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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.



THIS SIDE OF CARD IS FOR ADDRESS

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

Bureau of Plant Industry
U. S. Dept. of Agriculture
Washington, D. C. Sept. 2, 1942.

Dear Dr. Friesner :- I regret very much that I am unable to send you a copy of the Checklist of Plants in the Washington-Baltimore Area. I received no personal copies of this list since it was mimeographed by the Smithsonian for the members of the Conference on the District Flora whose dues defrayed the cost of getting it out. Dr. E. A. Walker of the National Herbarium, had charge of its distribution and the few extra copies, after the members of the Conference were supplied, were sent out to the largest herbaria and libraries. I tried to get the Smithsonian to mimeograph a larger number, but they are very tight.

With kindest regards, Sincerely, F. H. Rasmann

September 4, 1942

My dear Dr. Friesner, -

We members of the
Tall Creek Garden Club offer you
our most hearty thanks for
your fine and instructive talk
to us last Friday. We
appreciate your generosity with
your time and experience,
and some of us are already
hard at work putting your
suggestions into practice! -

Sincerely yours
Dorothy K. Greene, Secretary

September 5, 1942

Dr. Lyman B. Smith
Gray Herbarium
Harvard University
Cambridge, Massachusetts

Dear Dr. Smith:

Please accept my sincere thanks for your help in regard to Centaurea vochinensis. It was stupid of me not to note the leaf characterization in the key in the Manual. Apparently, what I did was to run it down to the species and then turn over to the description which did not happen to repeat the leaf characterization of the key. Then, lacking any description of the leaf in the text and forgetting that I had just had it in the key, I turned to Britton and Brown where the description called for a simple, entire leaf. So much for my alibi! I am sorry to have caused you the trouble, but I appreciate your help greatly.

Sincerely yours,

Ray C. Friesner

RCF:mb

DEPAUW UNIVERSITY
GREENCASTLE, INDIANA
DEPARTMENT OF BOTANY

Sept. 6, 1942

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

Dear Dr. Friesner:

I wish to prepare another number in the series of Studies in Indiana Bryophytes for the October meeting of the Indiana Academy of Science. Will you please send at my expense the Indiana material in the following genera? If you can make me this loan it will be very greatly appreciated.

Timmiaceae: Timmia ² None

Aulacomniaceae: Aulacomnium ¹

Bartramiaceae: Bartramia, Catoscopium, Plagiopus, Philo-
notis ^{none} ^{none} ^{none}

Ephemeraceae: Nanomitrium, Ephemerum ^{none} Physcomitrella ¹

Disceliaceae: Discelium ^{none}

Funariaceae: Funaria, Physcomitrium, Aphanorhagma, Pyra-
midula, Entosthodon ^{none} ^{none} ^{none}

Thank you for your co-operation.

Sincerely yours,

Winona H. Welch

Winona H. Welch
Prof. of Botany

from EK

Kokomo, Indiana, Sept. 6, 1942.
1812 No. Purdue St.,

My Dear Dr. Friesner!

Planned to scribble to you 2-3
days ago.

Was over to Logansport Aug. 25. -
Nothing to boast of. - A few new
Cb. Records - 1 course. - Made about
40-50 sheets of *Hieracium canadense*.
Was up in Elk Hart Co. - Went Sun.
Aug 30 - worked a little that day -
Was out in field all day Mon +
until 3 P.M. Tues - with Prof.
Daniel W. Britner, of Goshen College.
He knows the Flora much better than
I was expecting - very modest. - + we
had a good time. - Also knows the
birds - ferns - + mushrooms, better
than I do - While with him - I
got 3 species - new to me - *Paspalum*

pubescens - my first *Paspalum* -
Trifolium ~~terrestris~~ *arvense* - and *Geranium*
Robertianum - Med. - went along RR
W. Elkhart yards to St. Joseph line. -
- Got *Sporobolus cryptandrus* - new to
me. - Brought back enough for
9 big stocks! - Possibly a new species
of *Aster*. *Salidago*. *Desmodium* or a
new *Scopeloglossa*. - Two sheets of
Corispermum that may be *C. nitidum*.
Don't know. - So little literature -
Got a surprising number of new CO. Records.
Today. - Pm. - went 5 mi. distant. - last.
+ got big wheel load of *Eupatorium*
perfoliatum, for Krukoff.
Other day, farmer 1 mi. east - said
there was a strange weed in his pasture -
- Went over Sat. evening - + strange it
proved to be - *Salvia reflexa* - I
wheeled over today + got wheel load. - It was
one that Krukoff had asked for. - !
Lucky for " and me too. -

I made 2 big³ stacks of it in specimens,
before I had determined it. - Only 5
Co. in Ind. -

I am Hoping + Trusting
that Nothing will prevent our
long-planned sojourn to the
co-region. - I am insisting
that I pay the Cabin fares.
should also pay the Eats. - ---- "Bread
& Bologna - - -

Eleven Bells - And I must to
Bed so - as Pepys would say -

If I don't hear from you - I'll
be up at 3 - + ready to go at 4 AM.
or earlier - A postal would
re-assure me -

Hope Butcher is OK - a good
enrollment. - that your + Dr.
Patzger Classes are starting fine

4.
 Trust Mrs. Friesner is well
 and school work is beginning as
 usual. -

With Very Best Wishes.

Very Sincerely -

Yours -
 C. M. Ek

P.S. - Mom - Have some broom-sticks
 for future quadrat work.
 I'll try + have some books selected - or in
 mind - all these on your return trip.
 In order that I can go to Lafayette
 sooner - may be you can dry some of my
 sheets. - But I suspect you'll have
 enough of your own - getting back so
 late. I'm sure. We will see. - and so,
 until further notice - - - See you 4 Apr
 or earlier - according to Postal. - C. M. E.

CHAS. C. DEAM
BLUFFTON, INDIANA

Sept. 7 1942

Dear Friesner: This is no time to write one who is as busy as you must be upon the beginning of the School Year. But I have this virus in my system and I want to get it out while I think of it.

First I note on my Calender the 15th of Sept. will soon here,--the time to collect the Gentiana for Clausen. I now find it will be impossible for me to get up there. Svenson wrote me that he hoped to visit me the last of August. I received a letter from one Thursday morning that he would be here the next morning. So I began to hustle around and before noon that day I received a telegram he had illness in his family and he could not come and I have not heard from him since, so I take it we will not be going up there at all. He may drop in any old time and if he does I will inform you at once.

Well here is the cause of this note. Last week I received back my Vaccinium from Camp of the New York Garden which I sent him in 1937 before the Flora was written. I have not heard from Camp, he is down in Haiti collecting, but Wittrock wrote me he sent me the specimens, I presume upon orders of Camp. Well the interesting thing or the provoking thing is that the genus Vaccinium in Indiana is no more as you and I and others know it. Camp has gone to length to write long notes in type writer and pasted them on the sheets, etc. I can not take the time or your time to review the group. But here are the essentials. He says that in former geological ages *see Bull. Torrey Bot. Club 68: 100-101. 1891* the genus was wide spread and that doubtless the species hybridized and then their progeny became promiscuous and I take it that now no one but God and Camp knows them and too Camp confesses he does not know them and many or almost all determinations end with "towards" some other species. So some have long notes on them telling that it really may be this or that or what not. Camp's date of determination is 1942 so he deferred naming until he had studied the group pretty well.

Deam 7-18-42

In his notes he discusses hybrids and says this species is a diploid and others are some other ploid, etc. way above my head. So the whole genus has been taken out of the hands of the amateur. My specimens show the following new species, a few just raised to species rank and *Vac. staminum* and *Vac. neglectum* are combined, so now if we wish to recognize the *V. neglectum* we must make a new comb and use forma.

My specimens show the following new names: *Vaccinium arkansanum*, *V. atrococcum*, *V. australe*, *V. Brittoniae* (this is the *Vac. nigrum* of the Flora) *v. missouriense*, *V. pallidum*, *V. simulatum*, *V. Torreyanum*, *V. viride*. Practically all the *V. vacillans* of the unglaciated area now becomes *V. Torreyanum*. The tall *V.* of the knobs with black fruit (*V. vacillans* var. *crinitum* of the Flora) now becomes *V. simulatum*, with a mixture of other species. Now the question is what are we to do with such a mess. I understand that Camp has two papers in press in *Brittonia*. Do you take this publication? If not I will loan you mine when they come out. Too may be Camp will send me separates. Now here is the way I see it. As it ~~now~~ now will be the Flora treatment is no good any more. I think probably the thing to do is to let it all ride until Camp publishes and then we can publish my specimens and also those in other herbaria if you can check them up. Do not depend upon me to do any thing. My health is getting so ^{in taxonomic} am not fit to do any thing constructive any more, especially to go into this *Vaccinium* business. I thought if I was able to attend the winter meet of Acad. I might take 3-5 min and tell about the "New Deal" which may encourage others to collect or discourage them altogether. Well such instances are hard to handle. Probably you could use my specimens (after Camp publishes) as a base and borrow all the Indiana material and publish a paper on the *Vaccinium* of Indiana with ~~xx~~ a key. This job should be done as soon as possible by some one competent to do so, so that future collections can be properly named and the state distribution be mapped.

Now do not reply to it until you have ample time. I am trying to keep my desk clean because I do not know when my gun will set. Here are my best wishes to you and your associates. Sincerely yours, Chas. C. Deam, Bluffton Ind.



THIS SIDE OF CARD IS FOR ADDRESS

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

Sept. 10, 1942

Dear Dr. Friesner:

The box of mosses arrived today in very good condition. Thank you for your co-operation and your promptness.

Sincerely yours,

Winona H. Welch
Winona H. Welch

September 9, 1942

Dr. Winona Welch
DePauw University
Greencastle, Indiana

Dear Dr. Welch:

I am sending for your examination 2 packets labelled Aulacomnium,
1 labelled Bartramia, 1 Physcomitrella and 1 Physcomitrium.

I am sorry that we have not been able to give more attention to
the mosses in our herbarium. There is no hurry about their return.

Sincerely yours,

Ray C. Friesner

RCF:mb

THE UNIVERSITY OF MIAMI

CORAL GABLES, FLORIDA

Sept 11 1942

Mr Ray C. Friesner
Butler University
Indianapolis, Ind.

Dear Mr Friesner:

I once asked Dr Small what he would call a certain goldenrod that I had seen around here. He said it was Chapmanii. I didn't agree with him but could not do anything with it at the time. Since then I either forgot to look for it or didn't have the time at the right season.

Recently I have been trying to decide what it is and would like your opinion on it. Will not say what I thought it was until I hear from you. However neither the descriptions nor any specimens I have agree with what I called it at first.

There is no hurry about it so just look at it whenever you have the time.

The plants are growing in dry sandy rocky pineland 5-16 dm tall, usually little branched unless broken off. Stem red or purplish-red, green or slightly purplish on young plants, finely pubescent all around, usually densely leafy from base to top, the leaves much the same size and remaining on the plant to base when in bloom.

Some plants 12 dm tall with leaves so dense it is somewhat spike like, little noticable difference in width of plant from base to top, leaves 5-6 cm wide at base (across the plant) tapering very gradually to about 2 cm at top, leaves about 5 mm distant to 2-3 mm at top.

Leaves linear-lanceolate, sessile, entire, glabrous, usually reflexed and much twisted, 1-3 cm long, 5-12 mm wide, edge of leaf purple and midvein often partly or wholly purple.

Flowers in terminal panicles in one-sided racemes, deep yellow, bracts the same deep yellow. Heads small and slender, 2-5 small rays, some so small they are scarcely noticed, 3-5 disk flowers. Some heads with more rays than disk, some the other way and some equal.

The most noticable thing about the plants is the small much twisted and reflexed leaves, much more twisted than on tortifolia. They are hard plants to press.

Don't return the specimens.

Sincerely yours,

H. M. Buswell

AGRICULTURAL EXPERIMENT STATIONS
COLLEGE OF AGRICULTURE
UNIVERSITY OF FLORIDA
GAINESVILLE, FLORIDA

HERBARIUM
DEPARTMENT OF
PLANT PATHOLOGY

September 14, 1942

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

Dear Doctor Friesner:

This box comes to you express collect and contains specimens of south Florida plants collected by Dr. L.E. Scull and sent on to you at her request. Those bearing determinations were identified by me. I trust that you will not find any errors.

Very truly yours,

Lillian E. Arnold
Lillian E. Arnold
ASSISTANT BOTANIST

L. KNUDSON, PROFESSOR
A. J. EAMES, PROFESSOR
L. W. SHARP, PROFESSOR
O. F. CURTIS, PROFESSOR
L. C. PETRY, PROFESSOR
W. C. MUENSCHER, PROFESSOR
L. F. RANDOLPH, PROFESSOR
D. G. CLARK, ASSISTANT PROFESSOR
R. T. CLAUSEN, ASSISTANT PROFESSOR

NEW YORK STATE COLLEGE OF AGRICULTURE
AT CORNELL UNIVERSITY
ITHACA, NEW YORK
CORNELL UNIVERSITY AGRICULTURAL
EXPERIMENT STATION
CARL E. LADD, DEAN
DEPARTMENT OF BOTANY

September 21, 1942

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

Dear Professor Friesner:-

The parcel containing the collections of anthers and ovaries of Gentiana puberula reached here in good condition. Hearty thanks for your good cooperation! I greatly appreciate your efforts to get me satisfactory material for cytological study, though I fear, as you seem to have suspected, that the material is probably too far advanced. Miss C. L. Rork, who is working with me on the gentians, will examine the material critically and if there is any chance of getting preparations of chromosomes from it, you may be sure that she will do so.

Sincerely,

R. T. Clausen

R. T. Clausen

RTC:EMD

September 16, 1942

Dr. Robert T. Clausen
Department of Botany
Cornell University
Ithaca, New York

Dear Dr. Clausen:

Under separate cover I am sending you collections of anthers and ovaries of *Gentiana puberula*. I fear that all of the material is too far advanced to be of value for your purposes. I collected the youngest material available from three different stations as follows:

~~*Gentiana puberula*~~ ~~Pax~~ *Saponaria* L.

17445. [^] Slight depression in sandy-peaty soil along the New York Central railroad about 1 mile east of the station at South Waverly or 0.3 mile east of Rd. 43, Laporte county.

Gentiana puberula Mx

17507. [^] Sandy-peaty margin of an old sand-filled bog on the east rim of a black-oak sand ridge on the east side of Rd. 10, 2.4 miles south of the junction of Rd. 53 and 10 (at Denotte), Jasper county.

Gentiana puberula Mx

17519. [^] In low sandy-peaty soil on north side of Pa. Railroad about 1 mile west of Goodland or 0.2 mile west of Rd. 55 and the railroad, Newton county.

I am enclosing a map with locations of collections and will send pressed herbarium specimens as soon as they are dry. I am not entirely certain regarding determination in the case of 17445. There is a possibility that this may be *G. saponaria* instead of *G. puberula*. The anthers tended to cohere but not the filaments; also the sepals seemed too wide for *G. puberula* and especially wider at or above the middle than at the base. After I have had time to study specimens under this number more carefully I will write you my conclusion. The other two numbers are undoubtedly *G. puberula*. There was no tendency for the stamens (either anthers or filaments) to cohere and the sepals are strictly linear and about 1-1.5 mm wide.

In number 17445 I included a couple of young stem tips thinking they might reveal some somatic chromosomes usable as a last resort.

I hope this may be of value to you but I fear strongly that it will not. In case it is of no value I will try again another year a little earlier in the season.

Sincerely yours,

Ray C. Friesner

September 23, 1942

Dr. Robert T. Clausen
Department of Botany
Cornell University
Ithaca, New York

Dear Dr. Clausen:

Under separate cover I am sending you specimens of *Centiana* taken from the areas from which material was sent to you last week.

After studying the material in the laboratory I have decided that number 17446 is *C. saponaria* as I decided in the field. The other two numbers (17507 and 17519) are undoubtedly *C. ruberula*. In case you do not agree with me in the determinations, I would appreciate learning your conclusions.

I can send you additional specimens of any of these numbers, should you care for them.

Sincerely yours,

Ray C. Friesner

RCF:mb

Kokomo, Indiana, Oct. 2, 1942.
1812 North Purdue St.

From EK

My dear Dr. Friesner:

The big package of dried specimens
came Tues. P.M. just as I was

getting ready to depart for Lafayette.

Will give you a brief resume
of my journeys since these very
unusual and eventful days - Sept. 12-13.

Letter from Dr. Dean Sept. 15 - saying
Dr. Svensen was to come & they were to go
somewhere - & might return via Kokomo.
I stayed home Wed. - On Thurs. rain - &
on Fri. - went to Hobbs - E. of Tipton. &
worked R.R. 2 mi. E - W. & East. Got
some grasses New & Co. - Sandburr! - *Prodia*
flava - *Diarrhena americana*. *panicum*
dichotomiflorum - Best find of day & was a
big colony - *Coccolia suaveolens*. - 1/2 way
down a short R.R. embankment - dense - pure stand -
- 20° 25' low - south side R.R. - County is
very level here - no creeks - soil rather
dry - out of flower - poppus seeds showing.
but found enough heads intact to make
you a good set. - if you can use them.

Some other New Co. records. May be
the Cacalia was worth the trip, I had
loved to try Clinton Co. again - I did.
- Sept 22. - Went to Michigantown. I
thought Boylston was on Wells Plot.
- It is! ~~to~~ but on line Tipton to
Frankfort. So all I could do was to
work R.P. E. + W. Michigantown - i.e.
down + then back. - Returning I
traveled thru woods - Cornfield -
soy-bean field. old pasture. If I was
a rhymester or jingle jinger-maker,
I'd give you a parody on Old
Mother Hubbard - - - - - Old
Grandpapa Ek - going to Clinton Co.
+ finding nothing but Deans
mine - run weeds. - Only a few
New Co. records. - Found for 1st time
a soy-bean field full of Side spirosa
+ a Corn " with Euphorbia
dentata as a weed. I was out 129
bus fares. - But since you + Dr. Potyger
had paid my bus fare to Ind. pl's

From Ex
2-8-42

3.

several times (every time) I regarded this as your money - & only hope the few new Butler records may justify it. Outside of local trips, which I make for specific purposes, it was the barest trip this year. I made both these trips while the Mrs. was in Lafayette. So she doesn't know it was a phizzle.

Was planning to go to Lafayette Sept. 24-25 - when letter from Brinkhoff (Secretary) wanted 5 species: - *Hypericum* (scyon) - *Maclura pomifera*, *Erigeron annuus*, *Oriostem perfoliatum* - & *Silphium laciniatum*. I know all of these & where they grow. - Got the *Oriostem* same day - 1-2 mi. E. on RR - only station here. Sept. 25 - went 4 mi. W. Bunker Hill to big station for *Hypericum* - It rained - & snowed & sleeted. - I was in it - Really - for 2 1/2 mi. walk - & lugging 25 lbs. - (wht. at home) - but I survived. - Sept. 27 - went W. of Golden with 2 mi. but failed to find my *Silphium*. A

Corload of Prairie dock - but ^{from EK} no
Compass-Plant. But I got to see
again - + collect - my Aster
anethystinus - more beautiful than
ever - + seemed to be slightly larger -
Colony - Nothing new - Collected -
same old species - Only Leptodez
intermedia - which has a DP for
Tipton Co. - When did DP ever collect
in " Co. 1? I got enough for a set -
got all the Asters - 1 or 2 that I
don't exactly remember - but perhaps
same I collected 1940-'41. - New
Co. Records few -
Spent 2 days Lafayette - Wed. - Thurs.
this week. The Big Joy - Thrill.
was collecting the Aster oblongifolius.
- Got it exactly where I planned to get
it. - Out its finer - better - + color
deeper than 1941 - Roadside just
E. of Post-Oak Hill - which I named
+ which Dean now recognizes. - - -
I made a plot. - 50-60+ sheets on
the spot; - then walked in on the 2
[See nos - PS]

Wish ^{PS} now
I'd spent more
time in old
grounds along
Big Tree Creek
bluffs - & found
the 2-3 other
Aster ob -
stations -
Doubtless both
species & var.
are there
definitely. My last
day counted for
little - Might have
found my
subshrub

R.R. - Found a clump along
Watash R.R. - Found little else of
interest - There's a station of
Muhlenbergia cuspidata near the
the *A. oblongifolia* - over 20' tall - or
about 30' high - very vigorous + green.
Thurs. - Went W. W. Lafayette + walked
in - 5-6 mi. - on N.Y.C. R.R. - Nothing
new. - Had got *Helianthus petiolaris*
June 11 - + it was flowering vigorously.
now. - Without a doubt - our latest +
Helianthus. Heads all over the plant.
- much branched. - unlike other *H.* -
- plentiful for 1/2 - 1 mile. - Dry soil.
Letter from Dean Sept. 29. - He + Svenson
went to Jasper - Puloski Game region -
- also big trees - near Warsaw. - Saw
Prairie regions. + collected + admired
Gentiana puberula. Said it was very
abundant in E. of Kentland - + less so - near
Goodland where we got it. Svenson dug
up a clump - took it to N.Y. + had a
Miss Purdy paint it for Nat. Geog. Mag.
I would call all the *Aster oblongi-*
folius I got - the species, not the var. -
though most of the sheets have sparse (as)

pubescence - Hard to say if spreading
& appressed - I'd call all spreading
- some are definitely spreading - One's
memory is poor - but think 1941
specimens were much more pubescent.
- Please compare mine 1942 - 1941 - & see -
Just now looked at Shimmers Key.
Have not measured leaves - but feel
positive all would fall into species -
- So they classify same by Floz &
Shimmers - only Shimmers has
made a new variety - *angustatus* -
which I'd call Bunk. - I'll make
real measurements - & see. -

Letter from Dr. Dean Sept. 14 -
- saying I am to be his guest
at Notre Dame Meeting - - and
that you can pick me up. - So
you have the Old Dock's word.
I'll sure be glad to ride with you -
if you go by auto - Don't think gas -
Bunk will start until after election.
You can let me know - day & time
you'll be along - I have 2-3 local trips
yet & make for Krukoff - & Co. Records will
keep me busy too busy until meeting of
Acad. Sci. - Thanks - Thanks - Sincerely
C. M. W.

L. KNUDSON, PROFESSOR
A. J. EAMES, PROFESSOR
L. W. SHARP, PROFESSOR
O. F. CURTIS, PROFESSOR
L. C. PETRY, PROFESSOR
W. C. MUENSCHER, PROFESSOR
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EXPERIMENT STATION

CARL E. LADD, DEAN

DEPARTMENT OF BOTANY

October 7, 1942

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

Dear Professor Friesner:-

I have studied the three specimens of gentians which
you sent and agree with your determinations. I deeply ap-
preciate your kindness in obtaining the buds and for sending
us such good sheets of specimens. Thank you very much.

Sincerely,

R. T. Clausen

R. T. Clausen

RTC:EMD

THE NEW YORK BOTANICAL GARDEN

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

PRESIDENT
JOSEPH R. SWAN

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

TREASURER
ARTHUR M. ANDERSON

DIRECTOR
WILLIAM J. ROBBINS

October 8, 1942

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

Dear Dr. Friesner:

I recently returned from a trip to Latin-America and have finally caught up with various accumulated matters.

You will be interested to hear that as a result of testing several hundred plants we have succeeded in finding at least one plant which contains an active principle with anti-malarial properties and this opens a new and interesting approach to this problem. We have also found two other plants with fairly strong insecticidal action. Extensive chemical work is planned this coming winter with these plants.

In looking over my correspondence with you I find that we are still interested in having the three plants listed in our letter of July 27th, a sample of Tanacetum vulgare referred to in your letter of July 31st and of Eupatorium perfoliatum referred to in our letter of March 14th.

We also find that chemists would like to have the following plants from your area and would appreciate it if you would let us know whether or not you are in a position to send this material to us.

Monarda fistulosa (Labiatae)
Sample of upper portion of plants - 2 lbs.

Pedicularis lanceolata (Scrophulariaceae)-(or P. sp.)
Sample of entire plant or upper portion of plant with leaves.

Cuscuta sp. (Convolvulaceae)
Sample of entire plant or portions of stems - 1 lb. or more.

Your cooperation in this matter would be appreciated.

Very truly yours,

B. A. Krukoff

Bak/Jd

October 12, 1942

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

Dear Dr. Krukoff:

I have a package containing dried material of Verbena urticifolia, Lobelia siphilitica and Tanacetum vulgare, which I have been daily promising myself to get off to you. I shall send it at once.

Mr. Ek promised to secure the material of Eupatorium perfoliatum for you and I shall write him immediately to see whether he has it or has recently sent it. If not, I shall collect it at once.

Regarding the material requested in your letter of the 8th instant: we have had a number of killing frosts and I do not know the reaction of these species to frosts. I shall make a trip this coming week and to territory where I know Monarda fistulosa grows and to another place where Pedicularis lanceolata should be found. I shall write you immediately after this trip regarding success or failure in securing them. Cuscuta may be encountered on the same trip and if so, I shall send it.

Sincerely yours,

Ray C. Friesner

RCF:mb

October 19, 1942

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

Dear Dr. Krukoff:

I am sending you some good material of Pedicularis lanceolata and some questionable material of Monarda fistulosa. The plants of the latter were all past fruiting and a considerable share of the leaves have fallen. I collected it in spite of the condition and will leave it to you to decide whether it is worth testing.

I am also including a collection of Artemisia annua. While you did not ask for this, I felt that the small cost of transporting it to you would be negligible in proportion to the degree of chance that it might be worth testing.

I am wondering whether you would be willing to designate me as an official collector for your research program and send me a letter to that effect so that I can use it with our gas rationing board toward getting the necessary gas to do collecting for you next year. In case you can do this, please insert a clause so that there can be no financial obligation on your part.

Sincerely yours,

Ray C. Friesner

RCF:mb

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TREASURER
ARTHUR M. ANDERSON

DIRECTOR
WILLIAM J. ROBBINS

October 19, 1942

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

Dear Dr. Friesner:

Your letter of October 12th has been received and the samples of Lobelia siphilitica, Verbena urticaefolia and Tanacetum vulgare have also reached us. This material has already been reforwarded to our laboratories for testing.

We shall await with interest any samples of the other plants requested by us which you may send us.

Under a separate cover we recently sent you reprints of two papers published in connection with some of our work. I trust you will find them of interest.

Very truly yours,

B.A. K.
B. A. Krukoff

Bak/Jd

Kokomo, Indiana ^{from Ek} Oct. 21, 42.
1812 W. Purdue St.

Dear Doctor Friesner!

I should have scribbled to you
sooner. - Package of ~~the~~ Sedges came
yesterday... Thanks. -

The Mrs. has been away just two
weeks today - thus giving me freedom to
use the room for a work-shop - I've
done a Mountain of work - But just
passed the $\frac{1}{2}$ of my stock. - Collected
more this year than ever. - The quality
is better than anticipated - i.e. in
species - Believe it or not - don't get
hysterical. - - to-date - Mon-Wed. -

I have 343 New Co. Records - If I was
at that rate - reach over 500. - tho I
never know the next book. - These
are almost exclusively mine - - Have
just touch a few of Boone + Hamilton
Co - I press - Hope that you dried have been
looked at - i.e. labeled. -

Was wondering just when the
(over)

dead-line was². -- It will take me
a day - (or less) to assemble ~~my~~ mine
in order. Wish I had another week!
Say Nov 7-10 - I should have - +
could have - had part of this done. - I
did label a lot of them - but not enough.
It seemed that of nights - I got lazy
after a day in field or here changing
papers. - that I read - wrote letters - &c.
I've wasted little time - The Wruckoff
stuff took lots of time - So - for \$56.⁰⁰
- more than I expected - + may be 2⁰⁰¢
to come yet. - Had it not been for this
"income" I could not have gone on so
many bus trips. -

A rather embarrassing situation
arose last week - Or Dean wrote
me again - that I was to be his
guest - + then said Kriebel was
to meet him in Kokomo, - get early
dinner - + they'd drive past + get me!
And you had planned to do this -
- after he had said for you to - - - and
so Jim in the predicament of the

old Greek story - of a jack-ass
between two ~~hay~~ hogstacks -
equally distant apart and equally
attractive; - - which hogstack would
the mule nibble from first? - I
had planned to go with you - had
my jokes + remarks - stories, all
rehearsed -! - now to be revised.

Since I'm Dean's guest - + to eat
with him; it looks as though I'll
have to nibble from the Dean
hogstack - - - You ~~do~~ always
had a jolly crowd - + I'm sure det.
2d - ~~would~~ ^{will} be no exception. - But I'll
see you at Buildings - I'm sure I'll
have a glorious 2-dogs - And it
doesn't matter just who I'm with as
how I'll get there - All are great men
and women - + Scientists.

I was never any more efficient
+ happier than in past 2 weeks - What a
Review in Taxonomy! -

To date: 11 new ⁷ species from Howard Co. -
- more new to me than expected, - just
now got *Polygonum dumetorum* - Elkhart.
+ a new *Mint* to Ind. - *Monarda*
alopecuroides - Elkhart. - - (2-page discussion)

When you remember I spent 4 days Tipton Co.
- 2 Clinton - 1 Carroll - 5-6 Miami - 5 Cass -
9 Elkhart - 5 days Lafayette, Howard many - - This
accounts for Records. - Also - at all times - I
had this in mind - Most trips just for that
- + I kept the weeds always in view. - As for
New Butler Records. There will be a big
No. of them;

I could go on - but you are
busier than am I. - Tell Dr.
Potyger - I got *Glyceria grandis* - in
Howard Co. - + a lot of sheets for him - classes -
Thought it was *G. striata*. - That's a
thrill. - You've passed the ~~dead~~ ditch
several times 1941 - 1 mi. - E. of my house.

With Best Wishes -

Sincerely -

C. L. S. m. - El.

15 boxes ready now for you.

October 21, 1942

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

Dear Mr. Ek:

Yesterday I sent you a package containing some sedges and rushes which we would be glad to have you determine at your convenience. After you have completed the determinations we would be glad to have you report the names by collection numbers. The specimens need not be returned.

A recent letter from Dean says that he expects to drive to Kokomo, meet Kriebel and you there, and all three of you go on to South Bend in his car. In case there is any change from this we will see that you get up with us. In case you have any plants ready to come to Butler, we will pick them up on our way back on Saturday afternoon, if that is convenient for you. If you can have your list of new county records ready I shall be glad to have it at or right after the meetings. At present the list comprises 624 records with 11 new varieties or forms. Better than 95% of these are the result of our Butler collections. I have yet to hear from Dean and, of course, yours will greatly increase the number but these will also be Butler records.

Looking forward to seeing you at the meetings, I remain

Sincerely yours,

Ray C. Friesner

RCF:mb

151. Nanking Univ. Bull. Coll. Agr. and For.--China
152. Nat'l. Hort. Mag.
153. Nebraska Acad. Sci. Abst. Paper
154. Nebraska Acad. Sci. Proc.
155. Nebraska, Contr. Biol. Surv.
156. New York Bot. Gardens, Jour.
157. New York St. Coll. Forestry, Bulletin. *Synopsis U.*
158. New York Univ. Publ. in Botany
159. Nursery Disease Notes
160. Odera Inst. Agr. Res. Berichte--Japan
161. Ohio Acad. Sci. Proceedings
162. Ohio Agric. Exp. Sta. Bimonthly Bulletin
163. Ohio Biol. Surv.
164. Ohio Dept. Agric. Bull. Sci. Res. *(wildlife)*
165. Ohio Health News *H. m. in 1939 and 1940; none in 1940*
166. Oklahoma Acad. Sci. Proceedings
167. Okla. Biol. Surv.
168. Panhandle Bulletin
169. Pennsylvania Univ. Cont. Bot. Lab. ~~Arboret. Bull.~~ *band* Morris Arboret.
170. Porto Rico, Jour. Dept. Agric.
171. Pub. Est. Exp. Flor. Sobriero
172. Revista Sudamericana Bot. *none since 1937 except 2 vols. in 1940*
173. Science Studies (St. Bonaventure)
174. Scripps Inst. Oceanog. Bull.
175. South Calif. Acad. Sci. Bull.
176. Stellenbosch Univ. Ann.--South Africa
177. Sun Yat-sen University Bull. Dept. Biol. (None since 1931)
178. Tennessee Acad. Sci. Journal
179. Tokyo Univ. Science Reports--Japan *(none since no longer published)*
180. Tamsk, Bull. Stat. Univ.
181. Toronto Univ. Pub. Biol. Ser.
182. Trop. Plant Res. Found. Sci. Contr. (None Since 1932)
183. Turtox News
184. Uruguay: An. Mus. Nat. Hist. Montevideo
185. U. S. Nat'l. Herb. Contr.
186. Utah Acad. Sci. Proceedings
187. Virginia Acad. Sci. Proceedings *(name change of sci.)*
188. Virginia Exp. Sta. Tech. Bull.
189. Wagner Free Inst. Sci. Bull.
190. Wash. Univ. Pub. in Oceanog (Reprint file)
191. Wash. Univ. Pub. in Oceanog. Suppl. Ser.
192. West Virginia Acad. Sci. Proceedings
193. Wild Flower
194. Wisconsin Agric. Exp. Sta. Res. Bull.
195. Wyoming Univ. Pub. Sci. (None since 1932)

La Reine Inst. Agric. d'Okla

Sinensia

Stud. Inst. Divi. Thomae

Sun Yatsenia

U.S.S.R. Acad. Sci. Bull. Far Eastern Branch

U.S.S.R. Acta Physicochemica Moscow

Wash. St. Coll. Res. Stud.



THIS SIDE OF CARD IS FOR ADDRESS

Dr. Roy. C. Friesner,
Botany Department,
Butler University,
Indianapolis, IND.

Friday noon - Dear
Dr. Friesner - Congrat-
ulations on new
envelope - Our letter
crossed - Your letter
answered all my
questions - Busy -
- alone - going out
at 4:16 New records -
about 2 done - Happy
that Dr. Seem will
you - I'll have no less
than 25 boxes for
you - you can
take 1 more passen-
ger in these rubber-
leg days - Am going
to have a fine time
I mean Best wishes
* M. - Sincerely etc

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October 23, 1942

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

Dear Dr. Friesner:

Your letter of October 19th has been received and the samples of Pedicularis lanceolata, Monarda fistulosa and Artemisia annua have also reached me safely. Thank you for sending this material to us.

In looking through our correspondence with you I find that we have now received all plants that we requested from you with the exception of:

<u>Actea alba</u>	(Ranunculaceae)
<u>Tanacetum vulgare</u>	(Compositae)
<u>Cuscuta sp.</u>	(Convolvulaceae)

I assume that they are not available at present as you probably would have sent them to us.

Dr. Major has been ill for the last six weeks and we still do not know just when he will be back in his office. When he returns I shall discuss with him the matter regarding the letter you refer to.

Very truly yours,

B. A. K.
B. A. Krukoff

Bak/Jd

October 24, 1942

Mr. Charles M. Ek
1612 Purdue Street
Kokomo, Indiana

Dear Mr. Ek:

Your letter of the 21st read with enthusiasm. You have certainly been the old war horse this summer. Even though the war has kept us both from doing what we wanted to do most, it has really worked to the advantage of the taxonomy records. In the first place it has kept us separated for the most part and so not duplicating the ground covered and second, has kept us nearer home in territory not so well covered by Mr. Dean. You have done a real season's work in securing so many new records.

The 343 you have mentioned will bring the total for 1942 to 968 and I have yet to hear from Dean and you will probably have more by the time you get through your pile. If you can have the list of species, varieties, etc. new to the state ready for me at the meetings, I shall appreciate it. At present there are 11 such.

I can give you an extra week for the new county records (i.e. a week after the meetings) if you can let me have the list as far as you have it when we are at the meetings. You need not bother getting it in order. I always have to check every report to make sure it has not been reported on one of the published lists and I can get it in order at that time. The Editor has always given me a couple of weeks to get the manuscript to him and I can work up what you give me at the meetings during the first week and still have a week to work up your final additions. If this does not give you sufficient time to get through the lot, I think you should not worry because you can save the rest for next year. You can send them to me anytime and I will start the 1943 report as soon as the one for 1942 is out of the way.

I have used you as an example a great many times when I speak to students and others regarding the value of having a hobby to fall back upon in leisure hours or in time of retirement. How often it is that the hobby works out to give a greater real contribution than the occupation by which we earned our bread and butter?

I don't know just how much the gasoline rationing is going to curtail our efforts but I know that we have the data on hand for nearly a dozen papers and it will at least give us a good reason for getting some of them written up. We can have a clean slate to start with when folly is over.

Looking forward to seeing you at the meetings, I remain

Sincerely yours,

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

WINONA H. WELCH, SECRETARY
DEPAUW UNIVERSITY
GREENCASTLE

T. G. YUNCKER
CHAIRMAN PROGRAM COMMITTEE
DEPAUW UNIVERSITY
GREENCASTLE

INDIANA ACADEMY OF SCIENCE

PAUL WEATHERWAX, PRESIDENT
INDIANA UNIVERSITY
BLOOMINGTON

W. P. MORGAN, TREASURER
INDIANA CENTRAL COLLEGE
INDIANAPOLIS

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

WILL E. EDINGTON, PRESS-SECRETARY
DEPAUW UNIVERSITY
GREENCASTLE

Oct. 27, 1942

Dear Dr. Friesner:

Under separate cover I am returning the loan of mosses which you so kindly made me in September. Please find inclosed a 3-cent stamp in payment for postage used in sending them to me. THANKS for your continued co-operation.

See you the last of the week.

Cordially,

Winona H. Welch

October 28, 1942

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

Dear Dr. Clokey:

Your package of plants and the letter with substitute label came today. The specimen upon which substitute label is to be placed is in the "mill" and the label will be placed as soon as the specimen is mounted.

I appreciate the specimens very much and the reprint as well. I shall have a package of specimens for you sometime in January or February, as soon as we can get the season's labels all typed. Gas rationing will put an end to any further extensive collecting until the war is over.

Sincerely yours,

Ray C. Friesner

RCF:mb

from Krukoff

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WILLIAM J. ROBBINS

October 29, 1942

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

Dear Dr. Friesner:

I have your card of 10/26/42. You are, of course, correct. Tanacetum vulgare was received some time ago and it has probably already been tested at Rehway.

I should like very much to reach an understanding with you in reference to the samples that you are so kindly sending to us from time to time. Frankly, we do not like to receive material from you for which we do not either reimburse you or send you anything in exchange. It would be quite satisfactory to us for you to charge us say seven specimens of South American plants in exchange for each sample, or samples, of a single species that you may send us. Please let me hear from you on this point.

I am listing below several plants of which we would like to have material for our tests. These are the plants which we thought we could obtain locally but for various reasons they remained uncollected. If any of the plants are found at a convenient distance from your location, please send us samples of them.

Menispermum canadense (Menispermaceae)

Sample of berries - 1/2 lb. or more
A few leaves as a voucher for identification.

Hypericum perforatum (Guttiferae)

Sample of flowering tops - 1 lb.

Laportea canadensis (Urticaceae)

Sample of roots - 1/2 lb.
Sample of portion of plant with leaves - 1/2 lb.

Medicago sativa

(Leguminosae)

Sample of entire plant or upper portion of plant with
leaves - 1 lb. or more.

Chamaecrista fasciculata (Leguminosae)

Sample of plant in fruit - 1 lb. or more.

Abutilon Theophrasti

(Malvaceae)

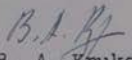
Sample of entire plant - 1 lb. or more.

Osmunda claytoniana

(Fern)

Sample of entire plant - 1/2 lb. or more.

Very truly yours,


B. A. Krukoff

Bak/Jd

Kokomo, Ind. - Nov. 1, - 1942,
1812 No - Purdue St.

My Dear Dr. Friesner:

The 1942 Academy of Science is now history. In all, it met with my expectations. With the Hotel arrangements as they were, it was not possible to inspect the Herbarium and Library as I had planned. In that respect, the Newcastle meeting was more satisfactory. I shall attempt to be brief - omitting my usual philosophy -

Am sorry I told Dr. Edwards about the Treatise on Algebra by Charles Smith. We were talking about his work at Ball State - I mentioned the difficulties of this English text - said he had been reading and wanting this book - I ~~told~~ told him I had been trying to give it away for 40 yrs. - It may be possible that it is not in that best pile - or any previous bunch - I let you have - If not, don't worry. Dr. Edwards gave me the postage, - which I pass on to you. Of course, if you have

From EK 1-23-42

a Prof. - who also would prize it please
keep it. Sorry I got into the predicament.

In mentioning New State Records
you omitted my Mentha aspercaroides
Elkhart Co. - I showed it to Dr Dean + Kriebel
when they stopped for me - Dean agreed
that it was doubtless that. As to the
Stachys palustris, New. - that may be
doubted. - See Flora. But it fulfills
Epling's Key. - which won't work for S.
his pida at all - not even one point.
Only a herbarium specimen of the Real.
S. palustris would solve it. -

As to my New Equisetums, I
have had no instructions + little experience.
I collected all I met + have been
guided more by B-B than the Flora,
where the key is not very simple - we need
to have worked some in the field.

Likewise the 25 ~~spec~~ records or so of
Oxalis europaea + varieties. I have
annotated the labels fully. - The line be-
tween villous + nearly glabrous is not
always well drawn. So your good
Hunt Institute for Botanical Documentation

judgment may not always coincide
with my poor conclusions. - *Oxalis* has
simply not been collected, - not even by
me - in this region. Deam's treatment
makes it unique and interesting

I at first had nearly 500 records
- on paper - I collected from same County
and different times and even on same
day - may be several times. - It was
easier to just make a sheet or sheets
+ list it - than to injure the eyes in
scouring thru 15-25 pages of Lists -
so that will account for 50 or so
duplicates. - Also I sometimes found a
better specimen or one in fruit, flower, etc.
+ included it. - -

In those boxes labeled "Buttes" - are
possible new Co. Records for Butte Herbarium
In these are many surplus sheets, - for only
where there was a Butte County did I omit -
Your Lists might have made several boxes less
Included also are various "stocks" - 10 to
30-40 sheets of one species - as *Hieracium* ^{Canadense}
Hypericum, *Ascyron*, *Salvia reflexa*, etc. - which

I trust you can ^{use} for exchange. From Ek 1-22-42
Had planned to begin on Marion Co. specimens + today - but 5+ deans left me a stock of Science + Sci. Monthly - + Kruckhoff sent me 6 Journals of N.Y. Bot. Garden. - So I was "browsing" among these today. But I'll begin Mon. Sure - + have a list to you by end of week. - mostly I suspect duplicates of yours. The remainder will be a start for 1943. We can guess that we will need these for my land + your local territory has been pretty faithfully combed this ⁱⁿ and past years. I forgot to tell you that I have a very good friend running for Congress from your city - on the Communist ticket. - Miss Eugene Boston. - She has been in my house 3-4 times - I was in Elk Hart Co. Wash. ^{time} she was here in May - left 500 May Day pamphlets for me to pass from house to house. - I passed none - but did leave a few at P.O. + Library. - If she lived here I'd sure vote for her. I am no propagandist and therefore I'd be a simplicit to advise you + other Prof. one word. Society will not be changed by voting.

And so, - I am bidding you
Adieu - breaking my promise to be
brief.

Dean and Kriebel - a fine
pair - I enjoyed my trip with
them - We went one way - up to
5 mi. N.E. Bristol - & came back west -
thru Fogansport. - They seemed
to know every fence corner, woods,
bog, former back routes! - - - -

With Best Wishes to you -
and Botany Dept - - Students.

I am

Sincerely yours,
Chas. M. Ek.

I have not been particularly worried about remuneration for the material sent but will be glad to accept your suggestion of recording each species at the rate of 7 South American or other foreign (or non-continental U.S.) specimens. According to my records, I have sent you samples of 8 species requested. If I list these on our exchange account it leaves you at this date owing me 27 specimens.

I shall have a box of herbarium specimens (in triplicate) ready to send you under our former exchange relations, sometime in February as soon as we get our labels all typed. If for any reason you do not care for them, please let me know at your convenience.

All of the species listed in your letter grow in our general region but our unseasonably cold weather has probably killed all of them for this year. I have entered them on my "want" book and will do the best I can toward getting them either this season or next.

Sincerely yours,

Ray C. Friesner

from EK

Kokomo, Ind. - Nov. 4, 1942.
1812 No. Purdue St.

Dear Doctor Friesner: -

I have decided to quit and call it a day. - Have gone over only about $\frac{1}{3}$ of Jennings Co. - Might have found 6-8-10 more " " - Have not touched the V.M. Ind. box as ~~new~~ records - these may need correction. - This will give you more time to complete the enormous task of arranging the 1200 new Records - I was over a day working out & copying mine. We, I will need my surplus records for 1943, for it is pretty certain that 1943 will be a good year for records - my Counties and Towns are fairly well completed. -

That small box was one I had sent Dr. Deam - I think about all were *Aster oblongifolius* - S.W. Lafayette collected Sept. 30. He concluded that

all belonged to ² the spreading pubescens
var. and intended reexamining it
according to L. H. Shimmers Am.
Midland Naturalist, Sept. 1941: p. 398-420.

Its name would be *Aster oblongifolius*
var. *angustatus*. The appressed
pubescence var. is probably along Big
Wea Creek bluffs - but I did not collect
it - 1941 - or 1942. - I regret I did not
either spend another day there or plan
my trips differently - I collected at 2
stations - + think there are 2-3 more.

Well - something to anticipate
+ hope for - 1943. This is a beautiful
aster, low, but rising N. Eng. Aster.

They are rare in Ind. - but abundant
at this station - Hope you can use them,
with exception of 10 new Records; will
~~to~~ keep all others until done - to save expenses.
Rec'd your nice Card today, explaining all.

Thanks for every thing

Best wishes and Very

Sincerely Yours - Chas. M. Ek

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November 5, 1942

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

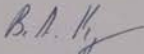
Dear Dr. Friesner:

Acknowledgement is made of the receipt of your letter of November 3rd.

I am pleased to hear that you accept my suggestion regarding specimens in exchange for samples of plants that you send here, and I have taken note of the fact that I ~~st~~ owe you 27 specimens for the eight samples of plants that you have sent to date.

I would be pleased to receive herbarium specimens from you under our former exchange relationship. Together with these specimens please send me a statement regarding the balance of our exchange.

Very truly yours,


B. A. Krukoff

Bak/Jd

from EK

Kokomo, - Ind. - Mon. - Nov. 12, - 1942
1812 Ro. - Purdue Ex. -

My dear Dr. Potyger & Friesner
The last on the envelope - shall be
first on the sheet.

Just a postal to have you know
I have rec'd each of your fine
letters - and many thanks.
The "visitor" from Welfare was
to see me yesterday. The interview
was such that when I went to
bed last night at 12.30 - I slept
only 3 hrs. Up until today, have
been getting a lot done. - No time
now for details. You'll get it all in
specimens. To date about 29 new
records from Jennings Co. - To date, ??
new "1949". 6-? new (some) Cases
+ 3 new Panicums. - I might

mention the outstanding new Record.
Spergularia rubra - 6-9-42 - Post-Oak-
 Hill, S. W. Lafayette - Flora P 442 + 1045,
 was looking for *Carex heliophila* + found
 the equally elusive *Spergularia* *Carex*
trichocarpa - Howard Co. - P. 265; - "
granida var *Summelliana* - S. W. Lafayette
 6-10 + 6-9-42, 2 stations - P. 223; C. - Bushy
 Jennings Co. - P. 258 - The credit for these
 really goes to Dean - Friesner - Potygo -
 for trips - books - help - instructions - in-
 spiration... etc. Were it not for you
 (plural) I would be nothing. - And
 yet the Welfare People put me in a
 class with the others who twiddle
 their thumbs - They can't see that I
 need to for bus. - literature + c. - that the
 others have no use for.

Am about $\frac{1}{2}$ way thru with my
 30 boxes - - I surely enjoy this - even
 if I do get hung up a few hrs. on a
Panicum - *Carex* - *Cyperus* - & I'm
 really stumped on a " for Elkhart Co.

Told Dr. Deam about it - I
may have to send it to the ~~at~~
old Grand pa Dock at Shafter
Am setting aside some puzzles for
you to solve - a few strange from
Jennings Co. - mostly - Don't
even know the Family -

Intended to give you only
a Postal. - Carl;

In due time, I'll try &
write to each of you -

Until then - Good - Bye -
Good Health - Best Wishes -

Sincerely
C. L. M. etc.

The Mrs. has been to Lafayette -
2 weeks today - Wed - & may stay another
week - I get more done when alone
Yours C. L. M.

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

UNIVERSITY HERBARIUM

Nov. 19, 1942

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

Dear Dr. Friesner;

We will be very glad to have specimens
of Indiana plants for our Herbarium. Send
them to Dr. C. L. Lundell who is Curator
of Phanerogams.

Yours truly,

E. B. Mains

E. B. Mains
Director

EBM/AAL

*These are to be sent in exchange for the
Contributions of the Univ. Herbarium.
See letter in Library file*

December 4, 1942

Mr. August J. Breitung
Tisdale, Saskatchewan

Dear Mr. Breitung:

Your package of herbarium specimens came safely a few days ago. I have not yet found opportunity to open it but will do so as soon as possible and will send you the list of determinations in triplicate as you have requested. I appreciate the specimens very greatly. Only the past week some of your previous specimens have come "through the mill" and have found their place in the herbarium. They have made very impressive specimens.

As soon as I can find time I will go through my material of *Solidago* and send you as many species as I have available.

I shall mark the package as you have suggested though our postal authorities have not permitted "no commercial value" to go on post packages.

Sincerely yours,

Ray C. Friesner

RCF:mb

Kokomo, Ind., Dec. 8, 1942, ^{from Ek}
1812 No. Purdue St.

My dear Dr. Friesner!

I have your letter of Nov. 18 -
+ Dec. 4.
I wish to thank you very
much for your letter to me and
to the Welfare Dept. here. Up to date -
I have said nothing + wait until
Jan., if then. There was \$22⁰⁰ a mo.
coming to us from Wash. D.C. - It
has been taken out of Max's pay -
+ minus insurance, leave him
only \$21 a month - too little. It was
nice of you to say these ~~fine~~ things
about me - you could have made
it 5 pages + all the ~~truth~~. What
they were interested in was the \$ I
get out of it - I have told them my
story in brief - but it's all a waste
of words - I mean no more to
them than an illiterate criminal.

I have certainly told them what I
think of the whole dirty filthy mess.
If they deny you gas - you will get a
taste of it. According to regulations
you should get all you need - Butlers
& your Church. I could write a ream
about all this - but your time & mine
are valuable - & it just disturbs my
equilibrium & hinders my work.

As to my work; I am coming
along slowly - taking it leisurely - and
mixing in a little reading. - Only
wish I had enough specimens &
lost until ~~Apr~~ April, '43. Have only
3 boxes left - and most of the big box
of Sept. 12-13. - & your sedges. - Ought to
have it all out before or by Xmas -
I lost 2 doz over that Pension Bunk.
& always send in a lot of subscriptions
from P.O. & relatives in Dec. - That will
take 2 doz. Before I forget, if McCoy
has any sedges, I'll be ready to begin
on them in next 2-3 weeks.
I am separating out a few for

Earlham³, if they want them; - if
I'd like to send them all out at once -
- if I have the boxes - - for all. - Have
plenty boxes for you - mostly yours.

Here others^{at last} are getting only the
surplus - the leanings - - for I had
them in mind - & locally - collected
many duplicates. In cases where
I had only 1 sheet or 2 - you got them -
unless there was a 3 in that Co. &
my specimens were poor -

Came across some more *Glyceria*
grandis sheets - & Jim Oll on it -
I can hardly wait until June
comes - to collect the old *Glyceria* Dock.
a good 150-100 sheets! The memory
of these many experiences - the joys -
thrills me immensely. - and just
tonight I made a Rare New Co.
Record - to be carefully checked by D. &
Potyger. *Muhlenbergia sobolifera* var
r. f. setigera. - v. Lafayette. - open & not
woods; - as manuals state. - awns
are 3-5 mm. long. (not 1-3 in. Hitchcock.)

4.

You surely have done a mountain
 work since Nov. 1. - I shall be ~~very~~
 very happy to get the lists of plants &
 your & various other Herbariums.
 - But no hurry. I have all your
 former lists - I use them as occasion
 demands.

I have the Howard Co. book - & have
 used it a lot. - the one Peggy - Miss
 Brunson worked out - I think. - I'll send
 it in soon - for it'll be done with
 local sheets in 2-3 days. The books
 from surrounding Counties, - Miami
 Cass, Carroll, Clinton & Tipton will
 be very useful next summer -
 when you get all the records in.

As to Tippecanoe & Elkhart Counties,
 - there is no way to foretell about them.
 - I only HOPE to be in both. - But it's
 only a hope. - Nothing is certain for

1943.

If I didn't love the utmost

Faith in the ⁵ Value of what I
 am trying to do. I'd just be able to
 carry on. I have the faith and
 knowledge that my work will live -
 and that long after these Courthouse
 rats and varmints are ~~gone~~
 gone and forgotten, my deeds will
 remain as a record in The Flora,
 in your Herbarium, and the other
 Herbariums, and in the observations
 and notes made.

It would be useless to go detail
 my finds. - You get them in the boxes.
 Deam was glad to get my account
 of *Carex*, *Bushii*, *Spergularia rubra*,
 &c. & I always elaborate more to him.
 He answered with 4 typed pages. -

I'll get your boxes to you
 soon as possible - in Dec. - sure.

A letter to Dr. Potzger yet this
 week; - I ~~trust~~ trust. -

8.

Dr. Deam sent me - the Sept. &
 Oct. Rhodora ^(to be returned) - Looking at the
 Contents - it might seem to be
 "Fernald's Magazine." His account
 of trips in Vir. Flora ~~are~~ are quite
 interesting & have a lot of good points.
 His notes on Carex I presume are
 mostly sound. - But he hasn't
 lessened my admiration for Mac-
 Kenzie a particle. I have noticed on
 several occasions, Mack. measurements
 are $\frac{1}{2}$ - 1 mm. too great. I never heard the
 story of his eyes. After going over the Carex
 notes hastily, I ran across a specimen
 of Carex Grayi! - 2 mi. E. of me ^{woods} and
 it was var. hispida! - & so a new
 Howard C. record.

Have to bring this scribbling
 to an end.

Best wishes to you - Mrs. Frisvold.
 Evans, Keller. - - - - And - - - Ah for
 a 1000 tongues to sing. - My love
 to all the Butler Girls. - Sincerely Yours,
 Chas. M. S. K.

Coming along
slowly with 109
new Co. Records - to
date - for 1943 -
A fair start.

Aug

New York Botanical Garden,
Bronx Park, New York City.
Dec. 10, 1942.

Dear Prof. Friesner:

A few years back while I was still in Hawaii, I mailed you some Hawaiian herbarium specimens in exchange.

I am now in New York, trying to liquidate my personal herbarium. I am turning over the best set to New York (where I can always study it without owning it), the second to Gray, and the remaining sets to various institutions. As you know, the Hawaiian flora is yet but imperfectly known. To speed up in my work, I am therefore obliged to distribute many plants determined only to the genus. Among such plants you should discover quite a number of novelties. Of course, if time permits I hope to illustrate and describe all these some day in my *Flora Haw.*

I am mailing you an accumulation of duplicates. I should prefer if you looked through them, selected those you really want and pay for them at the rate of \$10.00 per Century, you retaining the "unwanted" specimens as a gift from me.

But I guess funds during War times for the purchase of specimens are just as rare at your institution as elsewhere. In that case I should be glad to continue our exchange. In case you have anything for me ~~that~~^{they} really should not be any duplicate numbers already sent to the New York Botanical Garden. I am depositing my exchange acquisitions there and of course they would not need duplicates.

Perhaps this wholesale distribution of imperfectly known Haw. plants may stimulate students to monograph them. In such a case, of course, they should consult the complete set deposited at New York.

Greetings of the coming holiday season

Sincerely,
Otto Spegner

P.S. Please let me know if I should continue to set aside duplicate plants for you.

O.S.

December 14, 1942

Dr. Otto Sengner
New York Botanical Garden
Bronx Park, Fordham Station
New York, New York

Dear Dr. Sengner:

Your letter of the 10th is at hand. I am very sorry that we do not have any funds available for the purchase of herbarium specimens. Also, our space has become so limited that we are unable to care for plants at the rate we did a few years ago. It would be difficult for me to send you any appreciable number of specimens which do not duplicate species previously sent to the New York Botanical Garden because I have been overworking with them for several years and still owe them about as many as there is much prospect of being able to collect in our area. No, you will see that we are about out of the picture as it stands at present.

It is too bad that your work has had to be cut off and I hope you will be able to take it up again in the near future.

Sincerely yours,

Ray C. Friedman

RCP:mb

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

Monday Night!

My Dear Mr. Friesner!

That was a glorious letter
I rec'd today. - Things are
more hopeful for next sum-
mer than I had expected.
Your school - semester -
situation I can praise. -
So happy that Butler and a
few others have not gone
increased.

I have the 2 boxes all
ready - The small box
contains the New Co. records
+ a few others - There is a
partition between them.

2

I have not yet put the new
Co. records in order, - but
will shortly. There is a few
that I will comment upon
when I send them.

Maybe we can stay
over Sat. Night some -
- that will save tires &c.
a lot. - You have paid out
so much for me - I plan &
I hope to be able to finance
these Sat. nights. - & such -
Of course the biggest thing
you saved me is - auto. -
For example - to go to Lake Cicott
~~costs~~ costs \$140 - \$150 - Even the
bus fare - 3⁰⁰ - 4⁰⁰ & N. Ind. -
- wouldn't get me to the field -
and cover all the ground we do.
- The equal to most of our trips

Monday night
1942 (mid)CHARLES M. EK
1812 N. PURDUM ST.
KOKOMO, INDIANA

I Couldn't get for 10⁰⁰/15⁰⁰ =
+ most of them - not for
any money. - So you see how
I value these trips. - saying
nothing about the going &
coming - V. E., what I learn
from you & the others

Think I'll work up the
Robert Woods - next to Ford, - as
a whole - make a thorough
census of entire woods - going
out every 2-3 weeks or oftener.
Keeping specimens separate -
comment on each species - any
special variations, - in short,
use entire Is. Acres as 1 quadrat!
It strikes me that it might have
some value. - I'd prefer the

Joe Ross woods - N.E. - 5⁶ miles
- but its too far - Have to walk
so far each time. - Its a young
woods - with a better flora. We
have to have plans for future
work. - It may come to nothing.
New territory would be better
for the collected in Robardsville
a lot. -

The boxes will start Tues.
P.M. - so I plan, - & ought to
reach you Wed. - Hope you can
get time to include a goodly
number in these you are
sending away to 5 places. -

Yes - it pleases me im-
mensely to know that I
am not living & working in vain
& that my work will live
in distant cities. -

Sincerely - C. M. S. K.

Wednesday Noon;

From EK 1942
(inches)

Dear Doctor Friesner!

You sure are prompt.

Your Card at hand. Have studied it over and have concluded to get a few more plans cleared & cleaned up here.

So will be with you sure on Sat.
July 18. - To Boone Co. - Boone Co.

is more western & sounds good.
I have 3 species that is ready to send to Kruckoff. - This takes a lot of time & pack. tie up - label - & talk to ex. - office.

I have a number of sheets to send to Dean - Several letters to write.

I am anxious to collect the *Ceanothus americanus* at or near L. Cicott.

Another nice letter from Dr. Dean.
- Second time he wants me to write up that Goatgrass story for Judg's for or news. He is the one to do it - or Dr. Potzger. - so much more capable than

I am - I have one "in the rough"
locally for Tribune - on *Kochia scoparia*
I'll tell you about it when we meet - This
must be "revamped" and written -
Also The Telegraph will soon be out
of my "stuff". Have 8-9 scribble lost
Feb-Mch. - Quite cold now. They
need revising & writing.

The Carroll Co. trip is over - due
for Mev Co. Records - Buckeye
back to collect. Outside of these
few items - I am living very
leisurely. - Just another old
Hossier loafer. - like Dean - Patzger,
and R.C.F. - Best motto is -
"Make haste - slowly" - I try to
do work thoroughly - except the drying -
- which suffers some, days I'm away.
With Best wishes -
Thank you and Mrs. Friesner
for all your hospitality. -

from Ek 1942 (n.d.)
Wed. noon

No way to repay you.

Very Sincerely Yours.

C. L. M. Ek

Over to Galveston?

Yesterday. - Brought
back a can full. - Maybe
few New Co. seeds as
Hairy Hedge - Munster,
very little Passiflora
incarnata left.

Sincerely -
Ek

from Loughbridge
1942 net.

Ny

Big Flats N.Y.

Dear Dr. Friesner:- I received in today's mail the recent issue of Butler University Botanical Studies. I noted in Miss Brunson's article "Distribution of Indiana Orchids" in which she states that there are no orchids in the Prairie region of the state.

I wish to call attention to my collections in the southern part of Newton County which contain at least two species in prairie along the Pennsylvania Railroad west of Godland, Spiranthes beckii and Calopogon pubescentius, the latter seeming much out of place. I believe both are in your herbarium though it may be that they were not forwarded among my

1942. N. O.

exchange groups to Butler University.

The studies are very interesting
and I am glad to have them
from time to time.

Sincerely yours
Gasper A. Loughridge.

In regard to *S. sciaphila* Steele, you will find the original description in U.S. Nat'l. Herbarium 13:371. 1911. I am sending you a copy of my *Solidago* key in which I have copied the essential features of the description. I am a little reluctant to send you this key because I have made so many changes in it since its first appearance. I have the key expanded now to cover all species of *Solidago* known in North America north of Mexico. After I have had a chance to spend more time in making detailed measurement of the parts for as many species as possible, I may republish.

I am sending you 3 specimens of *S. erecta* and I am sure you will see that your material could not possibly belong to this species. The specimens are for whatever use you may care to make of them.

Sincerely yours,

Ray C. Friesner

RCF:mb

Thursday 2 P.M. - at Home! (1942 (n.d.))

Dear Dr. Friesner:

Your very kind cards rec'd - Wed - and today! Thurs. The 6.20^{local} bus from Kokomo does not go thru Westfield - but does hit Carmel, about 5 mi farther at 7.54 - pay 8 AM for its behind time, usually - over 1 1/2 hrs. run - stopping everywhere - & over a lot of rough roads -

Now. — The three bus leaves Kokomo at 7.50 and gets to Westfield at 8.35 - only 45 mins. and probably not over 1/2 hr. later. That will be my best guess. - 8.35 at Westfield. - Ind. this state!! -

If I miss you - it will be OK - I'll work old R.R. - & railroads - & get home at. - So you can arrange your trip and field work as to reach Westfield

between 835 or say 840 - and 9 AM.
I'll wait until 9⁰⁰ or later - So let
me do the waiting - & not you -
- so as to waste no time - If
you find good picking - need not
get to Westfield before 9⁰⁰ AM -
I'm doing this -

1. Because you mentioned Westfield
2. " I'd have to start +30 1 1/2 hrs
earlier & ride over bumpy roads for
nearly an hr. longer -

I'll see Bus Station when
I go to town - & if different -
will send a card -
Otherwise - Westfield 8.35-9⁰⁰ AM

Sincerely -

C. W. S. M. S. K.