EK (n.d.)

time I gathered them (Nov. 3-4) 2 big boxes Horse Nettle berries - all degrees of ripeness - Gross wt. 20½ lbs. They are getting good results from it - but few from ground-Cherry - Also rec'd 1 2 small packages of Publications - On this basis there's some S. A. specimens coming to you - I got a big kick gathering & sending these. Told them about Datura stramonium - but to-date no further wants. The Dr. does want me to help - 1941 - with toxic plants of Ind. These toxic plants - I'll need to discuss or rather learn about - what species - etc. - from you. - Plenty of time for 1940 is ended. - a very sad fact. - Every time I was out - field Oct. - Nov. - I bid farewell to the Green in the trees - weeds - plants

The Year 1940 was as good to me as 1939 or better. - Considering that

wonderful 2 days in the South Counties - & I think 1 extra day work. After this week I'll begin on the Summer Collections - mainly on the new species - 100 here & in N. - & 50 in Harrison - Crawford Co. - These latter I'll just study as to manuals - the others I plan to describe as I've done with all my past collections.

I trust you are pleased with the arrangements and glad you'll get 2 - 3 more hrs. rest - sleep. I can come back part of the way with you - if convenient.

With Best Wishes for the Week-end - and for the Future.

Sincerely Yours.

Charles M. Ek

From EK (11.9)

Sunday Night.

Dr. Friesner and Dr. Potzger.

My Very Dear Friends. ——

Sort of a Composite Letter.

I have never said a thing in any letter to one that the other could not have read. I came back Sat. P.M. with a feeling of great satisfaction. A profitable meeting in every respect. What a fine lot of scientific Friends I have. Truly – Life with me began at 60 – not 40 as a popular book said. Dear, Purdue – Butler: – Its not many old papers that can Panhandle three institutions, all in 2 days. I hope and know that all of these that have contributed so much to my comfort and happiness have realized the fruit of that beautiful Text: – "It

is more Blessed to Give than to Receive"

And, lest I forget - it works both ways. - The only way I can give is by services, - by all I have, - specimens and the informations that goes with them. You can not realize what a joy it has been to collect these that you took Sat. Objective — By-Product —

~~For~~ If my object was gross-sedge list there was always by-products - However I stressed these - And I learned too, - I think I have labeled all the above correctly - I went over (I think) all the Carices with the big 2-vol. Mackenzie. However as in the past - I welcome Corrections. This applies, too, to the 3 boxes new Co. Records. Throw out any poor specimens as that Portulaca. (the 15 boxes)

These specimens were not collected as specimens but for Class use - Hence in most cases they are too long - are tangled - too mature

from Ek (n.d.)

3

or immature. They are in large quantities in many species - so that little care need be used in saving. - Sorry I did not collect Sorgastrum & the Andropogons - and Sporobolus asper. - I planned to - - - but didn't! also Muhlenbergia umbrosa (old name) There were 2-3-4 ~~Carexes~~ Carexes I couldn't get - too far away - my ductless glands are no longer equal to a 15-15 mile trip.

The last semester when you have classes in grasses &c. - You'll not want for materials - Students need not be careful as in mounted specimens. -

There has been ~~not~~ attempt whatever not even any idea of returning to you what you have done for me. Repeat that text again... That certainly was a pleasure to give Drs. Weatherwax, Kriebel & the Earlham Prof. - those species new to Ind. So sorry I didn't know about it before I had gone thru for co. records. - There's 1941. - so I hope.

When I got home Pat - among my

mail was a 2-page letter from Dr.
Krukoff - + - Gee - - PSt - Silence - -
a check for $10.00 - This check virtually
belongs to you - I was doing some work
you had no time for - - So you could
get your S. trips done sooner - - Well
its a triangle - N.Y. - Friesner - Ek.
Krukoff giving you specimens - you
helping me in xyz ways - me collecting 5
times for N.Y. The good Dr. wants some
Apples — Maclura pomifera - Hedge-apples -
Too late Sat. - So today started out west -
- wheeled 8-9 miles - All were either cut
off or trimmed but luckily I located 1
big tree - 2-3 bushels - but he wants a
Ton - - - a ton - 2000 lbs. - - - I'll never
get ~~that~~ much in 1940. - I know of some
N. - N.E. - N.W. - 3-8 mi. away - (3-5 yrs. ago) + I'll
see him. - He ~~mentioned~~ mentioned about
my expenses - - a previous letter and I told
him plainly ~~that~~ I could accept nothing -
Said Dr. Folkers was glad I sent an ample
quantity (70½ lbs. ...) - They seem to be getting
good results. - The Physalis yielded them little.

from Ek (n.d.)

5.

So I'll be busy for this week - I hope Dr. Krukoff & Co - continue to give you rare S.A. specimens. He said most of their plants for experiment come from S.A. - &c. - but they wanted to try Ind. plants - & that - 1941 would depend upon me for some with toxic properties - with your help - (if I'm here) I trust to be of service to them - with no $ consideration in view - I hope these Interests will keep me alive.

I hope Dr. Potzger (Dr. Friesner too) have read between the lines. -

That is - - - - - next summer maybe - - we can go South again. - or better or as good - to Lake - Porter Co - or Steuben Co. - & take 2 days - or 1 night

away - that would be grand - glorious - then I'll be a bum again - a hobo - permitting you to pay for gasoline - - -

Again Thanks -

Best Wishes - - -

Cheerio -

Sincerely Yours

C. M. E.

N.A.R. No Answer Required, Except postal when you plan to come again - - - C.M.E.

Ralph M Kriebel
Bedford, Ind
To —
Roy C Friesner
Butler University
Indianapolis
Indiana