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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.

July 3, 1945

Mr. Duane Isely
Seed Laboratory
Iowa State College
Ames, Iowa

Dear Mr. Isely:

On this afternoon mail I am returning the specimens of *Solidago* which you sent recently. Your determinations are all correct except those which you have labelled *Solidago rugosa*. These are also *S. altissima*. There are no specimens of *S. rugosa* in the lot. You have done a very good job determining them from the tops only. I would not like to undertake to determine specimens which I did not know pretty well to start with without the whole plant.

The specimen labelled *S. graminifolia* is the var. *S. g. var. nuttallii* (Greene) Fernald.

I am sorry for the delay in getting to these specimens. They reached me at the start of our new summer semester and you know how little time one has to do anything else for the first week or two of any new term.

I appreciate the privilege of going over this material.

Sincerely yours,



THE UNIVERSITY OF OKLAHOMA

NORMAN · OKLAHOMA

July 9, 1945.

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

Dear Dr. Friesner:

Recently my attention has been called to the fact that you sent some plant specimens to this department sometime ago. Unfortunately our search for these plants has resulted in vain. There is a slight possibility, however, that your package may have been forwarded to Professor Hopkins in New York before my return to the campus. I shall write Professor Hopkins to ascertain whether or not he received the plant specimens you sent.

Please accept my sincere apologies for this most unfortunate incident and I hope that the matter will be clarified within a few days.

Very truly yours,

A handwritten signature in cursive script that reads "Howard W. Larsh".

Howard W. Larsh,
Associate Professor.

HWL:es

IOWA STATE COLLEGE

SEED LABORATORY

AMES, IOWA

Iowa State College of Agriculture
and U.S. Department of Agriculture
Cooperating

July 10, 1945

Agricultural Experiment Station,
Agricultural Extension Service
and Departments of Agronomy
and Botany Cooperating

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

Dear Prof. Friesner:

Your recent letter and the specimens of Solidago
are at hand. Many thanks for looking this material over for me.

I was interested to note that all of my rugosa
was in reality altissima. Apparently I do not
have a clear enough concept of when a Solidago
leaf is 3-nerved and when it is not. I suppose,
like many other diagnostic characters it is not
entirely dependable, and requires experience in
interpretation.

Sincerely yours,

Duane Isely
Duane Isely

Dear Dr. Friesner,

I am very late in thanking you for the *Butler University Bulletin*. But I am very glad to have the article about you, and thank you much for sending it.

As perhaps you know, the state and the University of Ohio refused to take any responsibility for the building and collections in the *Knox Arboretum* buildings, so there seemed nothing to do but to dispose of every thing, as the opportunity arose. It is a shame.

I have fallen heir to part of the *herbarium*. Some plants are hard to destroy, because of worms; some I shall keep for my own *herbarium*; many I am giving away. I think you told me that

you do much exchanging of plants.
Would any of those on the enclosed
list interest you? They are very common,
but they are well-pressed and
mounted by Prof. Leonard.

With all good wishes for you and
your wife.

Yours sincerely,

Edith Picknell.

P.S. As I am scarcely able to move, for
plants underfoot, I'd appreciate hear-
ing from you as soon as possible.

S.B.

12 Thayer St.

Rockland, Me.

July 27, 1945

VILLE DE MONTRÉAL



CITY OF MONTREAL

JARDIN BOTANIQUE DE MONTRÉAL
MONTREAL BOTANICAL GARDEN
4101 EST. RUE SHERBROOKE
MONTRÉAL

July 24th, 1945.

Dr. Ray C. Friesner,
Dept. of Botany,
Butler University,
Indianapolis 7,
Indiana, U.S.A.

Dear Dr. Friesner,

I wish to thank you for the two copies of the reprint of your paper: "Key to species and varieties of fern and fern allies of northeastern North America", which you were good enough to send us.

I am very glad to have these and I shall take one of the copies with me on my vacation.

I do hope that you will not hesitate to call on us if ever there should be an opportunity where we can return this favor and be of service to you.

Very sincerely yours,

H. Teuscher

Henry Teuscher, curator,
Montreal Botanical Garden.

FD.

July 26, 1945

Dear Miss Bicknell:

Thanks for your letter of the 24th. I am sorry that the Knox Arboretum collections must be dispersed. It would seem that some in the area could donate enough money to keep the museum going and put on an educational program. I suppose you have already sent all that would not duplicate those already there to the Portland Museum. Now that Mr. Norton is no longer living there may not be the interest there, either.

I have checked your list with our herbarium and with my exchanges and find that I can use every species you have listed. Those I have checked could be used in our Butler University Herbarium and those I have designated with a cross could be used for one or another of my exchanges. I am sorry that I do not have funds from which to pay you for them. If you can some way manage to package them I will be glad to have you send them by express collect or, in case you care to send them by parcels post, I will be glad to refund the amount of the postage.

It is too bad you could not save them until I could come to Maine and bring them back with us. The time when we can get there again is still uncertain but we are certainly looking forward to it.

We are having a good summer here. The summer school enrolment is good and the session is nearly over so that a vacation is in the near future for us.

I hope you will not overdo in the matter of disposing of this material.

Thanking you for your interest in our work, I remain

Sincerely yours,

PERSONAL LETTER

August 8, 1945

Dear Miss Bicknell:

Your package of herbarium specimens reached us in excellent condition yesterday. I have gone over them and find that they are all of very high quality. Most of them I have kept for our own herbarium and most of the remainder have been placed in the collection we are preparing for the University of Washington.

I am enclosing postage to reimburse you for the mailing cost insending them to us.

I feel that it is too bad that such a good herbarium had to be dismembered, but there is some consolation in the fact that the specimens will still be of value in other herbaria.

Thanking you again for your kindness and hoping that I may be able to return the favor, I remain

Sincerely yours,

Ray C. Friesner

THE HERBARIUM OF THE UNIVERSITY OF MICHIGAN
MUSEUMS BUILDING, ANN ARBOR, MICHIGAN

To Ray C. Truesner
Baylor University
Indianapolis, Ind

Date Aug 10, 1945

Number of packages 1

Prepaid X Collect _____

Shipped by Parcel Post ☐ Express ☒
Freight ☐

The Herbarium of the University of Michigan is sending you herbarium specimens as indicated here: Gift _____
Return of borrowed material _____ Exchange X For identification _____ Loan _____

Note concerning loaned material:

Return of this loan is expected before _____ by prepaid express or parcel post. Extension of this period may be granted on request. The herbarium will be glad to receive a copy of the publication in which these specimens are mentioned. All material included in this loan must be returned at one time. Packing should be carefully done to avoid breakage of specimens. The blue duplicate sheet is to be signed and returned immediately upon receipt of the material. The pink duplicate sheet is to be retained by the borrower as a record of the loan and is to be mailed under separate cover when the specimens are returned. The pink duplicate will be returned to the borrower when the returned loan has been received and checked, indicating cancellation of the loan.

Description of Specimens

187 specimens of Arizona plants
collected by Dr. Elzada M. Clowes

Address all correspondence concerning this material to

E. B. Mann

RECEIVED THE ABOVE MATERIAL IN GOOD ORDER:

Signed _____ Date _____

UNIVERSITY MUSEUMS
UNIVERSITY OF MICHIGAN
ANN ARBOR, MICHIGAN, U. S. A.

UNIVERSITY HERBARIUM

August 10, 1945

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

Dear Professor Friesner:

We are sending
you by express 187 specimens of plants
collected by Dr. Elzada U. Clover in
Arizona, to apply to our exchange
account with you. Dr. Clover has spent
a number of years in the study of the
flora of the southwest, and I believe
you will find this collection a worth-
while addition to your herbarium.

Yours truly,

E. B. Mains

E. B. Mains
Director

EBM/Se

August 17, 1945

University of Michigan
Curator of Phanerogams
Ann Arbor, Michigan

Dear Dr. Mains:

Please accept my sincere appreciation for the box of arizona plants which came sometime recently and were awaiting me upon return from vacation. I had not expected any exchange specimens from you for it was a part of the bargain that I was to send specimens in exchange for you "Herbarium Contributions". I glad to have them, nevertheless, and will keep them unless you wish them returned. Since I am getting much the better end of the bargain in receiving your "Contributions" I shall not expect more speceimens in return for thos I am able to send. On the other hand, I shall always be glad to have any you may care to send.

Sincerely yours,

Ray C. Friesner

ORLAND E. WHITE, DIRECTOR

MAIL ADDRESS MARCH 1 TO NOVEMBER 1
BOYCE, VA., NOVEMBER 1 TO MARCH 1
BIOLOGY BUILDING, UNIVERSITY STATION
CHARLOTTEVILLE, VIRGINIA

THE BLANDY EXPERIMENTAL FARM

UNIVERSITY OF VIRGINIA
BOYCE, VIRGINIA

ALL BILLS SHOULD BE ADDRESSED TO
THE MANAGER,
THE BLANDY EXPERIMENTAL FARM
BOYCE, VIRGINIA

August 24, 1945.

Dr. Ray C. Friesner
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

I am attempting to assemble a collection of Physalis from different regions of the United States for a chromosomal and hybridization study of the genus. I should appreciate it very much if you could send me seed of the types growing in your locality. Species identification is not necessary. If it is not convenient to collect new seed, a few from recent herbarium specimens would be welcome.

I shall be grateful for any help you can give me.

Sincerely yours,

Margaret Young
Margaret Young
Research Fellow

August 26, 1945

Dear Mr. Hawkins:

Your letter with specimen enclosed awaited me on return from a short vacation. I write you regarding it because I am not certain just when we will be able to get back to Cabin Creek bog. I would like to get back as soon as possible but am tied up for the first Saturday in September and probably for the second.

The plant is Commelina communis, or Day Flower. It is called Day Flower because each flower stays open for just one day, but since others open in succession it flowers all summer. It is a nice plant to have if you have a bed for it by itself, but since it roots readily at the nodes it is likely to be a pest if it gets into a bed where you want other things. It is not difficult to control but is difficult to completely eradicate once it gets a good start in a reasonably moist place.

Dr. Potzger is spending a month boring bogs in the Saginaw valley in Michigan and I have a week of botanizing in Harrison county ahead of me. It is possible that I may be able to be back at Cabin Creek on Sept. 8, or if not then I may be able to make it on the 15th. We want to make it as soon as possible so that we will not miss any species.

I hope you and Mrs. Hawkins have been well all summer and that we will see you soon. Thanking you for the fine spirit you have shown us, I remain

Sincerely yours,

August 27, 1945

Miss Mary Young
The Blanding Experimental Farm
University of Virginia
Boyce, Virginia

Dear Miss Young:

I have your letter of August 24 regarding collection of seeds for a study of chromosomes in the genus *Physalis*. I shall be in the field every Saturday during the collecting season and will be very glad to collect seeds from as many species as possible for you.

Very truly yours,

Ray C. Friesner

RCF:LM

UNIVERSITY MUSEUMS
UNIVERSITY OF MICHIGAN
ANN ARBOR, MICHIGAN, U. S. A.

UNIVERSITY HERBARIUM

August 28, 1945

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

Dear Professor Friesner:

I have your letter of August 17 in regard to exchange material. I assume that you are receiving our "Contributions from the University Herbarium" in exchange for your botanical publications. Therefore I have expected to return plant specimens in exchange for your sendings. According to our records you have sent us 317 specimens, and we have sent you 187. We have a good collection of Kentucky plants which has resulted from a recent doctoral investigation by one of our students. We can send this to you if you are interested.

Yours truly,

E. B. Mains

E. B. Mains
Director

EBM/Se

August 31, 1945

Dr. E. B. Main, Director
University Herbarium
University of Michigan
Ann Arbor, Michigan

Dear Dr. Main:

Thank you for your letter of August 28th. We will be very glad to receive the collection of Kentucky plants which you mention. It is my feeling that Kentucky specimens are still rare in university herbaria and I believe it is a strategic setting from the standpoint of plant distribution. We have a few centuries of specimens put out by Dr. McFarland but the few duplicates that may be in your collection will not do any harm I am sure.

It is generous of you to consider sending us these specimens and we appreciate very much your kindness in sending them. I will probably have a small collection based on my work this summer to send you when the summer's work is over.

Very truly yours,

Ray C. Friesner

RCF:LM

September 10, 1945

Editor
Crawford County Democrat
English, Indiana

Dear Sir:

A party of botanists headed by Mr. Charles C. Deam, of Bluffton, recently spent a couple weeks botanizing in Harrison and Crawford counties. During this study the Umbrella-Tree, previously unknown in the state, was discovered on the farm of Mr. Charles Faulkenburg, near West Fork. Since this is a tree new to the state, and since it is of considerable scientific interest, we thought that you might care to run a brief article concerning the find. With this thought in mind, I have written the enclosed article for your consideration.

In case you feel that we should give you more information before you print it we will be glad to do the best we can toward a longer article.

Sincerely yours,

Professor of Botany

September 17, 1945

Mr. Ralph Kriebel
Agricultural Experiment Station
Agronomy Department
Lafayette, Indiana

Dear Mr. Kriebel:

Thank you very much for the labels for the plants which you left last week. I just took them out of the drier yesterday and will have them poisoned before the day is over. Since a number of them are new county records, they become all the more valuable specimens for our herbarium.

Over the past weekend Dr. Potzger and I made a trip northwest into White, Jasper, Porter and Starke Counties. We made a special trip for Pontederia and Sium to be sent in considerable quantities to the laboratories of Merck and Company at Rahway, New Jersey. This is a part of the government sponsored program in search of insecticides and repellents. Dr. Potzger had a considerable number of range extensions in grasses but I did not collect anything exciting.

Very truly yours,

Ray C. Friesner

RCF:LM

HERBIER DES MISSIONS
VICARIATS DE NN. SS. HENRI BELLEAU ET MARC LACROIX
Oblats de Marie Immaculée,
Baie James et Baie d'Hudson.



Canadian Sub-Arctic Flora
East Coast of James Bay and Hudson's Bay,
Ungava, Québec.
Distributed by The Catholic University
of America, Washington, D. C.

See try in red line

Collectors :
Rev. Arthème Dutilly, O.M.I.
Naturalist of the Oblate Arctic missions.
Rev. Ernest Lepage, priest,
Ecole d'Agriculture, Rimouski, Québec.

Rimouski, September 26, 1945 494

Mr. Ray C. Friesner
Butler University
Indianapolis, Indiana
U.S.A.

Dear Mr. Friesner:

I am sending you, this year again, some golden rods collected in the North of Québec. This summer, I spent two months in this region. We have gone from the southern James Bay, along the east coast of James Bay and Hudson Bay, as far as the Richmond Gulf. From this point, we have crossed the Ungava Peninsula as far the Ungava Bay, to Fort Chimo, where the U.S. have one airport. We have spent one week in this airport with the american aviators. We have gone from Chimo by airplane to Goose Bay, Labrador and from there to Moncton, New Brunswick. The crossing of the interior Ungava were pretty harsh, with many mosquitoes, frost, rain and X fogs. The drying of plants were not very easy in such conditions, you can be sure.

Hoping to hear from you soon,

I remain,

Sincerely yours

Ernest Lepage
Ernest Lepage ptre

P.S. The Golden Rods determined last year as Solidago galetorum are S. graminifolia var. major, according to Dr. Fernald.

E. L.

Houghton College

Department of Biology
Houghton, New York

September 26, 1945

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

Dear Professor Friesner,

At last I am returning the specimens
of Gentiana puberula loaned me about a
year ago. I needed to compare them with
plants from Ripon, Wisconsin. We found
no taxonomic differences in the two lots of
plants. Cytological study of buds showed
considerable difference in size of chromosomes.
I thank you very much for the loan
of these specimens and also for the
material sent me for our Houghton College
Herbarium.

Most sincerely,

Wm. Lupton S. Roke

Assoc. Prof. of Botany

October 1, 1945

Dr. Ernest Lepage ptre
Ecole Moyenne d'Agriculture
Rimouski, P. Q.

Dear Father Lepage:

Thanks for your letter of September 26.
I shall be glad to receive the specimens of *Solidago* for
determination. The territory covered must have been a very
interesting area. I have enough ahead just now to keep me
busy until about the end of November, but I shall be glad to
work on your plants ahead of some of the others, incase you
should be in a hurry for the determinations. In that case,
will you please so inform me?

Thanks, also, for information regarding Dr. Fernald's
determination of the specimens I passed as *S. galatorum*.
Since Dr. Fernald is the original describer of both *S.*
galatorum and *S. graminifolia* var. *major* we should take his
authority for the correct determination.

Sincerely yours,

Ray C. Friesner

October 1, 1945

Dr. B. A. Krukoff
New York Botanical Garden
Bronx Park, Fordham Station
New York 58, New York

Dear Dr. Krukoff:

I now have ready to mail to you
the specimens of

Scrophularia marilandica
Sium suave (cicutaeifolia)
Cacalia muhlenbergii (reniformis)
Mollugo verticillata
Pontedria cordata
Echium vulgare

This completes the list you asked for except for
fruits of *Menispermum canadense* which I have so far
been unable to locate. Apparently this species is not
fruiting in our area this year. I shall, however, con-
tinue to be on the lookout for it.

I will mail this material to you immediately upon
receipt of information as to where you would like to have
it sent.

Sincerely yours,

Ray C. Friesner

THE NEW YORK BOTANICAL GARDEN

BRONX PARK (FORDHAM BRANCH P. O.)
NEW YORK 58, N. Y.

PRESIDENT
JOSEPH R. SWAN

VICE-PRESIDENTS
HENRY DE F. BALDWIN
JOHN L. MERRILL

DIRECTOR
WILLIAM J. ROBBINS

TREASURER
ARTHUR M. ANDERSON

October 4, 1945

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

Dear Dr. Friesner:

I have your letter of October 1st.
Please send the samples of plants that you have
so kindly collected for us, to me, at the garden,
express collect.

Yours very truly,

B. A. K.
B. A. Krukoff

BAK:GPN

Gordon Pass Naples Fla

ELEANOR SCULL

IO-5-45.

Dear Dr Friesner:-

My activities this summer in collecting have been much interfered with by the excessive amount of rain and consequent mosquito pests-

This letter from a disabled veteran referred to me by the Post Office here may be self explanatory-if you can use the plants in your grounds will you send him a letter to that effect and perhaps drop me a card -

The recent hurricane played hob with my typewriter- must get it someplace to be reconditioned - am doing this at 2A. by a very poor light-

The whole will send you a list instead of the letter that I must retain

These were collected in Vermont very recently-

Cypripedium acaule

Cypripedium pubescens

Cypripedium spectabile

Orchis spectabilis

Two or three plants of *Spiranthes racemosa*-

He asks about a *Polytrichum Lindenii*-I think it is the one common in the Big Cypress but do not have that spelling- confusion of nomenclature- could not take the time now for that but am having very frequent letters from the man and must do what I can for him-

Have sent him epiphytic specimens of orchids and this is his effort to repay-

Of course can not possibly use the northern orchids down here in tropical Florida

Sincerely

Eleanor Scull M.D.

October 9, 1945

Dr. Eleanor Scull
Gordon Pass
Naples, Florida

Dear Dr. Scull:

I have your letter of October 5th regarding some specimens of Orchidaceae. We will be very glad to have these specimens in case you care to inform the person who offered them or let us know his address and we can write him direct if that will be easier for you.

I am sorry that conditions have not been better for your collecting during the past summer and hope that they will improve for the rest of this season and for next year. If there is any way in which we can be of help to you, we will be glad to do it.

Very truly yours,

Ray C. Friesner

RCP:LM

October 9, 1945

Dr. Ernest Lepage ptre.
Ecole Moyenne d'Agriculture
Rimouski, P. Q.

Dear Dr. Lepage:

Your package of Goldenrods came the last of last week and presumably in excellent condition though I have not had time yet to open them. I hope that I will be able to get to them sooner than I mentioned in my letter to you though it will be some little time unless you are in a big hurry for them because I have so much other material for which reports are waiting.

I appreciate the privilege of having this material and hope my delay will not cause you too much disadvantage.

Very truly yours,

Ray C. Friesner

RCF:LM

October 9, 1945

Dr. B. A. Krukoff
New York Botanical Garden
Bronx Park, Fordham Station
New York 58, New York

Dear Dr. Krukoff:

Today I have sent, via express collect, two packages containing the material which I mentioned in my letter of October 1st. This includes the following:

Scrophularia marilandica
Sium suave (*cicutae-folia*)
Cacalia muhlbergii (*reniformis*)
Mollugo verticillata
Pontedria cordata
Echium vulgare

In the case of *Cacalia*, the material is less than the amount you asked for due to the fact that the material was not abundant this year and we had difficulty finding even the amount that has been sent. I hope this material reaches you in good condition.

Very truly yours,

Ray C. Friesner

RCF:LM

THE NEW YORK BOTANICAL GARDEN

BRONX PARK (FORDHAM BRANCH P. O.)
NEW YORK 58, N. Y.

PRESIDENT
JOSEPH R. SWAN

VICE-PRESIDENTS
HENRY DEF. BALDWIN
JOHN L. MERRILL

TREASURER
ARTHUR M. ANDERSON

DIRECTOR
WILLIAM J. ROBBINS

Oct. 15, 1945

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

Dear Dr. Friesner:

We wish to acknowledge receipt of your letter of October 9, and the packages containing the material you sent, namely: Scrophularia marilandica, Sium suave, Cacalia Muhlbergii, Mollugo verticillata, Pontedia cordata and Echium vulgare. We wish to thank you for your cooperation in this matter.

We are particularly interested in testing, before the end of 1945, the following plant:

Spirea tomentosa (Rosaceae)

roots, 1 lb. or more.
upper portions with
leaves, 1 lb. or more.

We know it is late in the season but we are requesting this plant from you in the hope that you may be acquainted with some local area in which the species is still in condition for collection.

Under a separate cover we are sending you a reprint of paper entitled: "A New Plant Insecticide for Control of the European Corn Borer" by Drs. Pepper and Carruth, which was published in connection with our project on insecticides.

Very truly yours,

B. A. Krukoff
B. A. Krukoff

JM/ml

Jackson Co., 1 mi s. of Crothersville = 75 mi
Howard Co 3 mi s. of Kokomo = 55 "

October 15, 1945

Taxonomic Index
New York Botanical Garden
Bronx Parkway, Fordham Station
New York 58, New York

Gentlemen:

In the recent issue of "Taxonomic Index" which has just come to my desk, I note a slip in which the genus *Sacheria* is listed under the Spermatophyta. This is a paper written by Dr. C. Mervin Palmer and published in the "Butler University Botanical Studies".

I realize that this is a slip of little consequence since botanists will recognize this is a genus of Red Algae, yet it might possibly be overlooked by phycologists who do not chance to look over the references on the Spermatophyta.

Very truly yours,

Ray C. Friesner

RCF:LM



DEPARTMENT OF AGRICULTURE

Central Experimental Farm,
Ottawa, Ontario,
October 17th, 1945.

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

Dear Professor Friesner:

Will you kindly send me a copy of your latest edition of *The Genus Solidago in Northeastern North America*? The copy I have is dated April 1933, and is very much the worse for wear.

Our stock of *Solidago* has been much added to since I sent you the last specimens, so I thought perhaps you might like to have some more; especially those species which you most need. If you will send me a list I hope to be able to supply you.

With kind regards,

Yours sincerely,

E. W. Hart

EWH;mb

E.W. Hart,
Junior Botanist.

I am especially anxious to have the collection data for the following specimens which you sent me last year:

*You will recall that I was unable to determine the following: 539 Smithers, B.C. Coll. by H. Groh.
353 Melner, B.C. " " " "*

I would be interested in securing additional specimens from these sites to match these if possible.

October 17, 1945

Dr. B. A. Krukoff
The New York Botanical Garden
Bronx Park, Fordham Station
New York 58, New York

Dear Dr. Krukoff:

I have your letter of October 15th regarding your need of Spirea tomentosa for testing before the end of the present year. This species does not grow in the neighborhood of Indianapolis but can be gotten about 50 miles north and 75 miles south of Indianapolis. I am tied up with meetings of the Indiana Academy of Science for this coming week but can make a trip for it on October 27th. I am not certain as to how much frost damage may have been done to the plants north of Indianapolis and hence I am inclined to take the longer distance (75 miles) to Jackson County where the frost may not have done so much damage as farther north. At any rate, I will do what I can on October 27th toward getting the material you wish.

Very truly yours,

Ray C. Friesner

RCF:LW



THIS SIDE OF CARD IS FOR ADDRESS

Dr. Roy C. Fuciner
Botany Dept., Butler U.
Indianapolis, Indiana

Sal. Eve.
Dear Dr. Friesner:

Dr. Rehder
det. the Robinia to be
R. pseudoacacia L.
(Fls. pink to reddish) (Gr.
purplish-lavender.)
We have 3 sheets of it.

Two det. by Dean + one
det. by Rehder. Dean's as
you reported this a.m.
Coll. in White Co. just 1
mi. N. of White-Tennessee
Co. line. where a shrub
I don't understand Rehder's
determination. Perhaps some
day it will be true. Time
will tell.

Cordially,
Virione H. Welch

THE NEW YORK BOTANICAL GARDEN

BRONX PARK (FORDHAM BRANCH P. O.)
NEW YORK 58, N. Y.

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JOSEPH R. SWAN

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HENRY DE F. BALDWIN
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TREASURER
ARTHUR M. ANDERSON

DIRECTOR
WILLIAM J. ROBBINS

Oct. 22, 1945

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

Dear Dr. Friesner:

We wish to acknowledge your letter of October 17.
We note that you will make an attempt to obtain Spiraea tomentosa
for us towards the end of this month. Your cooperation in this
matter is greatly appreciated.

Very truly yours,

B. A. R.
B. A. Arukoff

JM/ml

Oct 22, 1945

Dear Sir:

Just got the letter from Dr Scull about those Orchids I offered to send to Florida.

Well, Sir, here is the situation. I am a disabled veteran and have made Orchids my hobby. It fills in my time.

As my pension is small I am unable to buy plants but exchange local varieties for any plants that the person cares to send me.

I have written all over the world and offered numerous species and so do not know exactly what I offered Dr. Scull.

I recall Dendrobium Mobile but the rest escape me. I hope you will write and let me know what I offered and I will send them to you.

Incidentally if you have any

excess in any specie of Orchid I
would be glad to have them. I
only keep one or two of each type
plant but can use the others to
swap. I'll pay freight on all plants
I send and receive. Will buy plants
if price is low enough.

Well enough of my begging.
Hope to hear from you soon and will
send plants immediately thereafter.

Sincerely
William H. Grogan

W. H. GROGAN
6 So. Lake Ave.
Albany 3, N. Y.

November 1, 1945

Dr. B. A. Krukoff
New York Botanical Garden
Bronx Park, Fordham Station
New York 58, New York

Dear Dr. Krukoff:

A few days ago, I sent you, via express collect, a package containing material of Spiraea tomentosa. I hope that this reaches you in good condition and that it will meet your requirements.

Very truly yours,

Ray C. Friesner

RCF:LM

November 1, 1945

Mr. E. W. Hart, Junior Botanist
Department of Agriculture
Central Experiment Farm
Ottawa, Ontario, Canada

Dear Mr. Hart:

I am sorry to have been so slow regarding your request for a copy of my paper on the genus *Solidago*. Your request came in the midst of our Academy of Science meetings and I did not wish to send it until after I had had time to send you a list of any changes and new species that have been described since the appearance of the paper. These changes I am enclosing with this letter.

Regarding your offer to send me additional specimens from your stock of *Solidago*: I appreciate your offer very much but I am not in a position at present to run through my material to know just what I would like to have. When I can find time, I will send you a list and if you still have them available, I would be glad to have them at that time.

I am especially anxious to have the collection data for the following specimens which you sent me last year. These few did not have the locality of the original material and if that is available, I would appreciate having it:

39-41-55-3
39-16-45
X-2-822-A
X-2-815
X-2-76
39-140-91

You may recall that I was unable to determine the following two specimens of your last year's material:

539, Smithers, B. C., Coll. by H. Groh.
353, Milner, B. C., Coll. by H. Groh.

In case you should chance to get additional material of these specimens, I might be able to determine them but I can find nothing to place them at present.

Very truly yours,

Ray C. Friesner

RCF:LM

November 1, 1945

Mr. W. H. Grogan
6 South Lake Avenue
Albany 3, New York

Dear Mr. Grogan:

Thank you for your recent letter regarding exchange of specimens of Orchidaceae. We should be glad to get any herbarium material that you might have to send on exchange basis but since we do not have any specimens of this family in stock, we should not be able to reciprocate until after the next season of collecting and it might be better if you were not to send us any material until next year after I find out how much I might be able to secure for you in our area. If you are interested in an exchange of herbarium specimens on such a basis for next year, please let us know and I will add your name to my list of exchanges for next year material.

Very truly yours,

Ray C. Friesner

RCF:LM

November 2, 1945

Dr. E. E. Stanford
College of the Pacific
Stockton, California

Dear Dr. Stanford:

I have three specimens of a Polygonum collected in a large drainage ditch about 1 mile south of the Kankakee River along Rd. 53, in Jasper County, Indiana which I am unable to determine with certainty. The following characters may serve to give you an idea. It undoubtedly belongs to the P. hydropiperoides-setaceum group.

The internodes are strongly and coarsely strigose; upper leaf surfaces are strongly and evenly short strigose with hairs about .5 mm long; the lower one or two ochreae on each spike are coarsely strigose, others not, all ochreae are coarsely fringed with teeth about 1.5 mm long; perianth is about 2 mm long, never over 2.25 mm.

From this group of characters I am unable to decide whether I have P. hydropiperoides forma stigosum, P. h. var. Bushmanum or P. setaceum var. interjectum.

Can you give me any characters which will more certainly distinguish these three entities, or would you prefer that I send one of the specimens to you? I shall be glad to send you one which you may keep for your herbarium in case you care for it.

Sincerely yours,

Ray C. Friesner

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WILLIAM J. ROBBINS

November 5, 1945

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

Dear Dr. Friesner:

Acknowledgment is made of the receipt of
your letter of November 1, 1945.

Many thanks for the Spiraea tomentosa,
which reached us in good condition.

Yours very truly,

B. A. K.
B. A. Krukoff

BAK:GPN

November 5, 1945

Mr. P. Jansen
Frans van Mierisstraat 128
Amsterdam-2, Holland

Dear Sir:

I have a communication from Mr. Charles C. Deam of Bluffton, Indiana, in which he states that you have been interested in the grass species of your country and that you are preparing a monograph of them. It has occurred to me that you might be interested in exchanging species of American grasses for some from your area. In case you should be interested, we should be glad to send you in the neighborhood of 200 specimens of Indiana grasses in return for any that you may be able to send. If you are interested, will you please communicate with me at your convenience.

Very truly yours,

Ray C. Friesner

RCF:LM



THE UNIVERSITY OF OKLAHOMA

NORMAN · OKLAHOMA

November 10, 1945

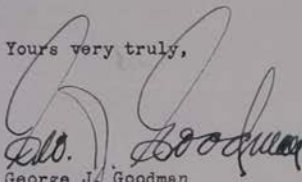
Professor Roy C. Friesner
Butler University
Indianapolis, Indiana

Dear Dr. Friesner:

We are sending to you by Prepaid Express, as exchange material, the following 240 herbarium specimens. I trust you will find these desirable for your herbarium.

| | |
|---|----|
| Hopkins, Aven & Ruth Nelson, Cleveland County, Oklahoma, 1944 | 77 |
| Miscellaneous Oklahoma | 26 |
| Hawks, Cleveland County, Oklahoma | 8 |
| P. O. Schallert, Arizona, 1943 | 25 |
| P. O. Schallert, Hawaii | 9 |
| Bundle made up by Milton Hopkins (containing Schallert California, 1943, and misc. Okla.) | 60 |
| Miscellaneous | 8 |
| Miscellaneous Oklahoma (recent) | 27 |

Yours very truly,


George J. Goodman
Professor

GJG:m

November 12, 1945

Dear Sir:

I offered the plants to Dr. Scull for free. There were no exchanges mentioned. Dr. Scull offered them to you. So if you want them O.K. The only thing is I don't know what I offered him. If you have this list please let me know and I will send the plants.

As long as you have an exchange list put me on it. I hope some day to have all species and varieties of the Orchid family. Quite a large order so any exchanges I can make will help me.

If you know of any other Colleges with exchange lists please let me know.

Thank you

William H. Grogan

W. H. GROGAN
6 So. Lake Ave.
Albany 3, N. Y.



DEPARTMENT OF AGRICULTURE

Central Experimental Farm,
Ottawa, Ontario,
November 12th, 1945.

Professor Ray C. Friesner,
Dept. of Botany,
Butler University,
Indianapolis, Indiana,
U.S.A.

Dear Professor Friesner:

Many thanks for your letter of November 1st with list of changes and new species of *Solidago*, also for your *Solidago* paper. I very much appreciate the trouble which you have taken in the matter.

I much regret that I am quite unable to supply you with further data regarding the specimens which you mention, other than they are growing here under cultivation; nor am I able to supply more material of the two British Columbia specimens.

When you can find the time to send me a list of specimens which you require. I will do my best to supply them.

Yours very truly,

E.W. Hart

E.W. Hart,
Junior Botanist.

EWB:mb

November 12, 1945

Dr. Olga Lakela
State Teachers College
Duluth, Minnesota

Dear Dr. Lakela:

Early in September Mr. Deam and I were on a field trip in southern Indiana and I picked up some specimens of *Heuchera* which seem to run out to *H. puberula*. Since this species has not been reported previously for Indiana I am anxious that it be checked for accuracy of interpretation, and I am writing to ask whether you will be able to find time to check it for me.

In case you can do this I will send you some representative specimens which you need not return.

Sincerely yours,

Ray C. Friesner

Specimens marked X are representative
for sending to Dr. Lakela

November 14, 1945

Dr. George J. Goodman
Department of Botany
University of Oklahoma
Norman, Oklahoma

Dear Dr. Goodman:

Your package of herbarium specimens reached us yesterday and, while I have not yet had time to open them, they appear to be in excellent condition. We are very much pleased to have all of them. Our past experience with Schallert specimens has not been so satisfactory but after all a poor specimen is better than none and in case any of these happen to be duplicates of what we have received from him direct, we can send them on to someone else.

According to our records we had sent you 219 specimens in January of this year. In case you have found them, your shipment would leave us indebted to you to the extent of 21 specimens. I have had your herbarium on our collecting list during the past summer and will have a shipment ready for you sometime soon after the new year (as soon as we can get the labels typed). I hope you will be interested in continuing the exchange for several years or at least until I can exhaust the possibilities in our region for you. As you probably know, it has been my custom to keep a record of each species sent and not to duplicate them in future sendings. If this meets with your approval, please do not bother to reply. In case you should wish to terminate the exchange after we have fulfilled our end of the bargain, then you may let me know.

Very truly yours,

Ray C. Friesner

RCF:LM

November 14, 1945

Mr. W. H. Grogan
6 South Lake Avenue
Albany 3, New York

Dear Sir:

I have your letter of November 12th regarding exchange of herbarium specimens of the Orchidaceae. Dr. Scull did not send us a list of species and hence we have no way of telling you just what you had promised to her. We will be glad to get any species which you may have available and care to send in exchange.

We do not have any duplicate specimens of this family on hand at present but will place your name on our list so that we will collect specimens for you during the next collecting season.

Very truly yours,

Ray C. Priesner

RCF:LM

THE NEW YORK BOTANICAL GARDEN

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ARTHUR M. ANDERSON

November 15, 1945

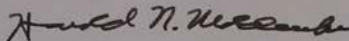
Dr. Ray C. Friesner,
Department of Botany,
Butler University,
Indianapolis, Indiana

Dear Dr. Friesner:

Today I received the copy of "Indiana Plant Distribution Records. V. 1944", which you so kindly sent me. It is being pasted in the back of Deam's FLOPA with the previous installments. Please accept my most sincere thanks for sending it to me. Under separate cover I am sending you copies of some of my own recent efforts.

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

very sincerely yours,



Harold N. Moldenke,
Associate Curator

STATE TEACHERS COLLEGE

DULUTH, MINNESOTA

November 16, 1945

DEPARTMENT OF SCIENCE
AND MATHEMATICS

Dr. Ray C. Friesner
Butler University
Indiana

Dear Professor Friesner:

I'll be very happy to check
your collection of Heuchera puberula
from Indiana. You may send the
specimen anytime.

Yours very truly,

Olga Lohula



INSTITUTO ECUATORIANO DE CIENCIAS NATURALES

Dedicado al estudio de las Riquezas Naturales del Ecuador y principalmente de su Geobotánica y de sus Productos Forestales

APARTADO 408

QUITO-ECUADOR, S. A

Cto. No. 2427

check whether
this address
is correct in files

Quito, 20 de noviembre de 1945

Director of Butler University Botanical Studies
Indianapolis, Indiana. - U.S.A.

El presente tiene por objeto solicitar a Ud. el envío de todas las publicaciones científicas de esta Institución y en especial las de Botánica, por cuanto la Biblioteca del Instituto Ecuatoriano de Ciencias Naturales está empeñada en hacer una recolección y ordenación de las publicaciones americanas de esta índole; en cambio, de a mí remitirnos la revista "MELORA", órgano de este Instituto. Debo indicarle que ya tenemos algunos números, pero faltan casi todos los volúmenes, en el orden que sigue:

| | | |
|-----------|--------|--|
| They need | Vol. I | con todos los números |
| | " II | " " " " |
| | " III | " " " " |
| They have | " IV | Sólo tenemos los Nos. 11 y 18 faltan los |
| | " V | " " " " 1 y 17 demás |
| | " VI | " " " " 1 y 8 números |

Además, también no existen los volúmenes del presente año, razón por la cual rogamos a Ud. se interese en remitirnos para tener la colección completa.

Con los sentimientos de mi mayor consideración me suscribo, dándole las gracias de anticipado, muy Atte.,

We are sending

PRO SCIENTIA PATRIAE

V. I } all numbers
II
III

IV 1-10

V you have all published

VI MAS. Nos. 1-8

Al contestar este oficio, sirvase hacer referencia al número y fecha marcados arriba

VII 1-13

McQuinn

Acosta Solís

Director

November 20, 1945

Dear Dr. Lakela:

I am sending you three specimens of the *Heuchera* material mentioned in my letter of November 12. In case they should turn out to be of any special significance, I can send you additional specimens, in case you care for them.

Of course, these specimens need not be returned. I am very grateful to you for checking them for me.

Sincerely yours,

Ray C. Friesner

THE NEW YORK BOTANICAL GARDEN

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NEW YORK 58, N. Y.

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TREASURER
ARTHUR M. ANDERSON

November 23, 1945

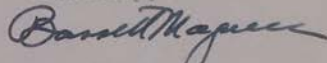
Professor Ray C. Friesner
Department of Botany
Butler University
Indianapolis, Ind.

Dear Professor Friesner:

The two specimens of your interesting Elkhart County Cerastium are received. Undoubtedly they belong to C. arvense, sens. lat. A close study of the species in relation to other members of the genus will have to be made before any definite opinion can be given. Certainly this is an interesting plant, and in all probability represents a distinct thing.

With much appreciation and best wishes,

Sincerely,



Bassett Maguire
Curator

BK:CK

Dear Mr. Deam:

Above is response of Dr. Maguire concerning the specimens of Cerastium you located on the high bank of the St. Joseph River west of Elkhart. Apparently we will need to wait a while before a final disposition is made of them.

Friesner

STATE TEACHERS COLLEGE

DULUTH, MINNESOTA

November 29, 1945.

DEPARTMENT OF SCIENCE
AND MATHEMATICS

Professor R.C. Friesner
Butler University
Indiana

Dear Dr. Friesner:

Your collections are Heuchera puberula although the gland-tipped hairs are somewhat longer than I recall in the typical material. I have no specimens here to compare, so I mailed two of your collections to the University of Minnesota Herbarium in care of Dr. Rosendahl. If he has no time to compare them now, I will do it myself during Christmas vacation. In case further study should make it necessary to change my decision, I will let you know.

I am grateful to you for the fine specimens.

I have entered the following ~~depositorials in Indiana. Plt. Det. Rec.~~ Yours very truly,
Olya Lakela.
VI = B, D, DP, G, NY, M, C. Be sure each one receives a specimen

COLLEGE OF THE PACIFIC
STOCKTON 27, CALIFORNIA

November 29, 1945

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

Dear Dr. Friesner:

Your letter of November 2nd with reference to the specimens of Polygonum came in some time ago and serves mainly to remind me that it is a long time since I did anything in systematic Botany or the study of that genus.

From your description of the specimens I should judge that you had run across one of the more or less common intergrades which occur between varieties and forms of a species. I should be inclined to think the thing close to P. hydropiperoides forma strigosum.

The material I worked with when I was dealing with Polygonum is all in the Gray Herbarium at Harvard, and I doubt if I could make a closer guess as to the identity of your specimens without comparing it with the Gray collections. I am sorry I cannot serve you more definitely.

Very truly yours,

E. E. Stanford
E. E. Stanford

EES/mlr

12 Knox Street
Rockland

Dear Dr. Fernald,

I'm sending you a box of dried plants. Some are mine. Some are from the Leonard collection. Among the latter, there were unnamed, or, I thought, incorrectly named plants. Some I have ventured to name. Others I've left as they were. Among these last are Antennarias I sent him in 1925, when they were even more puzzling to me than now that I have the July Rhodora. I don't know that Dr. Fernald has clarified the situation much for me. I'm thankful I don't live in Newfoundland.

I'd appreciate it, if you would tell me of any mistakes in my names.

Also, I'm imposing upon you by putting on top of the box a few plants that I wish you'd verify for me, and return in the same box. That's the only really good box I've ever found for that purpose.

You'll see a lot of small grape-ferns Mr. Trundy called *B. ramosum*.

You may keep some of the unmounted ones, if you like.

The specimen of Diogenium or Poriffa is so poor, I don't wonder my two friends differ in opinion. We don't have S. incisum here, but Mr. Bear thought this might be it. In case Indiana is not too far east for it, I'd be grateful, if you had a duplicate to spare.

The Vitis was transplanted from Fort Ticonderoga, Lake Champlain, N. Y. to Bangor, Me. by Mrs. Jane Sylvestre. She thinks it is refaria, and Dr. Stannett writes "Refaria is the best match, from limited material." Mrs. Sylvestre says, "Our vine has flourished and it ^{has} blossomed for two years, but has borne no fruit. The leaves are shining and when we saw it at Ticonderoga ^{in Sept.} it was covered with very small dark grapes, about as large as woodbine berries." I collected Vitis refaria at Exeter, Me., and thought this plant didn't look like Mrs. Sylvestre's.

We're having a real old fashioned snow storm. A neighbor has been shoveling through a three-foot drift, and it's still snowing hard. I hope this is not a harbinger of other similar ones.

You doubtless know that Evelyn's
son has come back to ^{Rockland} to live. A month
ago, he told me he was looking for a
house to buy. He has a most attractive
and sensible looking wife.

Please give my regards to your wife

Yours sincerely,

Edith Bicknell.

12 Throp St., Rockland, Me.

Nov. 30, 1945

Dr. E. E. Stanford
College of the Pacific
Stockton 27, California

Thank you for your letter of November 29th regarding the determination of the specimen of Polygonum. I am inclined to believe that your suggestion that it is likely to be P. hydropiperoides forma strigosum is correct. At least I will label it that way until such future time that I may be able to send it to the Harvard Herbarium for further checking.

December 3, 1945

Dr. N. C. Fassett
Department of Botany
University of Wisconsin
Madison, Wisconsin

Dear Dr. Fassett:

Thank you very much for the specimens of the different forms of Rubus odoratus which came last week. We have already mounted them and they will certainly make a valuable addition to our herbarium. I am grateful to you, also, for the numerous reprints and I judge from a letter from Mr. Deam that you must have sent some to him because he has written me regarding Napaea dioica forma stellata. I have checked our specimens in the Butler Herbarium and find that they all belong to the forma stellata. I have also written to the other herbaria of the state so that we can record the location of all specimens of both the species and enter them in our Indiana Plant Distribution Record for 1945. The other reports also contained much taxonomic information which we appreciate greatly having in our library.

Very truly yours,

Ray C. Friesner

RCF:LM

- 11 -

December 3, 1945

Miss Edith Bicknell
12 Knox Street
Rockland, Maine

Dear Miss Bicknell:

I have your letter of November 30th regarding the determination of certain specimens from the herbarium of the Knox Arboretum. I appreciate the privilege of studying those specimens and of retaining certain of them for our herbarium. I am sorry that I will not be able to give them immediate attention because I have several other lots of plants that I have had so long that I must work on them first. I will get to these specimens as soon as possible and will write you as soon as I have had a chance to study them.

I hope the blizzard which the papers reported as having struck the New England states has abated by now and that you are not suffering any inconvenience as a result of it.

Very truly yours,

Ray C. Friesner

RCF:LM

December 6, 1945

Dr. S. C. Wadmond
Delavan, Wisconsin

Dear Dr. Wadmond:

Some time ago I mailed to your address as given above, the last number of our "Indiana Plant Distribution Records" and it has been returned to us with the notation "Moved". I am writing to you now, first-class, to the same address hoping that this will be forwarded and that we may thereby learn your correct address. In case you receive this note, I will be glad to have you send us your address and we will then mail you the above-mentioned reprint.

Very truly yours,

Ray C. Friesner

RCF:LM

December 6, 1945

Dr. Olga Lakela
Department of Science and Mathematics
State Teachers College
Duluth, Minnesota

Dear Dr. Lakela:

Thank you for your letter of November 29th and your provisional determination of my specimen as *Heuchera*. I shall withhold the entering of this species in our "Indiana Plant Distribution Record" until after the Christmas holidays so that, in case you find that you wish to change the decision, you may do so and I will not need to make any changes in the manuscript. In case that you find that your determination is correct and you should wish additional specimens, I shall be glad to furnish them to you.

Very truly yours,

Ray C. Friesner

RCP:LM

Copy of letter from Dr. Rosendahl to Dr. Lakela
regarding specimens of *Heuchera* collected in Crawford
county September 3, 1945. R. C. Friesner no. _____

December 6, 1945

Dear Dr. Lakela:

I did not get time until yesterday to examine ~~the~~ *Heuchera* in detail the specimen of *Heuchera* from Indiana which you sent me. It is one of those troublesome things which may just as well be assigned to one species as to another: in this case to *H. parviflora* v. *rugelii* or *H. puberula*. As a matter of fact I believe these grade into each other and that there is really no satisfactory way of distinguishing them. The hypanthium character which we used in the monograph does not stand up, because in some specimens of *H. p. v. rugelii* it is up to about 0.3 mm long and similarly in *H. puberula* it is practically obsolete. In general the petioles and flowering stems of var. *rugelii* have longish hairs in addition to the short gland-tipped ones but in some of the specimens we assigned to this entity these long hairs are practically lacking or are reduced in length. It all becomes a matter of degree and as a result one encounters borderline cases. That is the case with this specimen from Indiana. The size of the flower I am inclined to believe is perhaps a more reliable character, but perhaps that, too, would be found too variable if one had enough specimens.

This Indiana plant on pubescence character would seem to make it *H. puberula* but on flower size and shape of sepals it cannot be distinguished from the general run of var. *rugelii* specimens from Kentucky, Ill. and Ark. My opinion, therefore is that it is *parviflora* var. *rugelii*, almost but not entirely lacking the "villous" hairs on the petioles and flowering stalks.

A specimen of *H. puberula*, collected by Bush in Shannon Co. Missouri the puberulence on the petioles and flowerin stalk is made up of very short gland-tipped hairs of equal length and I take this to be true of *H. puberula*. In the Indiana specimens the gland-tipped hairs are longer and not so uniform in length. In fact, near the base and at the top of the petioles there are numerous longer hairs although not as long as in typical var. *rugelii*.

In the monograph we express the view that *H. puberula* might almost as well be considered a geographical variety of *H. parviflora*. I believe this expresses the real situation and that with more specimens from the intervening parts of the range we would find a whole series of intergrading forms. It probably would have been better to consider *H. puberula* as a rather poorly defined geographic variety. Before one can come to a definite decision a good ~~mak~~ deal more material of the *puberula* complex should be examined.

Sincerely yours,

(Signed) C. O. Rosendahl

Dr. P. JANSEN
FRANS VAN MIERISSTRAAT 128
AMSTERDAM-Z.

AMSTERDAM, 7 Dec.

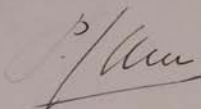
1945

Dear sir,

I duly received your letter of November 5 and immediately reply.

I am indeed very much interested in your grasses and should very much like to get a collection of your duplicates. Especially I am interested in American species of Eragrostis, as there are enumerated in Hitchcock's Manual many species I never saw. If you could send me a collection of American species of Eragrostis, as complete as possible, you should do me a very great service. But other grasses too are very welcome. In return I shall prepare a set of Dutch grasses and send them to you as soon as possible. Yesterday I received a letter from my old friend Charles Deam. With his 80 years he is still going strong. His book about Indiana-grasses is very instructive but is not very up to date in respect of nomenclature. . But most of his descriptions are very good.

Very truly yours



STATE TEACHERS COLLEGE

DULUTH, MINNESOTA

December 9, 1945.

DEPARTMENT OF SCIENCE
AND MATHEMATICS

Dr. Ray C. Friesner
Butler University

Dear Dr. Friesner:

Dr. Rosendahl tells me that your specimens of Heuchera intergrade between H. parviflora var. Rugelii and H. puberula. He favors the former, as you see in his letter which I am loaning to you.

Since you have additional specimens, it may be advisable to study ^{the} entire lot to see how much variation there is. In case you cannot arrive at a satisfactory conclusion, I would have time to study them during my vacation, which I usually devote to herbarium problems of my own collections in the University Herbarium. I expect to be there a few days after Jan. 1. Your specimens may be sent here, and I will return them to you.

Yours truly,
Hans Lohr

December 18, 1945

Dr. Olga Lakela
State Teachers College
Duluth 5, Minnesota

Dear Dr. Lakela:

Thank you very much for your letter of December 9th together with the enclosure from Dr. Rosendahl. I have made a copy of it for my records and am returning it to you.

A few days ago I sent you a package containing all of the specimens I have of the plant in question. These additional specimens may be helpful in your interpretation. After you have had a chance to make your study of them, I shall be glad to have you keep as many of the specimens as you wish and return the rest to me.

Thanking you again for your kindness in this matter, I remain,

Very truly yours,

Ray C. Friesner

RCF:LM
Enc:

December 18, 1945

Mrs. H. P. Cook
Shadyside Park
Anderson, Indiana

Dear Mrs. Cook:

I have your inquiry regarding the Rose Gentian. This is not a true gentian; rather, it belongs to the Genus Sabatia. From my own observation, the seeds produced by this species are often non-viable and since the plant is an annual, it means that if the conditions are not proper for producing viable seeds, we may find that for several years after a large crop of plants it may seem to entirely disappear. At least, I remember that two or three years ago the hills in Brown County were covered with it and it has been very difficult to find any since. We collected a large amount of seed during the years when the plants were so abundant and were unable to get a single one to germinate. Apparently there are a few that do germinate in nature and these gradually build up until we get a large crop and then, if conditions are not just right, they may seem to disappear for another period of years. The plants are very much like the Fringed or Closed Gentian in general habit but not quite so vigorous and, of course, the flowers are rose-colored. The Rose Gentian (not a true Gentian) grows in very dry places on the hillsides of Brown and Morgan Counties and to a lesser degree in some other counties while the Closed Gentian and the Fringed Gentian (true Gentians) grow in wet and often boggy places.

I hope that the above will answer your inquiry. If there is any additional material you wish, I shall be glad to try to answer further questions.

Very truly yours,

Ray C. Friesner

RCF:LM

December 18, 1945

Dr. C. A. Weatherby
Gray Herbarium
Harvard University
Cambridge, Massachusetts

Dear Dr. Weatherby:

Mr. Deam, in a communication received on this morning's mail, happened to mention that he had just written you a birthday greeting and stated that your birthday is on Christmas day. I felt that you had helped me on a number of occasions in the past as you have hundreds of others and that I would like to join Mr. Deam in expressing my congratulations also.

What a satisfaction, both to yourself and to others, it must be to be able to be so helpful and at the same time to have the disposition to do so. I am sure you must have many times felt that you were too busy to comply with the multitudinous requests, and yet your generous nature made you do it anyway.

Please accept my congratulations on this birthday and wnd with them I also include the hope that you may have many more.

Sincerely yours,

Ray C. Friesner

1945 Exchange

Rx-Sp.

letter sent

- 1. California (Ca) owe us 0
- 2. Core (C) owes us 86 3
- 2-155¹²⁰ (3) Demaree (D) We owe 940 783
- 1-112¹²⁰ (4) Gray Herbarium (G) owes us 363 485
- 1-(40x3) (5) Krukoff (K) owes us 78 157
- 1-110¹²⁰ (6) Michigan (M.) University of owes us 239
we owe indef number
- 1-87¹²⁰ (7) New York Bot. Garden (N) we owe 376 289
- 1-82 (8) Oberlin College (O) owes us 48 130
- 1-100¹²⁰ (9) Oklahoma (Ok) University of - owes us 219 79
M
- 10. Rose (R) we owe 373
- 11. Stratton (S) Oklahoma A+M Coll. owes us 265
- 1-88¹²⁰ (12) Texas (T) University of owes us 413 57
- 1-132¹²⁰ (13) Washington (W) State Coll. we owe 139 07
- 1bx-85- (14) Missouri Bot. Gard (Mo) we owe 15
- 4bx-376- 15. American Bot. Exch. (ABE) George L. Fisher
611 W. Pierce Avenue
Houston 6, Texas
156x=347

American Botanical

Exchange.

Geo. L. Fisher,
611 West Pierce Ave.
Houston 6, Texas, U.S.A.

The Am. Bot. Ex. offers for the Herbarium an exchange of 3000 species of Seed-plants, 400 Fungi, a few Mosses, Lichenes, Algae, & 60 Ferns. A complete list sent if requested.

This circular is a request for specimens to make the Fern-section larger. 10 herbarium sheets, or less, accepted of species not on the following list.

The same number will be sent that you mark on the New Fern List which will be sent in 3 months to those who send in Ferns, or from a list to be printed later.

Persons sending Fern material will have first choice from the new list.

The Exchanger is to pay all postage on plants and 1/4¢ for each Herbarium Sheet sent in to pay a part for printing the Exchange List.

Plant names followed by Ab. are from South Eastern U.S.A. (Gray's Flora); As. South Eastern, U.S. (Small's Flora); Am. Rocky Mountain States, U.S.A. (Tidestrom, Nelson and Rydberg Floras); Ap. Pacific Coast States U.S. (Abrams, Howell, Jepson, Piper, Floras); T. Texas, U.S. C. Canada; E. Europe; M. Mexico.

cult., cultivated; fr., fruit or fertile; st., no fruit or sterile; fol., foliage only.

The figures, (if more than 3) after the plant names are the number of specimens in the Exchange for distribution.

Mark more than your credit as some may be out.

The following Ferns are for distribution.

Pteridophyta.

- Adiantum capillus-veneris, L. M.
Aspidium Filix mas, Sw. E. 6.
marginale, Sw. C. 5.
cuneifolium, Viv. E.
Asplenium filix-eminata, Bernh. Ae. T. & As. 8.
equisetifolium, Hoffm. E. & Am.
T. & As. 5.
Athyrium angustum, Presl. Ae. 8.
lanceolatum, Desv. T. 7.
Camptosorus rhizophyllus, Link. Ae. & As. 7.
Chalcidanthus Clevelandii, Es. Ap.
Cryptogramma acaule tichoides, R. Br. A. 7.
Cystopteris bulbifera, Bernh. C. & fragilis, Bernh. Ae. Am. Ap. 9.
Dacrydium equisetifolium, C. Chr. M. 4.
Ficus, C. Chr. M. 4.
normalis, C. Chr. T. 5.
Lindheimeri, C. Chr. T. P. 6.
patens, Kuntze. T. 3.
thelypteris, Gray. Ae. & E. 6.
Equisetum arvense, L. Ae. & E. & As. 9.
v. gigante, Kluge.

- C. compactum, Kling. str. E.
kanadense, Schaffn. A.
limosum, L.
f. rivularis, L. E.
scirpoides, Michx. E. Ap.
Gymnosorus tripartitus, Undw.
Lorinseria robusta, Pr. d. T. 9.
Lycopodium annotinum, L. Ae. & Am.
clavatum, L. Ae. C. & E. 6.
compensatum, L. fol. As. 5.
v. obscurum, Viet.
f. simplex, Viet.
obscurum, L.
v. dendroideum, Est. C. 5.
Selaginella, L. E. 5.
v. adpressum, Desv. E. & As.
Nephrodium cratichneumon, Michx.
f. furcatum, E.
Notholaena tenax, J. Sm. M.
sinuata, Kaulf. T.
Osmunda cinnamomea, L. T., As. & E. 8.
Pellaea corallina, J. Sm. M.
mucronata, Est. Ap.
Phlogopteris alpestris, Mett. Am. 8.
Dryopteris, Fr. Ae. C. & E. 8.
Pityrogramma triangularis,

- Maxon. Ap.
Polypodium carolinicum, Kaulf. madreporae, J. Sm. M. 9.
Scouleri, H. & G. Ap. 9.
vulgaris, L. E. 5.
Polystichum adiantiforme, Sm.
Lanceolatum, Roth. E. 9.
montanum, Presl. Ap. 9.
Pteris aquilina, L. v. pubescens, Undw. Ap.
Cretica, L. E.
grandifolia, L. M. 5.
Selaginella apoda, L. As. 9.
euryneura, A. Br. M. 9.
rupicola, Spring. Am., Ae. & As. 8.
Tectaria heracleifolia, Undw. M.
Thelypteris spinulosa, Muell. Ae.
Woodia liveasis, R. Br. C. 9.
obtusata, Torr. T. 4.

FOR SALE HERBARIUM

Offers at 10¢ each and postage
Fens from H. Hawaii. As. Asia.
M. Mexico. Au. Australia. SA.
Central and South America. Af.
Africa. Al. Alaska.
All others for 7¢ each.

- Adiantum capillus-veneris, L. H.
chilense, SA.
concinnum, H. & B. M.
Jordanii, Muell. Ap.
philippense, Burm. M.
Poreti, Wilkes. M.
recurvum, Sw. M. Java.
Antrophyum semicordatum, Bl.
Aspidium acuminatum, Sw. Af.
Asplenium adnigrum, Mild. E.
bulbiferum, Forst. Au.
cuneifolium, Viv.
f. argusifolium, Asch. E.
v. anthracifolium, Asch. E.
ruta maritima, L. E.
f. suberulifolium, Chr. E.
speciosum, Hoffm. Am.
triphyllum, Presl. SA.
Blanchardii, L. H. & M.
Patesch, Mett. Au.
spicata, Roth. f. typicum, E.
constitutum, E.
Bostrychium obliquum, Muhl. C.
virginicum, Sw. Ae.
Cheilanthes angustifolia, H. B. K.
californica, Mett. Ap. M.
Eatonii, Baker. T.
Kaulfussii, Kuntze. T.
leucopoda, Link. M.

- microphylla, Sw. M.
myosyllis, Desv. M.
pruinata, Kaulf. SA.
pyramidalis, Fee. M.
Cryptogramma acaule tichoides, R. Br. Al.
Cyrtonia caryophylla, Pr. d. H.
Dendrobaena rubiginosa, Moor. M.
Dicranopetalum linearis, Undw. H.
Doodia Kunthiana, Gaud. H.
Doryopteris depiciens, J. Sm. H.
Dryopteris denata, Chr. H.
equestris, Chr. M.
filix-mas, Schott.
v. dorsilobata, Hay. E.
Linnæana, Chr. Al.
nigrovenia, Chr. M.
palacea, Hilleb.
v. fusca, Chr. H.
pinnata, Undw. M.
hegopis, Chr. Al.
rigida, v. arguta, Undw. Ap.
serotata, Chr. M.
spinulosa, Kuntze. E. M.
Elaphoglossum americanum, Chr.
Equisetum arvense, L. Al.
hiemale, L. E.
v. californicum, Mild. Al.
limosum, L. Al.
silvaticum, L. Af.
Gymnomis sulfurea, Desv. Jamaica.

- Hymenophyllum microcarpum, D. v. Jamaica.
Isoetes lacustris, L. v. vulgare, E.
Llavea cordifolia, Lag. M.
Lycopodium alpinum, L. As.
alpinum, L. Al.
annotinum, L. Al.
clavatum, L. Ae. & C.
f. monst. frondescens, Luer.
f. remotum, L. v. E. E.
lucidulum, Michx. C.
obscureum, L. Ae.
phyllanthum, H. & A. H.
prostratum, Chapm. As.
Sergii, L. v. alpina, Am.
v. recurvum, Desv. F.
Lygodium venustum, Sw. M.
Martiana, Meisner. A. Br. M.
venosa, Hook. & Grev. T.
Microlepia sirigusa, v. hirta, Hill.
Notholaena vivida, Desv. M. H.
Parietaria, Est. Ap.
sinuata, Kaulf. A. & M.
v. integrissima, Hook. T.
Ophiodes macrocarpa, Degen. H.
Osmunda Claytoniana, L. Ae.
Pellaea andromedaefolia, Fee. Ap.

- atropurpurea, Link. Ae.
flexuosa, Link. T.
fornosa, Maxon. M.
Phanerophlebia membranacea, Fourc. M. M.
Pityrogramma calonea, Link.
Polypodium bairdianum, Brack.
Hookeri, Brack. H.
lineare, Thunb. H.
pellucidum, Kaulf. H.
polyplepis, Roem. M.
sarmientosum, Brack. H.
spectum, Kaulf. H.
thunbergii, A. Br. M.
virginianum, L. C.
vulgare, L.
pseudangustum, Schmidt. E.
Polystichum acaule tichoides, Schott. Ae.
platyphyllum, Pers. SA.
teretis nodulosa, Nieuw. fol. C.
Ptilium caudatum, Maxon. M.
aquilinum, Kuhn.
v. latiusculum, Undw. C.
Pteris grandifolia, L. M.
irregularis, Kaulf. H.
longifolia, L. M.
Selaginella euryneura, A. Br. M.
involuta, Sprin. A. A.
Tectaria heracleifolia, Undw. M.
Gaudichaudii, Maxon. H.
Trichomanes radicans, Sw. SA.
Tritichia hypnoides, Spreng. SA.
Vittaria rigida, Kaulf. H.

A classified List of 6000 Ferns and Seed-plants of Tex. s. all uncultivated, by Cory and Paika. 130 pages. Issued in 1937. 50¢ post paid. Stamp accepted.

- Polygonum sagittatum, L. Ae. & tenuis, Michx. Ae. C. 9.
 tomentosum, Willd. Asa. 5.
 viviparum, L. Am. & E.
 Polygonum monspeliense, Desf. T. A. Ap. & E. 8.
 Polygremum procumbens, L. T. 9.
 Polyptrichum Hookeri, Gray. T. roseum, Bush. T. 5.
 Polystachya Nuttallii, DC. Ae. 1.
 Ponicia trifoliata, Raf. adv. T. Ponicia Fremonti, Wats. Ap. Sargentii, Dode. Ae. tremuloides, Michx. C. richocarpa, Hook. fol. Ap. Portulaca pilosa, L. T. 6.
 P. amogeton alpinus, Balb. E. americanus, C. & S. A. crispus, L. E. 4.
 epiphyllus, Raf. Ae. gramineus, L. cult. E. acropylus, Schreb. C. & Ae. lucens, L. fol. E. & Ap. & Ae. marinos, L. cult. E. o. tosilofus, Mck. E. pectenatus, L. Ae. perfoliatus, L. E. 6.
 polygomifolius, Pour. fol. E. 6.
 praedon, Wulf. E. 6. & E. zosterifolius, Schum. fol. As. & Ae.
 Potentilla Anacina, L. E. 4. arvensis, Borkh. & ver. L. E. argentea, L. A. & E. 6.
 acrotensis, Rydb. Am. 7.
 cavaeana, L. Ae. effusa, Dougl. Am. 7.
 frutescens, L. Ae. & Am. 5.
 glandulosa, Lindl. Ap. 7.
 glaucophylla, Liebm. Am. 7.
 gracilis, Dougl. Am. & Ap. 8.
 niva, L. Am. 9.
 Not alii, L. fm. Am. 7.
 palustri, Scop. Ae. & C. pennsylvanica, L. C. & Am. 6.
 reira, L. Ae. simplex, Michx. Ae. tridentata, Soland. Am. Prenanthes exigua, Rydb. Am. Prenanthes alba, L. As. Pim. la officinalis, Jacq. E. 8.
 Proserpi. a palustris, L. Ae. Prosopis glandulosa, Torr. T. 8.
 rubra, B. n. Am. 8.
 Prunella rac. diffusa, L. E. 6.
 lucida, L. E. 8.
 vulgaris, L. E. 8.
 vulgaris, L. Ap. C. Ae. & Ar. v. lanceola, A. Fr. T. 6.
 Promis americanus, Marsh. T. &
- Ae. 9.
 anacutifolia, Marsh. T. 5.
 caroliniana, Att. T. 9.
 demissa, Walp. Ap. 5.
 lanata, M. & C. Bush. T. 5.
 melanocarpa, Rydb. Am. pennsylvanica, L. C. A. virginiana, L. A. Ap. 5.
 Psathyrotes ram. sessima, Gray. Psedon s. ga mucronata, Sudw. Am.
 Pelocarya nitens, Wood. Ae. 9.
 Psilostrophe Cooperi, Greene. Am. ta euiae, Britt. T. & Am. 9.
 Psilo. um nudum, Griseb. Hawaii. Psoralea a. gop. ylla, Pu. sh. A. 9.
 dignatus, Nutt. Ae. escentia, Pursh. Ae. foribunda, Nutt. Ae. la. ceolata, Pursh. Ae. 5.
 macrostachya, DC. Ap. pedunculata, Vahl. As. 5.
 psoraloides, Cory. v. glandulosa, F. cem. Ae. 8.
 rh. m. folia, T. & G. T. te. uislo, A. Pur. v. Ae. 6.
 v. floribunda, Rydb. Ae. Ptelea tomentosa, Raf. T. trifoliata, L. T. Am. Ae. & 6.
 v. mollis, T. & G. T. 5. As. 9.
 Pterocaulon cyneus achyum, Ell. v. virginicum, DC. T. 5. As. 5.
 Pterohuca nemaeus, Cass. E. Ptilimnium capillaceum, Raf. Ae. & As. 9.
 lacinia, um, Kuntze. T. 5. Nuttallii, Bott. T. & Ae. 9.
 Puccinella distans, Presl. E. 7.
 Pulmonaria angustifolia, L. E. lungifolia, Balb. E. Pulsatilla hirsuta, Britt. Am. Purshia tridentata, DC. Am. & Ap. 5. T. 9.
 Pycnostachyum flexuosum, R. S. P. muticum, Michx. Ae. pilosum, Nutt. Ae. 8.
 Pyracantha coccinea, R. m. cult. Ae. 9.
 Pyrethrum roseum, B. E. cult. Pyrola as. folia, Michx. C. chil. ant. a. Sw. Am. & C. v. convoluta, Fern. L. Ae. elliptica, Nutt. A. & C. 6.
 minor, L. Av. & E. 7.
 secunda, L. Am. & E. 7.
 uniflora, L. E. T. 5.
 Pyrethrum multicaule, DC. Quamassia Leichlii, Corl. Ap. Quam. d. coccinea, Moench. As.
- Quercus alba, L. T. 8.
 bicolor, Willd. T. 8.
 caryocarpis, Liebm. Ap. 5.
 coccinea, Muench. Ae. 9.
 digitata, Sudw. T. 8.
 Da. nandi, Buckl. T. 7.
 grisea, Liebm. Am. 9.
 ilicifolia, Wang. Ae. 6.
 imbricaria, Michx. Ae. Kello. gi, Newb. Ap. macrocarpa, M. & C. Ae. 8.
 mollis, Mart. & Gal. M. nigra, L. T. 9.
 pago. laria, Ash. T. 8.
 Puel. s, L. T. 8.
 platanoi. s, Sudw. fol. Ae. polystachya, Wall. A. 5.
 prinoides, Willd. Ae. 5.
 prinus, L. T. 5.
 s. ellata, Wang. Ae. 4.
 texana, Buckl. T. 9.
 velutina, Lam. Ae. 8.
 Wislizenii, DC. Ap. 8.
 Radical. Masturtium-aquaticum, Britt. & Pe. d. A. & C. palustris, Moench. Am. & Ae. sinuata, Greene. Ae. sylvestris, Dr. ce. Ae. Radiola Linoides, Roth. E. 8.
 Ramona s. achyroides, Brice. Ap. Ranunculus abortivus, L. Ae. C. acer, L. E. & Am. 5.
 aquatilis, L. v. capillare, DC. E. biflorus, Koch. E. bulbosus, L. E. C. forficatus, Benth. Ap. 8.
 v. cuneatus, Greene. Ap. 8.
 cymbalaria, Pursh. C. frascularis, Muhl. C. flammula, L. v. reptans, Mey. & Schlecht. A. & Ap. 8.
 glaberrimus, Hook. Am. gramineus, L. cult. F. hebecarpus, H. & A. Ap. 4.
 hispidus, Michx. Ae. 7.
 immanis, Greene. Am. lanuginosus, L. E. 7.
 ligula, L. E. muric. t. s. L. T. 9.
 Nevilii, C. Bor. E. 8.
 occidentalis, Nutt. Ap. v. Esc. ni, Gray. Ap. pennsylvanica, L. f. Ae. platangifolius, L. E. recurvatus, Poir. Ae. & C. repens, L. C. v. erectus, Gaud. E. Upleno, Hort. adv. As. 9. & E.
8. scl. ratus, L. Ae. Ap. & E. 7. splenionalis, Poir. Ae. Rapistrum rug. sum, All. E. 8. Rati. ida columnaris, Don. Ae. Reseda argentea, Loe. & Pard. luteola, L. E. E. phyteuma, L. E. Rhamnus alnifolia, L. Her. Ae. californica, Esch. Ap. 5. crocea, Nutt. fol. Ap. la. ceolata, Pursh. Ae. Rhaxia albanus, Walt. As. 9. mariana, L. T. & A. 8. Nashii, Small. As. vir. idica, L. Ae. & As. 5. Rhododendron canadense, B. S. P. maximum, L. Ae. Ae. 9. Rhodotypos kerrioides, S. & Z. cult. As. 9. Rhus copallina, L. T. 9. coriaria, L. cult. E. co. mus, L. cult. E. gl. ara, L. Ae. hirta, Sudw. Ae. toxicodendron, L. Ae. 6. triloba, Nutt. T. & Am. 9. Rhynchosia Wallichii, Benth. As. 5. Rhynchosia erecta, DC. As. la. folia, Nutt. Ae. 7. simplicifolia, Wood. As. Ribes cereum, Dougl. Ap. & Am. malvaceum, Sm. Ap. 8. 7. sanguineum, Pa. sh. v. Clintonii, L. Loud. Ap. 9. Richardia scabra, L. T. & As. Ricinus communis, L. cult. C. Riddellia gnaphalodes, DC. T. Rigiopappus leptocladus, Gray. Ap. 8. Ro. inia albicans, Ashe. cult. As. Elliottii, Ashe. As. 9. hispida, L. cult. As. f. alba, Schallert. cult. As. 8. nana, Schuch. As. 8. pedunculata, Ashe. As. 9. pseudococcinea, L. A. & C. 8. speciosa, Ashe. As. Roripa. apa. riaca, Bess. E. palustris, Rebb. E. v. hisida, Rydb. C. silvestris, Bess. E. 7. sinuata, Hitche. Ae. 4. Ro. x. la. ca, Vill. v. c. nictula, Alm. q. E. humilis, Marsh. Ae. Lyo. i, Pursh. Ae. Sylvi. Schw. Am. 9. sticera, Michx. Ae. 7. Woodsia, Lindl. Ae. 4.
- Roubieva multifida, Moq. adv. Rubus alii. nensis, Porter. Ae. castoreus, Liebm. E. 4. cuneifolius, Pursh. Ae. 8. odoratus, L. E. 9. parviflorus, Nutt. Ap. & Am. prasiensis, Rydb. T. 5. prunus, Ashe. E. 7. spectabilis, Pu. sh. Ap. & C. 9. trivialis, Michx. T. vir. idica, C. & S. Ap. Radbeckia amplexicaulis, Vahl T. & Ae. 7. bicolor, Nutt. T. 7. Chapmanii, Bo. v. & Beadl. As. fulgida, At. v. hirta, L. T. 9. lacinata, L. Am. v. l. pl. no, Hort. cult. As. 9. Mohrii, Gray. A. nitida, Nutt. T. 5. v. c. nictula, Wender. b. cult. E. & Ruella ciliosa, Pursh. Ae. Ae. hybrida, Pursh. As. 8. strepens, L. Ae. Rumex acetosa, L. E. acetosella, L. Ae. f. tenuifolius, Wallr. E. angustifolius, Roth. E. f. rubropuncta, A. Beck. E. f. tenuifolius, Wallr. E. 5. crispus, L. As. & Am. & Ae. 5. hymenosephalus, Torr. Am. 8. mexicanus, Meisn. Am. 4. paucifolius, Nutt. Am. 4. pulcher, L. T. E. scutellus, v. glau. us, Gaud. Sen. eri, Reichgr. E. venosus, Pursh. Ae. 8. Ruta braccosa, DC. E. 6. Am. Rydbergia grandiflora, Greene Rynchosia alba, Vahl. E. caeca, Ell. T. 9. corniculata, Gray. T. 5. cymosa, Ell. T. 8. glomer. a, Wahl. As. macrostachya, Torr. T. 5. Sabal glabre, Varg. T. 5. Sabana angularis, Pursh. Ae. campanulata, Britt. As. 9. campestris, Nutt. T. 8. car. oca, Small. T. 8. dod. ca. d. r. B. S. P. As. 9. lanceola, L. T. & G. S. Ap. 4. Sabulina texana, Rydb. Ae. Sagina decumbens, T. & G. T. 5. nodosa, Fe. n. E. 7. Sagittaria lan. idica, Engelm. T. obtusa, Willd. E. Complete Dec. 1 1944.

Sq. B. 134th A.F. Base Unit (F)
Army Air Field Escoda Michigan.

Dear Dr. Friesner:- I am sending under separate cover a small group of *Solidago* which I collected in the vicinity of our base in northern part of Michigan. I would greatly appreciate you checking determinations which were made under rather adverse conditions as most of my library is packed away and in storage for the duration.

You may retain these specimens. Do not class them as exchange but some day I hope to again resume our exchange of specimens.

Inclosed is an addressed envelope for your reply.

- 34206 - *S. juncea* (ait) - Gosco Co ait
- 44217 - *S. uliginosa* - " " Nutt
- 44208 - *S. juncea* " " ait
- 114284 - *S. nemoralis* " " ait
- 124287 - *S. lupulina* " " Nutt
- 1-4205 *S. "* " " Nutt
- 64211 - *S. rugosa* " " Nutt
- 4-4226 - *S. spargangolia* var *nuttallii* (Greene) Fern
- 4-4209 - *S. altissima* L
- 4-4207 - *S. nemoralis* Ait
- 7-4212 - *S. nemoralis* Ait
- *4228 - *S. speciosa* Nutt
- 13-4288 " " "

Sincerely yours
Cpl. Harper A. Longbridge.



ARMY AIR FORCES

Sq B. 134th A.F. Base Unit (F)
 AAFld Escorte Unit.

Dear Dr. Friesner: I wish to thank you
 for the prompt reply on the Golden Rods.
 I seem to be slipping on identification as I was
 in doubts about some and wrong on others. My
 regret is that I did not have a greater number
 for you to look over.

I do not know if I will be collecting in the
 future as I am scheduled to move to Selfridge
 Field soon & then what? Where? no one knows.

Dr. Hermann did the Caryx group for me and among
 the lot were 15 new records for Innes County.
 Not bad for my meager facilities, time, etc.

Best wishes for your summer season
 G. L. Gager & Longbridge.

1 As to the Australian Pine N.B. 1945
2 got that particular specimen
at the bridge from the mainland,
on Hypoluxo Island, Palm Beach
County, and I think Feb. 15th
would be about the right date
as your letter acknowledging its
arrival is dated Feb. 21. The
trees are all bare of cones now,
by the way - The ground
beneath is a mass of them, plus
dead needles. They are
really about as messy a tree
as the Eucalyptus in Calif -
pretty viewed from afar, but

truly the greater the distance the
greater the charm. They say
they make good windbreaks
for orange groves. The ground
beneath them is almost 100%
sterile of other growth. There
it was sandy, of course, as is
almost all ground hereabouts.
I have seen a few plants of the
common "Vinca" (The Small calls
it Catharanthus roseus (L.) G. Don.)
growing under these trees, but
usually nothing. The little
"cones" are used extensively here
in making decorative "flowers"
to pin to ones coat or wear in
ones hair. or some other more or
less gaudy concoction. Some are
very clever. but not much to
say for others. Anacario

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34c to return

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