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About the Institute

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

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

1. I am very grateful to you for your kindness in sending me
2. the leaf and heads from Solidago harrisii. The vacation has
3. intervened to make me so tardy in acknowledging your kindness.
4. I now have the manuscript in the process of final typing and
5. it should be ready to be sent to you sometime next week. I
6. hope you will feel free to make any suggestion for reconsideration
7. that you may feel necessary.

8. Sincerely yours,
9. Dr. Earl L. Core
10. Curator of the Herbarium
11. West Virginia University
12. Morgantown, W. Va.

13. Dear Dr. Core:
14. I am very grateful to you for your kindness in sending me
15. the leaf and heads from Solidago harrisii. The vacation has
16. intervened to make me so tardy in acknowledging your kindness.
17. I now have the manuscript in the process of final typing and
18. it should be ready to be sent to you sometime next week. I
19. hope you will feel free to make any suggestion for reconsideration
20. that you may feel necessary.

Sincerely yours,

21. Ray C. Friesner

22. Ray C. Friesner

23. RCF:mb

24. Ray C. Friesner

25. Ray C. Friesner

26. Ray C. Friesner

27. Ray C. Friesner

RECEIVED

January 11, 1941

Mr. William Rhodes
1621 N. Rural Street
Indianapolis, Indiana

Dear Mr. Rhodes:

Enclosed I am returning the sheet with family names of species listed except for a few which we are unable to locate.

I am glad to be able to serve you and am sorry that pressure of work has caused me to be so slow in getting the plants looked up.

Sincerely yours,

Ray C. Friesner

RCF:mb

January 11, 1941

Dr. Winona Welch, Secretary
Indiana Academy of Science
DePauw University
Greencastle, Indiana

Dear Dr. Welch:

On at least three occasions for the past year, I have asked Dr. Allyn to change Mrs. Friesner's address on the Academy addressograph stencils and to no avail. I would appreciate it very much if you will change her address at your next time for having new stencils made. Please change it to

Mrs. Gladys M. Friesner
Brandonwood
Indianapolis, Indiana

Under separate cover I am sending you a specimen sent me by Mr. Dean. I judge it is a species of *Fontinalis* but it is so long since I have done any moss work that I do not know the genera any more. You may keep the specimen but I would appreciate knowing your determination when you have had an opportunity to get to it. He sent enough material for several specimens and so I am keeping a couple packets on file in our herbarium.

Sincerely yours,

Ray C. Friesner

RCF:mb

E. F. DEGENER, VICE-PRESIDENT
PURDUE UNIVERSITY
WEST LAFAYETTE

WINONA H. WELCH, SECRETARY
DEPAUL UNIVERSITY
GREENCASTLE

T. G. YUNCKER
CHAIRMAN PROGRAM COMMITTEE
DEPAUL UNIVERSITY
GREENCASTLE

INDIANA ACADEMY OF SCIENCE

PAUL WEATHERWAX, PRESIDENT
INDIANA UNIVERSITY
BLOOMINGTON

W. P. MORGAN, TREASURER
INDIANA CENTRAL COLLEGE
INDIANAPOLIS

P. D. EDWARDS, EDITOR
BALL STATE TEACHERS COLLEGE
MUNCIE

WILL E. EDINGTON, PRESS-SECRETARY
DEPAUL UNIVERSITY
GREENCASTLE

Jan. 14, 1941.

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

Dear Dr. Friesner:

I have typed Mrs. Friesner's address as in your letter on a card and clipped it with the card which she returned a few days ago for the records for the Editor. I promise you I shall do the best I can to get it correct if I ever get the list of membership. The cards are coming in each day in quantities. Dr. Allyn has sent me my portion of stationery. I made out the heading for the stationery and sent it to him and he has taken care of the rest of it. Otherwise I have nothing pertaining to my office. I suppose he is busy putting on the finishing touches but I am becoming rather anxious to get the materials organized and get some of the checking done for Dr. Edwards before things happen so fast that I become swamped and snowed under. I should hear from Dr. Allyn any time, I should think.

Frankly, I have your work and efficiency as Secretary of the Academy as my model. I shall try as hard as I can to be a successful secretary and to do the work as efficiently as within my power to do. I do hope that tardiness in receiving the supplies and records will not give me an unfavorable beginning. I am writing Dr. Allyn today about some matters and I am going to ask him to set a date when we can make the transfer.

Thank you very much for the moss. I have determined it to be Pontinalis Duriaei Schimp. Deam #59827.

Sincerely,

Winona H. Welch
Winona H. Welch

UNIVERSITY



OF KENTUCKY

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF BOTANY

LEXINGTON

January 15, 1941.

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

My dear "cotor Friesner:

Several months ago you advised me that you would be willing to go over our entire collection of "olidagos and I wonder if this offer is still good? There are approximately about 125 sheets and unfortunately they are the regular herbarium sheets and perhaps very few if any duplicates. I realise that it is customary for one to give the specimens for the identification and this is what we are up against, but what I am willing to do is to send you a set of our First Century which I hope to have ready within a couple of three weeks, this to pay for the trouble of going over our collection of Solidago. If this is reasonable, then let me know when to ship the goldenrods.

Had too much to do and did not get a chance to go to Philadelphia. We are planning on a five week term of Field Botany at Cumberland Falls, during July and August and this has taken some of my time.

Yours very sincerely,

Frank T. McFarland.

Frank T. McFarland,
Professor and Head of the
Department.

*Are you in a position to use some good
Magnolia Seeds?*

*M. cordata
acuminata
fraseri
littoralis
macrophylla
Robinsonii*



Measuring to and from Key West one passes entirely over
Pigeon Key as shown in this view of the New Overseas
Highway. This marvel has been constructed over the road-
bed of the old Florida East Coast Railroad.

Dear Dr. Thiesner
I am very glad you
plant specimens sent me
since I wrote you
last. I came up here to
Mercy Hospital Bay
from Cape Romano Fla
in a Pullman berth after
but two months of work
in the Islands - I shall
be on Cape Bay for me
at the south end of the
bridge but don't know
what I shall
do now I will
14715

JAN 17
1904

POST CARD



Dr. Thiesner
Dept of Botany
Baltimore Md
Indianapolis Ind

Spearfish Normal School

Black Hills Teachers College
Spearfish, South Dakota

E. C. WOODBURN, PRESIDENT

F. L. BENNETT
BIOLOGY

Jan. 17, 1941

M. G. RICHMOND
CHEMISTRY AND PHYSICS

Department of Botany,
Curator of the Herbarium,
Butler University,
Indianapolis, Indiana.

Gentlemen.-

A long time since we received two boxes of plants for our herbarium. The plants from one of the boxes have been mounted and a record made of them, adding them to our herbarium. I am trying to remember the courtesy and as I gather duplicates ¹ shall send more sometime in the future. My work on the herbarium is just spare-time between classes and other teaching duties. I have been delighted with the plants sent here. It is a very great pleasure to mount them and to have file cards made of them for record and for class work.

Very sincerely yours,

F. L. Bennett
F. L. Bennett

FOR BUTLER UNIVERSITY
Indianapolis, Ind.

Ranunculaceae

- 141 Anemone globosa (2)
- 179 Delphinium bicolor

Berberidaceae

- 96 Berberis aquifolium

Capparidaceae

- 109 Cleome serrulata

Brassicaceae

- 261 Cheirinia asper
- 684 C. asperrima
- 683 C. elata
- 721 C. inconspicua
- 449 Hesperis matronalis

Saxifragaceae

- 27 Heucheria hispida
- 93 Lithophragma bulbifera

Polygonaceae

- 294 Eriogonum multiceps
- 1260 Persicaria hydropiperoides
- 559 P. persicaria
- 1235 Polygonum achoreum
- 1237 P. aviculare
- 1233 P. exsertum
- 1232 P. ramosissimum
- 1262 Rumex mexicanus
- 1019 R. occidentalis
- 801 R. venosus

Onagraceae

- 1265 Epilobium hammondii
- 1249 E. occidentale

Rosaceae

- 1286 Agrimonia striata
- 181 Rosa woodsii
- 820 Spirea lucidus

Malaceae

- 893 Amelanchier alnifolia
- 1376 Crataegus chrysocarpa

Amygdalaceae

- 100 Prunus besseyi
- 475 P. demissa

Fabaceae

- 1304 Astragalus goniatus
- 447 Glycyrrhiza lepidota
- 951 Hedysarum boreale
- 716 Lupinus aduncus
- 350 Orophaca caespitosa
- 1125 Petalostemum candidus
- 107 P. purpureum
- 187 Psoralea esculenta
- 371 Vicia oregana
- 370 V. sparsifolia

Betulaceae

- 1075 Betula fontinalis
(in anthesis)

Santalaceae

- 159 Commandra pallida

Rhamnaceae

- 1016 Ceanothus velutinus

Elaeaginaceae

- 171 Shepherdia argentea
(in anthesis)

Anacardiaceae

- 594 Rhus glabra

Cornaceae

- 1287 Cornus interior

Araliaceae

- 275 Aralia nudicaulis

Ammiaceae

- 120 Cogswellia villosa

Ericaceae

- 97 Arctostaphylos uva-ursi
- 678 Ledum groenlandicum

Rubiaceae

- 623 Galium aparine

Valerianaceae

- 1212 Valeriana edulis

Carduaceae

- 1270 *Anaphalia margaritacea*
658 *Antennaria rosea*
1403 *Arnica tenuis*
710 *Artemesia gnaphalodes*
1266 *Aster cordalenus*
1253 *A. sayianus*
842 *Helianthus subrhomboides*
412 *Liatris punctata*
1281 *Madia glomerata*
1144 *Senecio integerrimus*
145 *Tetraneuris scaulis*

Cichoriaceae

- 940 *Heliracum scabriusculum*
646 *Lactuca pulchella*
500 *Lygodesmia juncea*
643 *Sonchus oleraceus*

Gentianaceae

- 912 *Frasera speciosa*

Primulaceae

- 457 *Steironema ciliatum*

Plantaginaceae

- 613 *Plantago purshii*

Campanulaceae

- 237 *Campanula petiolata*

Polemoniaceae

- 140 *Phlox scleranthifolia*

Hydrophyllaceae

- 1088 *Ellisia nyctelea*

Boraginaceae

- 460 *Lappula fremontii*
861 *L. occidentalis*
92 *Lithospermum linearifolium*
662 *Mertensia lanceolata*

Solanaceae

- 209 *Solanum nigrum*

Scrophulariaceae

- 248 *Castilleja sessiliflora*
654 *Pentstemon albidus*
278 *P. glaber*
683 *Scrophularia occidentalis*
94 *Verbascum thapsus*
441 *Veronica americana*
1275 *V. anagallis-aquatica*

Verbenaceae

- 1093 *Verbena hastata*

Lamiaceae

- 276 *Agastache anethiodora*
557 *Mentha canadensis*
1092 *Moldavia parviflora*
1282 *Monarda didyma*
953 *Scutellaria galericulata*

Zannichelliaceae

- 1277 *Potamogeton alpinum*

Convallariaceae

- 259 *Disporum trachycarpum*
347 *Unifolium canadense*

Melanthaceae

- 1300 *Zygadenus alpinus*
116 *Z. gramineum*

Poaceae

- 433 *Bouteloua gracilis*
1394 *Glyceria grandis*

Cyperaceae

- 598 *Carex filifolia*

Pinaceae

- 9 *Pinus ponderosa*
(seedling)

Juniperaceae

- 17 *Juniperus procumbens*
23 *J. scopulorum*

Equisetaceae

- 659 *Equisetum sylvaticum*

From the Laboratory of Biology,
Spearfish State Normal School,
Spearfish, South Dakota.

Dr. Eleanor Scull
Mercy Hospital
Gary, Indiana

Dear Dr. Scull:

Your card regarding plants from Florida came this morning.

We have not had any plants of your from Florida for the past year or so.

You do not indicate on your card whether you are ill or not. I hope not, but if you are, I hope you will have a quick recovery.

Sincerely yours,

Ray C. Friesner

RCF:mb

January 21, 1941

Dr. Frank T. McFarland
Department of Botany
University of Kentucky
Lexington, Kentucky

Dear Dr. McFarland:

I shall be glad to go over your specimens of *Solidago*. I had no thought of remuneration in any way. Of course, if you have some specimens you would care to send in exchange, I shall be glad to receive them especially in view of the fact that our herbarium does not have a very large representation of Kentucky plants. I have a shipment of plants about ready to go to you from our past season of collecting. These do not duplicate previous sendings.

It will probably be after the middle of February before I can get to your specimens, so that you may send them at your convenience.

We would be glad to get the seeds of different species of *Magnolia* for planting in our botanical garden.

With kindest regards,

Sincerely yours,

Ray C. Friesner

RCF:mb

Butler University

INDIANAPOLIS, INDIANA

Daniel S. Robinson, President

DEPARTMENT OF BOTANY

Ray C. Friesner, Professor
John E. Potzger, Associate Professor
C. Mervin Palmer, Assistant Professor
Mabel M. Eaten, Lecturer Evening Division
Scott McCoy, Lecturer Summer Session
Assistant Curator of Herbarium
Charlotte L. Grant, Lecturer Evening Division

January 21, 1941

Dr. F. L. Bennett
Spearfish Normal School
Spearfish, South Dakota

Dear Dr. Bennett:

We have received your shipment of herbarium specimens today. These reached us in excellent condition and we are very grateful to you for the valuable addition.

[illegible]

SOUTHERN APPALACHIAN BOTANICAL CLUB

WEST VIRGINIA UNIVERSITY

MORGANTOWN, W. VA.

January 23, 1941

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

Dear Dr. Friesner:

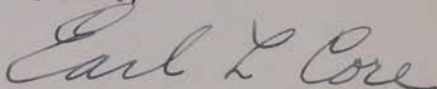
The Southern Appalachian Botanical Club is planning the preparation of a series of herbarium specimens representing the various State flowers and will present to you a complete set of the 48 specimens with printed labels in return for your cooperation in collecting material from your own State. If you are interested, will you kindly reply before February 15, in order that we may be certain of the participation of someone in each State during the coming collecting season.

Your part in the project, should you desire to participate, will be to collect material enough for approximately 100 sheets of the official flower of your State. Good, normal material only is to be gathered and it should be carefully arranged, pressed, and dried. Collections should be made at the time of flowering in most instances. Roots should be thoroughly cleaned. Precise and full data should accompany all collections. In short, good, usable, attractive herbarium material is expected.

When the material is thoroughly dry, you may send it to me, and I will sort it into sets, submit critical species to specialists, have printed labels prepared, and then send you, postage prepaid, a set of specimens representing the official flowers of each of the 48 States. The extra sets will be used in part for determinations; the remaining sets will be offered for sale to defray printing and mailing charges. Any profit realized will be credited to the account of the Southern Appalachian Botanical Club.

According to my records, the official flower of Indiana is Zinnia.

Sincerely,



Earl L. Core
Editor of Castanea

ELC/enb

January 28, 1941

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

Dear Dr. Core:

Thanks for your letter of January 24. There is no need for hurry in the publication of the Solidago paper. If it can appear by the middle of July it will be in time for use on the 1941 crop of goldenrods. June or July appearance would probably be a more psychological time of appearance anyway. I would be glad to purchase 100 copies of reprints because I will undoubtedly get calls for them.

Sincerely yours,

Ray C. Friesner

RCF:mb

LEWIS SAMUEL ROSE
2165 JACKSON STREET
SAN FRANCISCO, CALIFORNIA

Jan. 29, 1941

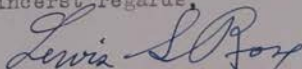
Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

Dear Dr. Friesner;

I wish to thank you for your fine collection of 86 plant specimens which I received from you a few weeks ago. I always enjoy hearing from you and receiving your collections. I am not particular about evening up the count of specimens, so am sending you to-day another parcel containing over 100 sheets, which I had put aside for you. You may consider these as a donation to your herbarium. I am enclosing some European *Artemisias*, which show to what extent people can go in splitting hairs. I hope this will not be done in *Solidago*. If you do not want them, discard them. The rest of the specimens include species and varieties which I have not sent you before.

I shall continue to put other specimens aside for you, as I collect them, but do not expect to be in the field very much this coming year, as there are more important things ahead. Hope it will be a short war, so that we can get down to botanizing again.

With sincerest regards,



California Academy of Sciences.

Kokono, Ind., Feb. 4. - 1941.
1812 W. Burdum St.

From EK

Dear Dr. Briesner:

Rec'd short letter from Dr. Kruckhoff,
wanting bark of *Asimina triloba* - Papaw.
Went to the 2 nearest patches - 4 mi. S. & N.E.
& found them O.K. I am positive I have
them correct - but am sending you a few
buds - & twigs - enough for a sample. - In 1937
when writing up the buds - twigs of the trees,
I fortunately included a lot of shrubs, all those
I found & knew. - I described the bud.
Twigs, leaf-~~scars~~ ^{scars}, bundle scars, &c. fully.
It fits it perfectly - but before I sent all the
scraps - thought I'd better get your O.K. -
There are books that give all these details
of buds for the trees, but I know of none that
that describes the buds of shrubs, tho *Asimina*
is classed as a tree - only a shrub here.
The Dr. wants about 3 lbs. of dried bark.

He sent Dec. & Jan. Nos. Jour. N.Y. Bot. Garden.
In Dec. issue, your old co-worker Stanley A. Cain
reviews a Book - Bio-Ecology - also a note where
he is spending 5 months at The N.Y. Garden.

2.

Am tired after gathering 31 lbs. of twigs,
walking 1-2 miles & wheeling 8-9 miles. - So
will close - Use only a postal in your reply.

Have finished all specimens. In last
week worked out in rough a dozen squibs
or short articles for Isaac Walton League. Don't
know how many - if any can or will be used.
Send only a postal-card. -

With Best Wishes - for you - the
Mrs. - Students - Dr. Patzger.

I am -

As Always -

Sincerely Yours -
Chas. - E.H.

P.S. A shoe-cobbler here - quite intellectual,
who is always asking me about my work, &c.
Called my attention to your picture in Auds's
Star Sunday Jan 26 - I looked it up at
Library - Sure man! There you were -
Success to your Garden Meeting. - Also
noticed Miss Stanley as non-part of your
Faculty & Dr. Palmer on leave of absence -
Yours - C.H.

3

First to say a word about the Book you loaned me The Cariceae. Last summer when I got the 2 Big Vols. I used them with every species I examined after that. - And this winter I used both sets with the species I had left.

It is a pity that the 2 Big Vols. did not contain ALL the contents of the text you loaned me. Enough space - margins - were wasted to include entire Text - word for word - keys, &c. &c.

The descriptions in the Text-descriptions are much more complete. I counted the works in 1 species - 155 in Big Volume 350 in Text! Some facts left out, to me, very essential. It is hard to believe that McKenzie wrote the descriptions in the Id. Vols. In fact, it says "edited by H. W. Rickett." It seems to me a compilation.

4

The editing - or Compilation - is a good job. - very excellent. - but inferior to Mockenzies Complete text. - The Ills. are as good & perfect as ~~could~~ could be. - Carex is, like all plants, variable. In a few instances I had numerous sheets, - & the Ill. was - as a whole slightly varying - to be expected of same species collected in distant states.

Two³ parts he describes (of the Carex) that I have neglected. - the roots. - the ~~ligule~~ - ligule & the sterile culm. - especially the ligule. - In some species - where I had many good specimens. - I could hardly verify the ligule description. - In ~~the~~ my descriptions I went exhaustively - the flowers - leaves - culms - bracts - & - all these Mockenzie was perfect. -

If you need this Volume - I shall be pleased to send it to you. - as I shall do little with it from now on - - Sincerely yours
C. M. E.

UNIVERSITY OF KENTUCKY



LEXINGTON

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF BOTANY

February 7, 1941.

Doctor Ray C. Friesner,
Department of Botany,
Butler University,
Indianapolis, Ind.,

My dear Doctor Friesner:

Yesterday I sent you a small package of *Solidagos* for determination. Those that are unmounted are for your department and the balance are to be returned. These are for the most part are to be incorporated in a thesis by Mr. Rogers. I believe that the *S. rupestris* is correctly named. Apparently it grows just in exactly the same habitat as Dr. Short collected it along the cliffs of the Kentucky River. It certainly is different from anything that I have seen in a *Solidago*.

Since you are going to be kind enough to look over the balance, and there are quite a lot of them, I will send the balance first of the week.

Harvill who is another Rafinesque, working or trying to work on the Composites for his M. S. (now has disappeared and no one knows where he is at present) tells me that *S. odora* is now *S. sauveolens*. Where is the change for I am not able to find it? I hate that you still use *odora*. Who are we going to follow? Pennell went over our Scrophs and he has some labelled one thing but his Monogr. he uses a different genus? And where are we to go next and whom should we follow?

Yours very sincerely,

Frank T. McFarland

Frank T. McFarland,
Professor and Head of the
Department.

Duke University
DURHAM
NORTH CAROLINA

February 7, 1941.

DEPARTMENT OF BOTANY

Dr. Roy C. Friesner,
Department of Botany,
Butler University,
Indianapolis, Ind.

Dear Dr. Friesner:

I read your paper describing exudation through uninjured bark of Acer rubrum with much interest. One point of importance was not recorded - that is the season at which this occurred. I do not recall ever seeing such an occurrence, but I presume it was in the spring or at least at a time when the trees were leafless.

As you know I tend to depreciate the importance of root pressure. Generally speaking it seems doubtful to me if root pressure occurs in plants which are transpiring freely. So far as I know exudation has never been observed in maples bearing leaves. If you have an exception to this general observation it will be both interesting and disturbing to some of my ideas.

If you care to make any comments I would be glad to have them. I think we might advance more rapidly if we had more informal exchanges of opinions on various problems so I always welcome comments, if they do not agree with my ideas.

With best personal regards.

Very truly yours,

Paul J. Kramer
Paul J. Kramer.

PJK:w

February 10, 1941

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

Dear Mr. Ek:

Enclosed is a list of the species added to the Butler University Herbarium as a result of your collecting during the past season. We still have a large amount of material from the 1937 and 1938 collecting and some from 1939 yet to go through. I hope to get around to this as time goes on and if I can keep the current years from piling up we can eventually get it completed. We have so little time free from routine duties that such work necessarily goes slow. Every day means a day nearer the summer field season again and I am sure we will have some more good week-ends together.

Appreciating greatly your cooperation in the past, I remain

Sincerely yours,

Ray C. Friesner

RCF:mb

<i>Pedicularis lanceolata</i>	Howard
<i>Polygonum neglectum</i>	Grant
<i>Aster junceus</i>	Kosciusko
<i>Elymus riparius</i>	Kosciusko
<i>Lycopus americanus longii</i>	Cass
<i>Eupatorium fistulosum</i>	Cass
<i>Ranunculus flabellaris riparium</i>	Cass
<i>Cyclosoma atriplicifolium</i>	Howard
<i>Arabis glabra</i>	Howard
<i>Carex tenera</i>	Kosciusko
<i>Carex laxiflora serrulata</i>	Miami
<i>Carex leavenworthii</i>	Howard
<i>Plantago indica</i>	Tipton
<i>Arrhenatherum elatius</i>	Howard
<i>Lactuca scariola integrata</i>	Howard
<i>Lactuca scariola</i>	Howard
<i>Asclepias syriaca</i>	Cass
<i>Daucus carota</i>	Cass
<i>Allium sativum</i>	Cass
<i>Apocynum cannabinum glaberrimum</i>	Howard
<i>Cladium mariscoides</i>	Newton
<i>Fraxinus americana</i>	Howard
<i>Polygonum neglectum</i>	Howard
<i>Amaranthus hybridus</i>	Kosciusko
<i>Spirodela polyrhiza</i>	Howard
<i>Lemna minor</i>	Howard
<i>Mentha longifolia mollissima</i>	Howard
<i>Arabis canadensis</i>	Tippecanoe
<i>Helianthus decapetalus</i>	Tippecanoe
<i>Oenothera lacinata</i>	Tippecanoe
<i>Hypericum sphaerocarpum</i> (H. distifolium)	Pulaski
<i>Polygonum hydropiperoides</i>	Cass
<i>Mentha spicata</i>	Cass
<i>Teucrium occidentale</i>	Jasper
<i>Stellaria graminea</i>	Howard
<i>Koeleria cristata</i>	Tippecanoe
<i>Helianthemum bioknellii</i>	Tippecanoe
<i>Allium sativum</i>	Tippecanoe
<i>Mentha piperita</i>	Tippecanoe
<i>Arabis glabra</i>	Tippecanoe
<i>Atriplex patula hastata</i>	Tippecanoe
<i>Atriplex patula littoralis</i>	Howard
<i>Crataegus rugosa</i>	Howard
<i>Gentiana andrewsii</i>	Howard
<i>Aster amethystinus</i>	Tipton
<i>Oxybaphus nyctagineus</i>	White
<i>Anacharis canadensis</i>	White
<i>Ambrosia elatior</i>	White
<i>Eupatorium altissimum</i>	Tipton
<i>Asparagus officinalis</i>	Tipton
<i>Chenopodium berlandieri</i> ?	Howard
<i>Gentiana quinquefolia occidentalis</i>	Howard
<i>Euphar advena</i>	Howard
<i>Polygonum buxiforme</i>	Howard
<i>Micandra physalodes</i>	Howard
<i>Aster paniculatus simplex</i>	Howard
<i>Lemna minor</i>	Howard
<i>Aster lateriflorus</i>	Laporte
<i>Aster praecaltus</i>	Starke
<i>Aster cordifolius</i>	Starke

<i>Aster sagittifolius urophyllus</i>	Starke
<i>Tilia americana</i>	Howard
<i>Hieracium scabrum</i>	Starke
<i>Ambrosia elatior</i>	Tipton
<i>Lyodium halimifolium</i>	Howard
<i>Aster praealtus angustior</i>	Tipton
<i>Aster missouriensis thyracoides</i>	Tipton
<i>Atriplex patula littoralis</i>	Tipton
<i>Physalis heterophylla</i>	Pulaski
<i>Portulaca oleracea</i>	White
<i>Carex squarrosa</i>	Tipton
<i>Stachys hispida</i>	Tipton
<i>Morus rubra</i>	Starke
<i>Amaranthus graecizans</i>	Howard
<i>Rudbeckia subtomentosa</i>	Cass
<i>Clematis virginiana</i>	Cass
<i>Monarda fistulosa</i>	Cass
<i>Desmodium canadense</i>	Howard
<i>Portulaca oleracea</i>	Howard
<i>Panicum praeceocium</i>	Jasper, 1940
<i>Erechtites hieracifolia</i>	Marshall
<i>Desmodium rigidum</i>	Marshall
<i>Juncus marginatus</i>	Jasper, 1940
<i>Carex tribuloides</i>	Kosciusko, 1940
<i>Carex hitchcockiana</i>	Kosciusko, 1940
<i>Carex albursina</i>	Kosciusko, 1940
<i>Carex stricta</i>	Kosciusko, 1940
<i>Carex brevior</i>	Kosciusko, 1940
<i>Eleocharis olivacea</i>	Cass, 1940
<i>Carex lupulinus</i>	Cass, 1940
<i>Carex prasina</i>	Cass, 1940
<i>Carex stipata</i>	Miami, 1940
<i>Carex buxbaumii</i>	Miami, 1940
<i>Juncus acuminatus</i>	White, 1940
<i>Carex brevior</i>	White, 1940
<i>Carex trübuloïdes</i>	Pulaski, 1940
<i>Juncus brachycephalus</i>	Pulaski, 1940
<i>Carya laciniosa</i>	Tippecanoe, 1940
2 <i>Stellaria media</i>	Tippecanoe, 1940
<i>Tragopogon pratensis</i>	Tippecanoe, 1940
<i>Carex granularis</i>	Crawford, 1940
<i>Carex swanii</i>	Crawford, 1940
<i>Oenothera speciosa</i>	Howard, 1940
<i>Eriogonon americanus</i>	Howard, 1940
<i>Rubus flagellaris</i>	Harrison, 1940
<i>Spernolepis patens</i>	Tippecanoe, 1940
<i>Polygonum exsertum</i>	Howard, 1940
<i>Asclepias syriaca</i>	Cass, 1940
<i>Juncus balticus littoralis dissitiflorus</i>	Newton, 1940
<i>Eleocharis tenuis verrucosa</i>	Newton, 1940
<i>Polygonum buxiforme</i>	Marshall, 1940
<i>Agrimonia parviflora</i>	Marshall, 1940
<i>Lespedeza intermedia</i>	Marshall, 1940
<i>Smilacina stellata</i>	Miami, 1940
<i>Lathyrus palustris linearifolius</i>	Miami, 1940
<i>Erysimum cheiranthoides</i>	Miami, 1940
<i>Malus coronaria</i>	Tippecanoe, 1940
<i>Lamium amplexicaule</i>	Tippecanoe, 1940
<i>Jeffersonia diphylla</i>	Tippecanoe, 1940
<i>Marta altissima</i>	Tippecanoe, 1940
<i>Lithospermum orocoeum</i>	Tippecanoe, 1940
<i>Camelina microcarpa</i>	Tippecanoe, 1940

Crataegus mollis	Tippecanoe, 1940
Scirpus smithii setosus	Cass, 1940
Bromus latiglumis	Laporte, 1940
Aristida oligantha	Starke, 1940
Scirpus validus	Howard, 1940
Elymus riparius	Howard, 1940
Carex cephalophora	Howard, 1940
Elymus riparius	White, 1940
Sorghastrum nutans	White, 1940
Phytolites communis	Kosciusko, 1940

February 12, 1941

Dr. Frank T. McFarland
Head of Botany Department
University of Kentucky
Lexington, Kentucky

Dear Dr. McFarland:

Your package of *Solidago* reached me safely yesterday. I have not had a chance to open them but I assume they are in good condition because the package shows no mistreatment. It will be next week before I can get at them because we are tied up with a State Garden Club school this week.

Mackenzie held that *S. odora* should be changed to *S. suaveolens* and I followed him at first but it is generally agreed now that *S. odora* is correct and so I am retaining it (*S. odora*).

The matter of changing nomenclature is a disconcerting thing until you get used to it and then you just let it go and do your best to keep abreast of the changes.

Appreciating the privilege of working with your material,
I remain

Sincerely yours,

Ray C. Friesner

RCF:mb

February 12, 1941

Mr. Paul J. Kramer
Department of Botany
Duke University
Durham, North Carolina

Dear Mr. Kramer:

I am sorry I had the oversight to neglect to point out in the note about exudation in Acer rubrum that the observation was made in February.

Personally, I am unable to understand how root pressure can actually work. That is, I cannot explain it on any physico-chemical basis. On the other hand the fact that there is sufficient pressure on the part of cells somewhere to cause the observed escape of sap through otherwise uninjured bark compels me to recognize root pressure as of more importance than we are prone to accord to it. A fact of no little consequence in this case is the presence of root systems far in excess of what the size of the stem present would have had if it were not for the fact that the stem was in each case a stump-sprout.

I shall be glad to receive reprints of any of your papers.

Sincerely yours,

Ray C. Friesner

RCF:mb

February 20, 1941

Miss Edith Bicknell
12 Knox Street
Rockland, Maine

Dear Miss Bicknell:

The package of herbarium specimens reached me safely yesterday. I appreciate your kindness in sending them because they all represent additions to our herbarium from Maine. Rhus glabra and Pyrenanthes flexuosum are common Indiana plants but I had not collected them in Maine. None of the rest occur in Indiana. Quercus falcata is a rare southern coastal plain plant which comes up the Mississippi and Ohio river valleys to southern Indiana and Ohio.

It looks now as if I shall not get to Maine this summer. I am carrying on some research that will not be able to be left during the month of August. Mrs. Friesner will probably come in June and return to Indiana during my month of freedom from teaching. I hope sometime to be able to spend the entire summer there.

Thanking you again for the specimens, I remain

Sincerely yours,

Ray C. Friesner

RCF:mb

February 24, 1941

Dr. Arthur Horton
Portland Museum of Natural History
22 Elm Street
Portland, Maine

Dear Dr. Horton:

I am sending you a package containing a few herbarium specimens I collected in Waldo and Knox counties (Maine) last summer. These do not duplicate any that I previously sent you but they quite likely will duplicate some you may already have from these counties.

Sincerely yours,

Ray C. Friesner

RCF:mb

February 24, 1941

Dr. Ira W. Clokey
1635 Laurel Street
South Pasadena, California

Dear Dr. Clokey:

I am sending you via prepaid express a package containing 143 herbarium specimens. None of these duplicate those sent earlier either to you or to the University of California. This still leaves me indebted to you to the extent of 15 specimens which I hope I shall be able to secure during the coming collecting season.

Appreciating your cooperation with our herbarium, I remain

Sincerely yours,

Ray C. Friesner

RCF:mb

February 24, 1941

Dr. Frank T. McFarland
Head of Botany Department
University of Kentucky
Lexington, Kentucky

Dear Dr. McFarland:

I am returning your specimens of *Solidago* today. I have appreciated the privilege of working with them. It was my understanding that I was to retain the unmounted specimens and I am grateful to you for them. Two of them were undetermined and I cite their determinations: McFarland no. 4116 was *S. nemoralis* Ait and no. 4126 was *S. ulmifolia* Thunb.

You have two specimens from the barrens that represent extensions of range, viz. *S. nemoralis* var. *longipetiolata* (Mack. and Bush) Steyermark and *S. canadensis* var. *glavocanescens* Rydb. Both of these are prairie species and it is significant that they should be in Kentucky barrens because this same botanical area in southern Indiana contains numerous prairie species.

The specimen you have labelled *S. rupestris* is undoubtedly a depauperate-headed *S. gigantea* var. *lelophylla* (Ait.) Fern. (*S. serotina* Ait.). The axis of the inflorescence and the achenes are densely pubescent while they should be glabrous in *S. rupestris* Raf.

You have an excellent specimen of *S. boottii* in your set. I hope you can locate one for me sometime. I have several specimens of this species but none of mine are very good.

I assure you that it has been a privilege to go over these specimens and I shall be glad to go over the remainder when you may care to send them.

Sincerely yours,

Ray C. Friesner

February 24, 1941

Dr. G. J. Goodman
Department of Botany
Iowa State College
Ames, Iowa

Dear Dr. Goodman:

I am sending you, via prepaid express, a package containing 218 herbarium specimens in fulfillment of my debt to you for specimens you sent us last May. These do not duplicate those we had previously sent you in November, 1938.

Sincerely yours,

Ray C. Friesner

RCF:mb

UNIVERSITY



OF KENTUCKY

LEXINGTON

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF BOTANY

February 25, 1941.

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

My dear Doctor Friesner:

Many thanks for your letter with identifications and valuable comments on the small collection of plants which have just been received. Since there is no way for me to get the postage on them I am enclosing 15¢ for the amount which you used to return them.

I am hoping to get the balance off to you sometime tomorrow and I am afraid that you will faint when you see them. There will be perhaps three boxes of them and I am going to have these shipped by express prepaid and after you have examined them you may return them by express collect.

Mr. Rogers a graduate student collected the *S. Bootii* and he will make an extra good effort or I will next September to get you some fine material of it. If it is abundant enough I shall include it in our Second Century which I hope to be able to get collected and distributed next year. It certainly is a job to make up 25 sets as we did this year and everybody seems to want the set so badly because they have few of the Kentucky plants. I also hope to get into the Barrens quite a bit next season.

Thanking you again very sincerely for looking over these plants and I trust that someday I can do a little bit for you. For your labors, I am going to collect extra plants for you this summer.

Yours very sincerely,

Frank T. McFarland

Frank T. McFarland,
Professor and Head of the
Department.

February 26, 1941

Dr. S. F. Blake
Senior Botanist
U. S. National Herbarium
Washington, D. C.

Dear Dr. Blake:

I am enclosing a carbon copy of the Note of correction I have prepared for the April issue of our Botanical Studies. Since this involves the use of your suggestions to me, I do not feel free to publish it without your approval. I hope you will feel free to express yourself frankly and I will make any changes you may care to have made.

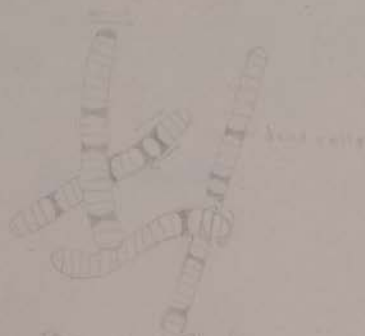
I am greatly indebted to you for your kindness and hope I shall be able to continue to merit your interest.

Sincerely yours,

Ray C. Friesner

RCF:mb

Blue Lycopodium
Onychophora



Head cells

Diagram of Blue Lycopodium
Head shown headward



Leafy branch



Leafy branch

Good specimen

Dark
 Cell

Dark Cells

Diagram of Blue Lycopodium

Em. Lycopodium

February 27, 1961

Dr. Earl L. Core
Curator of Herbarium
West Virginia University
Morgantown, West Virginia

Dear Dr. Core:

I am sending you, via prepaid express, a package containing 91 specimens collected during the 1940 collecting season. These specimens do not duplicate species previously sent by me.

Sincerely yours,

Ray C. Friesner

DEPARTMENTAL LETTERS

1941-1942 - 1942-1943

TO	FROM	DATE
Dr. Lewis S. Rose	Ray C. Friesner	February 27, 1941
California Academy of Science		
Golden Gate Park		
San Francisco, California		
Dear Dr. Rose:		
I am sending you, via prepaid express, a package containing 123 herbarium specimens. This leaves me still indebted to you to the extent of 93 specimens which I hope to be able to secure during the coming collecting season.		
Sincerely yours,		
Ray C. Friesner		

RCF:mb

1-10	February 27, 1941
Curator of Herbarium University of Georgia Athens, Georgia	
Dear Sir:	
I am sending you, via prepaid express, a package containing 98 herbarium specimens collected during the 1940 collecting season. These specimens do not duplicate species previously sent by me.	
	Sincerely yours,
	Ray C. Friesner
RCF:mb	

February 27, 1941

Dr. Henry J. Oosting
Department of Botany
Duke University
Durham, North Carolina

Dear Dr. Oosting:

I am sending you, via prepaid express, a package containing 109 herbarium specimens collected during the 1940 collecting season. These specimens do not duplicate species previously sent by me.

Sincerely yours,

Ray C. Friesner

IC-38
RCF:mb

IC-16

IC-6

February 27, 1941

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

Dear Dr. Krukoff:

I am sending you, via prepaid express, a package containing 90 species of herbarium specimens in triplicate collected during the 1940 collecting season. These specimens do not duplicate species previously sent by me.

Sincerely yours,

Ray C. Friesner

RCF:mb

February 27, 1941

Dr. Frank T. McFarland
Head of Botany Department
University of Kentucky
Lexington, Kentucky

Dear Dr. McFarland:

I am sending you, via prepaid express, a package containing 133 herbarium specimens collected during the 1940 collecting season. These specimens do not duplicate species previously sent by me.

Sincerely yours,

Ray C. Friesner

RCF:mb

Prairie Glen Ranch,
Smithwick, S. D.
March 1, 1941.

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

Dear Dr. Friesner:

For a number of years I have been making the effort to gain a working acquaintance with the Solidagos of the Great Plains region, and especially the more local representatives. Quite a number of them I have growing in my garden, where the long series of dry years has made complete observation difficult. I should say, has prevented it. Many more species and forms I have as herbarium specimens. I have been using the assistance of botanists here and there, locally and as far as Washington and New York, my own taxonomic training being "pick-up" and not at all what I like to depend on.

No one, however, has assisted with the entire collection except Dr. R. Rapeman. For a period the collection as it then stood was loaned to the South Dakota University, when a student there was doing thesis work in the subject. Rather presumptively on my part, I am willing to say, any given set of identifications was never completely satisfactory to me, and as to the findings that were made at the University, they were unsatisfactory in several instances. If the collection was not out of the University during the time it was loaned, the work was, it is fair to say, done by Dr. C. Biddulph. Then, as Dr. Rapeman had assisted me in many lines, including Solidago, I asked him to check the collection, somewhat added to by then. I am personally acquainted with Dr. Rapeman, have visited in his home and he has visited me and we have botanized together in both localities. Without reflection, Dr. Rapeman is very old and he has developed a habit, so it appears, of more or less dropping a subject when the problem involved becomes too confused. So, reporting on some of my sheets, he said, "I can do nothing with them." It was in some cases not a fault of the specimen, it seemed to me.

When I found through the bulletin of the Taxonomists' Society that you were doing research in this group I wished to have you check my collection. Prof. McIntosh, of the state School of Mines, Rapid City, recommended you highly.

As these numbers are those over which in many instances I have labored long I would be loath to present them to you, but I have duplicates of some and would undertake to collect specimens of others you might desire, and I would be willing to part with any particular specimen that could not be duplicated, if any, that might be of particular value to you.

As the subjects stand at present they are grouped under the heads of:

SS. altissima
canadensis
gilvocanescens
glaberrima
Hapemanniana
missouriensis
mollis

salebrosa
serotina
trinervata
wardi
uliginosa

"multiradiata-scopulorum"
nemoralis
pallida
pulcherrima
rigidiuscula

I have also two or three Euthamias
and a Gutierrezia.

(About 40 sheets.)

If you wish to see this material I will be glad to pay transportation
both ways and to reimburse as suggested, or by making further collections
or in any other way. Dear Sir,
Very truly,
Claude A. Davis

March 3, 1941

Mr. Claude A. Barr
Prairie Gem Ranch
Smithwick, South Dakota

Dear Mr. Barr:

Your letter of March 1 is at hand. I shall be very glad to go over your specimens of Solidago including those of the Euthamia group. I would not think of remuneration except for a specimens of each species of duplicates you might be conveniently able to send now or at some future time.

You may send your material at your convenience and I will return it as soon as I can find the time to work it up. Just now I have a large collection of Wisconsin species to be determined and Dr. McFarland of the University of Kentucky is sending several hundred this week. It thus may be 3 or 4 weeks before I can get your specimens back.

I am sending you a copy of my Solidago key which is now somewhat out of date but it may help you some.

Sincerely yours,

Ray C. Friesner

RCF:mb

71-10000-10000

71-10000-10000

71-10000-10000

71-10000-10000

March 3, 1941

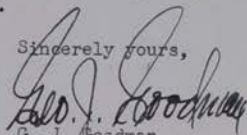
Ray C. Friesner
Department of Botany
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

The carton of herbarium specimens has arrived in good condition, and we are crediting you with 218 specimens on our exchange account.

Thank you for the material. I will try to get a package off to you this spring.

Sincerely yours,


G. J. Goodman
Assistant Professor

GJG:W

THE NEW YORK BOTANICAL GARDEN

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

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HENRY DEF. BALDWIN
JOHN L. MERRILL

TREASURER
ARTHUR M. ANDERSON

DIRECTOR
WILLIAM J. ROBBINS

March 3, 1941

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

Dear Dr. Friesner:

Acknowledgement is made of the receipt of your letter of February 27th, and of the package with ninety (90) specimens in triplicate. Please look up your records and let me know how many specimens I owe you.

On March 16th I am leaving for a brief trip to the Amazon. I expect to be back by the end of April.

Sincerely yours,

B. A. Krukoff
B. A. Krukoff

Bak/Jd

UNIVERSITY



OF KENTUCKY

LEXINGTON

COLLEGE OF ARTS AND SCIENCES
DEPARTMENT OF BOTANY

March 4, 1941

Dear Dr. Friesner:

Many thanks for your card informing me of the arrival of the Solidago sheets which was brought to me here at the Hospital. I am most old man^{is} the reason why I am here. Came in Saturday night & operation sometime the latter part of the week, so I will be in for a vacation of 3 to 4 weeks & there is no especial hurry to get the plants back to us. Please send them after your examination by Express Collect.

After getting out of here I hope to get the Century collated & ready to go. Your 133 sheets arrived yesterday, and would liked to have seen them before they went to the mounters.

Very many thanks for your trouble in going over the plants, I am

Very sincerely yours

Frank W. Farland

THE NEW YORK BOTANICAL GARDEN

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March 4, 1941

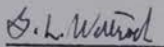
Dr. R. C. Friesner
Butler University
Dept. of Botany
Indianapolis, Indiana

Dear Dr. Friesner:

We have received today in good condition
one (1) package containing 117 specimens from Maine
and Indiana as mentioned in your letter of February
16 to Dr. Robbins.

We indeed thank you very kindly for the
interesting material and have accredited this to your
exchange account with our institution.

Very truly yours


G. L. WITTRICK
Custodian of the Herbarium

GLW:BN

IRA W. CLOKEY
1635 LAUREL STREET
SOUTH PASADENA, CALIFORNIA

March 4, 1941

Dr. Ray C. Friesner
Botanical Department
Butler University
Indianapolis, Ind.

Dear Dr. Friesner:

The package of 143 beautifully prepared specimens received and are much appreciated. They make a valued addition to my herbarium and at the same time to that of the University of California.

Many of these are old friends as my home was at Decatur, Ill. where I collected over 40 years ago.

Owing to illness last spring I was unable to do much collecting so am waiting until next winter to get out another set of plants with printed labels for wide distribution. One of these will be sent to you when ready.

I wish to again thank you for the Studies from your Department.

Sincerely yours,

Ira W. Clokey

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

DEPARTMENT OF BOTANY AND ZOOLOGY

March 5, 1941

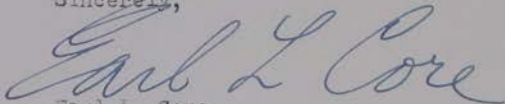
Dr. Ray C. Friesner
Department of Botany
Butler University
Indianapolis, Ind.

Dear Dr. Friesner:

The package of herbarium specimens arrived in good condition and proved quite interesting, as usual. During the 1941 season we shall lay out a set for you and will forward them sometime during the summer or fall.

Yesterday the manuscript of your Solidago paper went to press and I hope soon to be able to send you the galley proof. I want to include it in not later than the May issue of Castanea, so that it will be available for use this summer.

Sincerely,



Earl L. Core
Curator of the Herbarium

ELC/eab

LEWIS SAMUEL ROSE
2165 JACKSON STREET
SAN FRANCISCO, CALIFORNIA

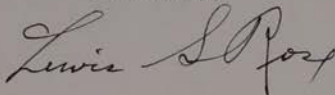
March 6, 1941

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

Dear D. Friesner:

Many thanks for the valued collection of plants that I have just received. I am always glad to have your plants, and am in no hurry about evening up exchanges. I have put aside another package of my collection for you, consisting of species and varieties which I have not sent you before. I shall be glad to send them to you if you will drop me a card letting me know if you should care to have them.

With kindest regards,
Sincerely,



California Academy of Sciences,
Golden Gate Park,
San Francisco, Calif.

March 7, 1941

Mr. Gershom Walden
1 Simonton Road
Camden, Maine

Dear Mr. Walden:

I am sending you via prepaid express 2 dendrometers for attachment to two of the white pine trees we looked at last summer. On page 17 of the book enclosed, you will find a diagram which will probably help in setting the apparatus up. You may need to cut deeper slits in the bars which hold the dendrometers.

After you have them attached and they have stood for a day or two, adjust the pointers to read about 20 mm so that any losses can also be noted in future readings. They should be read at about the same hour on the same day each week. In case you cannot make it on one day, the next day will be all right but should be dated to show the change. I will send you some postals on which you may report the readings to me each week.

The book may be returned when you are thru with it. The carton is already labelled and stamped but you will need to paste the enclosed label on the package in order to avoid first class postal rate.

I hope this will not entail too much work for you.

Sincerely yours,

Ray C. Friesner

RCF:mb

Dear Sir

I shall be very obliged to you, if you would have the kindness to help me in my work concerning the crossing cultivated plants to their wild relatives.

I beg you to send me at your convenience some seeds of *Elymus* species that may be in your disposition. In particular of species: *E. condensatus*, *E. vancouverensis*, *E. aleuticus*, *E. mollis* and furthermore some seeds of wild annual and perennial species of *Vicia* and wild *Avena* species

Thanking you in anticipation for fulfillment of my request I remain

Yours faithfully,
11/11-1941. Victor Pissarev

Moscow - Nemtschinowo,
Institut sernowogo Khozjastwa
(Grain-Farming Institut)
prof. dr. Victor Pissarev
Pissarev

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The Mitchells have been printing over 80 years

11 - III - 41
from Mitchell to Lloyd

Wm Mitchell Printing Co.

EDITION PRINTERS AND BINDERS

Greenfield, Indiana

March 11, 1941

To Dr. Friesner

Mr. John S. Lloyd,
Purchasing Committee
Butler University
Indianapolis, Indiana

Dear Mr. Lloyd:

Dr. Friesner has another volume of "Butler University Botanical Studies" ready to print and he stated that he wishes delivery early in April.

We take it that you desire price on the work he has outlined and we shall try to give you as intelligent a price as we possibly can. It is necessary that we go through the MSS and estimate the number of type pages ~~the~~ pamphlet will run. We have done this. There are a number of tables in the book and it is most difficult to estimate the amount of time required to put these tables in type. However, we are giving you here in an estimated price in round numbers and when the time sheets come through we may be able to reduce this price or it may be necessary to increase the costs. However if this arrangement is not satisfactory, please advise and we shall go into this matter and try to reach a definite cost. Dr. Friesner desires the following:

1,000 pamphlets Botanical Studies, Vol IV, papers 1 to 8, 100 pages plus cover.



Operating The Old Swimmin' Hole Press



Hunt Institute for Botanical Documentation

n-III-41
from Mitchell
to Lloyd

300 pamphlets	Palmer	- 32 pages and cover.
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Price for the 1000 pamphlets 100 pages and cover, set in 6-8 point type, printed throughout on 70 pound Warren Cumberland English Finish book, cover 65 pound Beckett Antique Cover, blue, saddle wire stitched and trimmed flush to 6x9 inches; together with the 8 additional pamphlets will cost around \$397.50.

We trust this will be satisfactory and hoping we have the pleasure of serving you, we remain,

Very truly yours,

WM MITCHELL PRINTING COMPANY

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John F. Mitchell, Jr.

JFM:J

BEAUTIFUL
NATIVE PLANTS
FROM THE
HIGH PLAINS, BADLANDS
AND BLACK HILLS

CLAUDE A. BARR

PRAIRIE GEM RANCH
SMITHWICK, S. D.

March 12, 1941.

NATIVE
ROCK PLANTS
HARDY PERENNIALS
CACTI AND BULBS
SEEDS

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

49,34,22

Dear Dr. Friesner:

I am very glad to have your letter directing the sending of the specimens of Solidago. The package is ready and will go out probably Saturday.

Certain notes that may be of interest are included, but I may say that some of them were intended for my personal consumption rather than as indicative of extreme freedom in passing on confidences of those who have previously given me generous and painstaking advice.

If you will place a check mark beside the red penciled number of each specimen you care to have a duplicate of I shall return as many as possible at once, and make every effort to collect the others the coming season.

Thank you for the Solidago key. I shall study it. Postage is enclosed for the return.

Very sincerely yours,
Claude A. Barr

standing
"TEXAS GRASSES"

W. A. SILVEUS, Author and Publisher
832 Cambridge Oval

SAN ANTONIO, TEXAS,

Mar. 16-41

193

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

Dear Prof. Friesner;

Chas. C. Deam tells me that you or Dr. Kriebel would have *P. deamii* etc. I would like to have both vernal and autumnal forms of the following (if you have them to spare enough for three specimens of each form).; *P. deamii*, *P. calliphyllum*, *P. praecoxius*, *P. subvillosus*, *P. scoparioides*, *P. wilcoxianum*, *P. malacophyllum* and autumnal forms of *P. liebergii*, and *P. boreale*. If I will exchange you others for these or pay for them. If you do not have the following to spare I would be glad to borrow them for the following for a week or so; *P. wilcoxianum*, *P. praecoxius*, and autumnal forms of *P. liebergii* and *P. boreale*. I hope to have my book ready for the press sometime next fall. I will be grateful for any of the above specimens.

Yours sincerely,

W. A. Silveus



Portland Society of Natural History

22 ELM STREET

PORTLAND, MAINE, U. S. A.

March 20, 1941.

Dr. Ray Frisner, Professor Botany
Butler University
Indianapolis Indiana.

Dear Dr. Frisner:

I extend the thanks of this Society to you, for the collection of Maine plants received some time ago. These will all be useful.

I will enclose return postage. Perhaps you can pardon this late reply to your generous gift.

We were sorry that you were not able to be at Camden last summer when the Botanical Society met at Belfast.

Very truly yours

Arthur H. Norton

Arthur H. Norton.

THE UNIVERSITY OF GEORGIA
DIVISION OF BIOLOGICAL SCIENCE
ATHENS, GEORGIA

BOTANY

March 20, 1941

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

Dear Dr. Friesner:

We received the package containing 107
Herbarium specimens (instead of the 98 you reported).
They arrived in good condition.

We will attend to sending you another
shipment sometime in the near future.

Sincerely yours,

Wilbur H. Duncan

Wilbur H. Duncan, Instructor
Department of Botany

WHD:kra

THE UNIVERSITY OF KANSAS
LAWRENCE

DEPARTMENT OF BOTANY

March 26, 1941

Dr. R. C. Friemur.
Butler University
Indianapolis, Ind.

Dear Dr. Friemur:

I am shipping a bundle of plants to you. I hope that they will be of some use to you. If convenient I would like to know what you call them if, and when, you get around to look them over.

I hope to spend considerable time in the field from now until late next fall. If there is anything I can get for you I will be glad to do so.

Very truly yours W. H. Hoss

26-III-41

W. H. Herr Dept. of Bot. U. of Kansas
Lawrence Kansas

11. *Solidago gymnospermoides* (Greene) Fern.
10. *Solidago glaberrima* var. *moritura* (Steele) Palmer + Steyermark
9. *Solidago altissima* L.
8. *Solidago ulmifolia* Muhl.
7. *Solidago glaberrima* Martens
6. S " *ulmifolia* Muhl
- 5 " *altissima* L
- 4 " *nemoralis* var. *longipetiolata* (Mack. + Bush)
- 3 " *glaberrima* var. *moritura* (Steele) Palmer + Steyermark
2. Prob. *S. altissima* L.
- 1 *S. glaberrima* var. *moritura* (Steele) Palmer + Steyermark

March 27, 1941

Dr. R. A. Silveus
832 Cambridge Oval
San Antonio, Texas

Dear Dr. Silveus:

I am sending you 3 specimens each of Panicum leiberii and P. boreale and am sending loan sheets of P. subvillosum and P. praeoccidius. We do not have any of the other species in our herbarium. I am sorry that we can fill so small a part of your request.

I am writing to Mr. Kriebel asking him to send you any of the remainder that he may have in his herbarium and will also consult Mr. Scott McCoy who is assistant curator of our herbarium and who has a private herbarium in his home.

Sincerely yours,

Ray C. Friesner

RUF:mb

March 27, 1941

Mr. Ralph Kriebel
Soil Conservation Service
Bedford, Indiana

Dear Ralph:

We have a request for certain species of *Panicum* from Dr. W. A. Silvens, 832 Cambridge Oval, San Antonio, Texas. He wishes 3 specimens of each, if available for trade, or a loan, if you have none for trade. The following species from his list remain after we have sent all we can and I am wondering whether you might be able to help him any. If so, I am sure he will appreciate it and you will be doing a favor to the "cause".

The following species are desired: *P. deamii*, *P. calliphyllum*, *P. scoparioides*, *P. wilcoxianum*, *P. malacophyllum*.

Sincerely yours,

Ray C. Friesner

March 31, 1941

Curator of the Herbarium
Notre Dame University
Notre Dame, Indiana

Dear Sir:

Some time ago, at the request of Mr. Charles C. Deam, all species of *Chenopodium* from our herbarium were sent to you for determination in connection with the preparation of manuscript for Deam's "Flora of Indiana".

I am writing to ask whether these could now be returned in order that our herbarium may be complete with respect to species cited in the "Flora".

Sincerely yours,

Ray C. Friesner

McKague, Sask.
Apr. 8. 1941.

Dear Mr. Friesner:-

I have seen your name in the recent issue of the Naturalist Directory. I am also interested in Goldenrods and wish to exchange with you. I have not much at present but will collect a great deal this summer. For the past 3-4 years I was making extensive collections in the willows.

I guarantee to put up very good specimens. I had a letter from a large college which do considerable exchanging and they told me mine were the best exchange material they received. Of course that included a lot of other things besides willows.

Please write me and let me know if you will exchange Goldenrods with me next fall or winter, also any Oak, maple, Willows, Delphiniums, etc that you wish to collect or that your Un. may have by next fall, and will your Un. accept miscellaneous plants from Sask. besides Goldenrods.

Hoping to hear from you soon.

Yours Very Truly,

August J. Britting, a flower friend.

Mutton Bay, P. I.

July 9, 1927.

Crack in granite cliff.

Polium (Ait.) Gray.

From Breitung
Fraser

8-IV-41

WILLOWS OF SASKATCHEWAN.

by

A. J. Breitung, McKague, Sask. Mar. 1941.

- Salix amygdaloides* And.
S. arbusculoides Anders.
S. Pebbiana Sarg.
S. Pebbiana Sarg. var. *perrostrata* (Rydb.) Schn.
S. brachycarpa Nutt.
S. candida Fluegge
S. candida Fluegge var. *denudata* And.
S. candida x *petiolaris* ?
S. cordata Muhl.
S. cordata Muhl. var. *angustata* And.
S. cordata Muhl. var. *platyphylla* Ball ?
S. curtiflora And. (Sask.)
S. discolor Muhl.
S. discolor Muhl. var. *princeps* And.
S. exigua Nutt.
S. glauca L. var. *glabrescens* (And.) Schn.
S. glauca glabrescens x *pedicellaris hypoglauca* ?
S. gracilis And. (Sask.)
S. Hookeriana Barratt (Sask.)
S. humilis Marsh?
S. interior Bowlee
S. interior Bowlee var. *pedicellata* (And.) Ball
S. interior Bowlee var. *Wheeleri* Bowlee
S. lasiandra Benth.
S. lutea Muhl.
S. lutea x *petiolaris* ?
S. lucida Muhl.
S. lucida Muhl. var. *angustifolia* And.
S. lucida Muhl. var. *intensa* Fern.
S. MacCalliana Bowlee
S. Mackenziana Barratt
S. melanocarpa Nutt (Sask.)
S. myrtillofolia And.
S. myrtillofolia And. var. *brachypoda* Fern.
S. pedicellaris Nutt. var. *hypoglauca* Fern.
S. pellita And.
S. petiolaris Smith
S. planifolia Pursh.
S. planifolia Pursh. var. *Nelsonii* Ball.
S. pseudomonticola Ball
S. pyrifolia And.
S. Saskatchewan Barratt (Sask.) (*S. arbusculoides*?)
S. Scouleriana Barratt
S. serissima (Bailey) Fern.

(Sask.) Recorded from Saskatchewan in "Flora of the Pr. & Pl. of N. A." Rydberg (1932). Not collected by the writer nor Dr. W. P. Fraser of the University Of Saskatchewan, Saskatoon.

Salix humilis Marsh was so determined by C. P. Ball first, then latter thought it might be *S. Pebbiana* Sarg. It is only a small specimen represented in my herbarium, collected by W. P. Fraser in Prince Albert National Park, Aug. 29, 1938. Underside of the leaves densely white woolly, shallowly crenate, with teeth directed outward, petioles short.

Other species are listed from Saskatchewan, Sask. in Journ. Am. Bot. 1936.

"TEXAS GRASSES"

W. A. SILVEUS, Author and Publisher
832 Cambridge Oval

SAN ANTONIO, TEXAS. April 16-41 193

Mr. Ray C. Riesner,
Department of Botany
Butler University,
Indianapolis, Indiana.

Dear Mr. Riesner;

I returned your two specimens, *P. praecocius* and *P. subvollosum*, today. I am enclosing stamps to cover the postage from your place to San Antonio, Texas. You always have such nice specimens correctly determined. The best I have received from any one. I hope to do a better job on mine in the future.

I wish to repay you in some way for these plants. * *P. helleri*, *P. oligosanthos*, *Bromus catharticus* (rescue), * *B. tenensis*, *Phalaris caroliniana*, *Melica nitens*, are out now. If you wish any of these let me know and will collect them for you.

I have my manuscript ready now for my trip to Washington, D.C. I will leave here about June 5th and go by Florida and Asheville to Washington- will spend about a week there. Wish to check over manuscript withretwhere I have more material. Hope to be ready for the printer by next December.

Yours sincerely,

W. A. Silveus

* Do not have at all
O Have but not from Tex
← Have from Tex

The Herbarium of August J. Breitung

10-14-11

PLANTS OF SASKATCHEWAN

August J. Breitung, Coll.

No.

April 18, 1941

Mr. August J. Breitung
McKague, Saskatchewan

Dear Mr. Breitung:

Your letter regarding exchange of herbarium specimens is at hand. I shall be glad to exchange plants with you and will appreciate any species you may send. I am sending you, via prepaid express, a package containing 248 specimens. This includes 28 species of Solidago.

Some of my specimens are poor and I shall be glad to have you send me approximately 200 in exchange. Please feel under no obligation to send them by any specified time.

Sincerely yours,

Ray C. Friesner

RCF:mb

Columbia University
in the City of New York

DEPARTMENT OF BOTANY

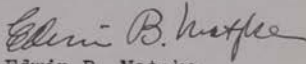
April 18, 1941

Prof. Ray C. Friesner
Butler University
Indianapolis, Indiana

Dear Prof. Friesner:

An assistantship in this department will be open during the next academic year, 1941-1942. The teaching will consist mostly of assisting in the general course in elementary botany and probably of helping with some work in ecology and perhaps morphology. It will be preferable to have the candidate interested in some phase of morphology for his research. The stipend is \$1000, plus free tuition. The appointment is made for one year, subject to renewal if all are satisfied, and may continue for the normal time required to complete the work for the doctorate. If there is anyone in your department whom you would care to have considered for this position, will you please ask him to submit a transcript of his record, recommendations, and a recent photograph?

Sincerely yours,



Edwin B. Matzke

EBM:b

Kokomo, Indiana, Apr. 18, 1941. from EK
1812 No. Purdue St.

My dear Dr. Friesner: -

I made a trip to the Shick woods today and stood the wheel side better than I expected - a good wind to face coming home and a mile of rocky roads. The usual spring flowers are there. I was certain that I could get started on those squares enclosed by wire - But strange to say - believe me - I couldn't find a single stake!

I thought the N. line was about 100 ft. S. of fence, + straight west - I made a slow trip west - then back - east then west again but never found a single wire.

The only plants grown up to cover up are Dutchman's breeches - a good dense patch here + there - Maybe Evans slipped back + pulled them all up!! - I shall have to ask you for the key - 1. distance from N. fence - 2. distance from E. line to 1st square + 3. distance apart.

If once started, it will surely be easier - well
I was chagrined - flabbergasted - not to find
a wire - I looked carefully - True they are
not easily seen - They were put pretty close to-
town - I remember of raising several that
were almost under the leaves - - I had
pencil - took along - but never made a scratch!
It's early. Plenty of time - Of the flowering plants
I think I knew all - i.e. the early ones - & some
of late ones - by leaves - These would solve them-
selves as the weeks pass. I had hoped to get
started & never dreamed of such a woof failure.
Of course my eyes are bad - I had a date once
& had to cancel it - General health & nerves were
below normal - Had a break in Feb-Mch - Finally
got 1 tooth out - my ears worked on - Then
about Apr. 1, a slight cold, raw throat & cough -
Think I can be good enough to get glasses next
week - in diffy - I read pretty well - it's the
long distance & the ground beneath me or near me
that is indistinct - Don't know whether glasses
can remedy this or not - May be congenital - or
"in the head" - high blood pressure - That may
account for part of my great failure.

If my eyes - or nerves or cerebrum
doesn't improve - I'll not be able to see and
find + collect the way I did in 1939-1940.
I'd like to make 1941 a good year. My lower
or reading part of lens is fairly good yet - It's
the upper part that I so badly need. - When
I get new glasses - I'll try again. - In the
meantime - you can send me the Key.

I also went over to other line among the
maples. - Wasn't surprised not to find
any for this line was farther from the
S. line.

I trust that when the Friesner-
Butler Band-Wagon comes along in
front of 1812 - and sounds the familiar
toot-toot that old grandpa Ek, with his
2-can armor + press will be ready -

With Best Wishes,

Very Sincerely Yours
Chas. M. Ek

Am addressing this to Dr
Petty - My letter to you
was an after thought - needs
I today's label to check work.
S. G. C.

WORTHY AMERICAN BEACHES

Locality of Collection:

State.....
 County.....
 Distance....., direction.....
 from nearest town or Post Office to site
 of collection.
 Town (or P.O.) is:

Approx. elevation.....

Habitat (check):

- () Ridge top
 () Rolling upland
 () Steep slope
 () Bottom lands
 () Flatwoods

Height of Tree.....ft.

Abundance in area.....

This specimen collected from

- (check): () Top of tree
 () Middle branches
 () Bottom branches

- and in () Full Sun
 () Part Shade
 () Full Shade

Collector's number.....

Date.....

Notes.....

Collector's Name and Address:

Return to: W. H. Camp, New York Botani-
 cal Garden, Fordham Branch P. O.,
 New York, N. Y.

THE NEW YORK BOTANICAL GARDEN

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

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DIRECTOR
WILLIAM J. ROBBINS

from Camp
April 18, 1941.

Mr. Ray C. Friesner
Butler University
Indianapolis, Indiana

My dear Mr. Friesner:-

It has recently been recognized that the problem of the American Beeches (Fagus) is somewhat more complicated than generally expressed in our current treatments. As is usual with wide-spread and common plants, our herbaria do not contain an abundance of critically collected material, at least not in sufficient quantity to arrive at any definite conclusion concerning the ancestral forms and their more recent migrations. We are attempting a definitive study of the various forms of the American Beech and therefore ask that you cooperate in this undertaking by making collections from your region, or those easily accessible to you, during the current field season.

Finding that beech flowers vary considerably from region to region in the United States and Canada we are especially desirous of having flowering branches with their immature leaves and fruiting branches with mature leaves, both collected from the same tree. If you can find opportunity to do us this favor, we suggest that the trees be marked in some manner so that there is no possibility of confusion between the Spring (flowering) and late Summer or Autumn (fruiting) collections from several individual trees. This matter is exceedingly important for two forms, superficially similar but quite distinct on careful study, may often be found in close association.

Also, if the trees which you have selected for flowering material do not bear fruit this autumn, please do not throw the flowering material away, but collect the sterile branches with their mature leaves, merely noting that the flowers did not set fruit. Such collections may shed a great deal of light on the known spotty nature of sterility in Fagus.

Then, there is another matter which might be watched. Are certain trees in your locality notably later in coming into flower than others, due regard being taken for exposure, etc.? It is altogether possible these may represent different genetic types and

-2-

should be included in the collections. Differences in bark and twig color are also frequent indicators of genetic group-differences, these in turn being correlated with flower, fruit, and leaf characters.

And again; if the press of duties makes it impossible for you to obtain both flowering and fruiting material, do not hesitate to make the collections at any time during the field season when the opportunity is afforded. We are anxious to get material from anywhere, in any stage of development, and in as large a quantity as possible, for we are primarily interested in the spread of variation within large populations.

The field labels, sent for your convenience, are to assist in standardizing our data. If more can be used, they will be gladly furnished on application. Pencil, rather than ink, will work best on the labels.

We will be glad to reimburse you for your postal costs on the shipments. Also, an analysis of your material will be furnished at the completion of the study. We therefore suggest that you keep numbered duplicates of your material if you care to follow up the problem.

Sincerely yours,

W. H. Camp
W. H. Camp.

WHC/BP

P.S. It is possible that there are no beeches in your immediate vicinity, or easily available. It is, however, likely that your field work will take you into some area where material may be found. Such collections, in addition to the regular study of their genetic type will often yield valuable outpost stations in the distribution of the genus.

W.H.C.

I hate to interfere with the Solidago problem, but maybe you can take a little time off to snatch a few fresh specimens.

April 18, 1941

Dr. W. A. Silveus
832 Cambridge Oval
San Antonio, Texas

Dear Dr. Silveus:

Your letter regarding return of specimens is at hand. The specimens have not arrived yet, but no doubt will be here in a day or so. I am returning the stamps because we are amply repaid by specimens you have sent us in the past.

Of the list you mention as not being in flower we would be glad to have the following, in case it is convenient for you to collect them.

Panicum helleri: we have no material of this species
P. oligosanthes: we have, but not from Texas
Bromus tenensis: we have no specimens
Melica nitens: we have, but not from Texas

The others we have including Texas specimens. We shall be looking forward to the purchase of a copy of your revised book.

Sincerely yours,

Ray C. Friesner

RCF:mb

April 22, 1941

Dr. W. H. Camp
New York Botanical Garden
Bronx Park (Fordham Branch P. O.)
New York, New York

Dear Dr. Camp:

Your communication regarding the collection of material of Pagus grandifolia is at hand. Immediately after receipt of your letter yesterday, I went out on our campus and collected material in full flower from three trees. This material is now in the drier and I will try to get similar material from other trees here and from as many other parts of the state as I can.

Unless I hear from you to the contrary I shall hold the early material until I can match it with the later material from the same tree. I collected abundant number of specimens from each tree and so could send some now and hold others for correlation if it were of any advantage to you.

Please don't take time to acknowledge this unless you wish some of the material now.

Sincerely yours,

Ray C. Friesner

RCF:mb

April 22, 1941

Professor Edwin B. Matsko
Department of Botany
Columbia University
New York, New York

Dear Dr. Matsko:

Your letter regarding an assistantship in your department for next year is at hand. I am sorry that we do not have any students graduating this year who could qualify for this opening. This is an off-year for us in this regard, but next year we will have at least three, or perhaps four, high calibre students graduating with major in botany. If you should have an opening then we would be glad to recommend one or more of them for your consideration.

I appreciate the honor you bestow upon us in writing regarding this opening.

Sincerely yours,

Ray C. Friesner

RCF:mb

THE NEW YORK BOTANICAL GARDEN

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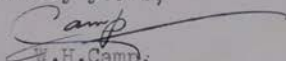
April 25, 1941

Dr. R. C. Friesner,
Dept. of Botany,
Butler University,
Indianapolis, Ind.

My dear Friesner:

No, it is not necessary to send any of the material at the present time, but I can't possibly let such a thoughtful and time-saving gesture as yours go unheeded. I therefore write only to thank you for your kindness and to express to you our indebtedness for the trouble to which you have already gone and-- being without conscience-- the hope that you will be further inconvenienced in the matter!! In short, in the population analysis which we are undertaking, it is our hope to see as much material from as many localities as possible.

Cordially yours,


W.H. Camp,
Assistant Curator

WHC/AM