



Hunt Institute for Botanical Documentation
5th Floor, Hunt Library
Carnegie Mellon University
4909 Frew Street
Pittsburgh, PA 15213-3890
Telephone: 412-268-2434
Email: huntinst@andrew.cmu.edu
Web site: www.huntbotanical.org

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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.

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

INDIANAPOLIS

Administrative Officer
V. M. Simmons

Board
Governor Paul V. McNutt
Lieut.-Gov. Clifford Townsend
Virgil M. Simmons
Paul Fry
James D. Adams

Bluffton, Ind.

Dec. 21 1934, 11, 30. A.M.

Dear Mr. Herman:- I have your letter ^Dec. 20 and note the contents. ^C Since I will get to see you at Pittsburgh I will sign off soon. I am glad to tell you that Fassett will be there. I shall be very glad to introduce you to all the people there I know. Weatherby wrote me that Gray will not probably be represented. Coville I have met but I do not know him. But he will not be there. I am sorry to learn so many of my friends will be or may be there to hear me talk on the subject announced. Think most of the members will be going home. Weatherwax said he would leave noon Saturday.

By the way the two boxes of plants have been opened up and checked out O.K.

I note what you say about the Geranium? which I have named ^{new} G. carolinianum L. As you Europe is lousy with Geranium species. I do not have access to any book on them but I think the Sullivan County plant belongs to G. ~~carolinianum~~ carolinianum L. It matches all of mine. However, in running over my plants I note they fall into two groups. One with spreading pubescence on stem, peduncles, and petioles and those with retrorsely appressed pubescence. I think some authors would make a forma of the one or other. I have not studied them except I noted this character. It seems to me that the appressed pubescent plants have blunter leaf segments.

I note your predicament with some pseudo Caricologoiists, etc. Use all the diplomacy you and back it up with honest purpose and motives and you win. Do not be deceptive. As to John Bright we can handle him O.K. if the subject of his Pa. Carex paper comes up, just say you have not OVER

studied it. and change the subject. The "art" of changing subject should be cultivated.

Well I hope my talk on collecting will not tire the gang. I will not try to talk about habitat terms and their use. This is a subject that should be taken up at a round table talk and later be referred to a committee of men who know their business and then be reported on at the next meeting for adoption or then be referred to the International Comm. on nomenclature. Too much haste must be avoided.

Well May be we can find time to talk this matter over. I plan to leave Ft. Wayne at 12,20 P.M. Christmas day and not return before Monday or Tuesday if I feel O.K. Will stay as long as I feel O.K. and get my money's worth by staying.

Best wishes to you and family, I am sincerely yours,

Chas.C.Deam.

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STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Repl. 12/20

Board

Governor Paul V. McNutt
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Paul Fry
James D. Adams

INDIANAPOLIS

Bluffton, Ind.
Dec. 18 1934

Administrative Officer
V. M. Simmons

Dear Mr. Herman:-Your letter of Dec. 12 and the 2 boxes of specimens here O.K. I have not yet opened the boxes but I know they will be O.K. Have been too busy. I am just finishing the Rubus of Ind. I am recognizing 15 species and I have no respect for my knowledge of Ind. Rubi. The pleasant thing to contemplate is that no one else knows. The first I collected I sent to Blanchard. Then I sent all I had to Brainerd and he named them, they have ^{his} signature on them. Then E.S. Steele had them but he left no tracks. Then in 1922 L.H. Bailey had all and I have not collected any since. Well the fine thing is how the names fluctuate on them. An interesting ^{thing is} group when a specimen may bear 1-3 names (I mean determinations.) Thank goodness Carex has not yet come to this. I really believe we have too few Rubus ^{spec} species. Bailey in 1922 thought we had Rubi hybrids and in 1932 he renigs. Well they are just like any thing else, ~~xxx~~ the more you study a group the clearer it comes. When a tyro bumps into such a mess, then all ^{are} ~~are~~ ^{that are} hybrids, a common alibi. Of course in time all things will be submitted to the "taxonomic method" of Hall & Clements but it will be long after you and I are on top of the earth before all the groups have run the gauntlet.

Enclosed postage 56 cents in 3 cent stamps. Now I will take up your letter and see what requires comment. I note the Kriebel collection. Say that boy must have turned about every thing upside down. His 60 ^{Sub Counties} species for one county tops all lists and he has no lake area either. This reminds me of next year collection. I know of an area in the unglaciated area in southern Washington County that has a lot of pond like places. OVER

I have never been into them. May be mostly drained ere this. Claude Malott our ~~pk~~ ^{Sud W.} geographer has made be tracings of the area so we can go directly to them. I have planned to do so for several years but it seems to me we might find some southern formⁱⁿ here. I am going to look ^{where} ^{are} the localities where I found the aberrant forms. No. 54,962 along the Monon Ry. easy place to revisit. Put all such localities on itinerary, giving me my number and I think we can hit most of them. This was a ragged looking thing that I did not recognize. The Juncus 55,051 may have a cause to look different. I collected it on the "commons" on the south side of Simonon Lake where Autos criss-cross, and every thing else might trample them etc. I just dug my plants alongside the auto road and the plants may be "crippled". Easy access. Glad to mount and return you for study. ^{the 2 boxes} ^{those you ask}

I have not unpacked because my assistant can not help me just now because she is "hooked up" with the black berries but will do so this week and make a careful check on numbers.

As to C. ormostachya that was only a guess with me. Get the number when it comes back and we will see if we can stir it up again.

See in magazine that Mackenzie willed \$10,000⁰⁰ to the N.Y. Gardens with the large drawings he made of the Carex and the money was to have them published. Hope they get busy at it at once. I will talk to Gleason about it at Pittsburgh. I know nothing about how near he had his monograph done Will get the dope and relay it. Yes we can try for the Simonoton Lake Juncus and If we do not get it I will get a bale of it for you later on.

I might say I am sorry you could not go to Pittsburgh but if the accident will be the means of increasing the number of days you can be out with me, you get no sympathy. ^{accumulate} ^{act off days for this trip} I hope we can just exterminate the Carex Flora of the state. By the way, Butler University boys are trying to work up some scheme whereby Kriebel can take about 2 years course at Butler and graduate and get him into the botanical line. ^{also} He is much of an artist and if his health permits he ought to make a good botanist. They tell me he quit teaching school on account of nervous trouble

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but he has no outward appearance of nervousness. He gave a paper at the Ind. Acad.Sci. and it was very well delivered and I believe he will make a good teacher and I know he knows how to collect. By the way, I am on for a paper at Pittsburg on collecting. They placed my on program without my knowledge. I will give an extemporaneous talk. May it will entertain them and possibly give some suggestions on collecting, despatching plants home, etc.

Say I have just turned your letter over and I did not note you had written on both sides of paper.

I have no dope on the Oenothera from Half Moon Pond. I wrote Munz about a month ago to learn if I might send him my Oenotheras and I have not heard from him. Make a memo of this and when I hear from him, I will try to remember to send you the name. If he is as slow naming them as he is in answering, hell will be froze over before we hear from him.

I am sorry you did not mention you wished some grasses. I sent out two large lots. I will make a note of what you wish and if you have any other species of any thing you wish, send me the list and I will save them for you. In return I want nothing. I think I can get you a few plants as ordinarily it is the rare things for you are rare to collections. There have been only 2 plants of Chizachne collected in Ind. I have one and I sent to Washington. I fear it has been exterminated. I revisited the place to get fruiting plants and it was heavily grazed. Of the whole lot you list I think I can give you only Aristida tuberculosa and possibly Sporobolus canovirens. Panicum leptocoma too rare to even think of it and P. Wolfii I have no idea what to think of it. Has no peculiar habitat, just a white oak woods.

I will make (a) of your wants and if out this summer I will see what I can do.

Well as to Potzger, he is a real scout. He has just started out ^{in botany} and a horse to work. Unfortunately he has not been able to get under the skin of the grasses as yet. It does not take me long to check his determinations. OVER

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He has a lot he got this year he wants me to look over yet.
 A week ago Potzger and I were down in Henry County ^Couting around
 about an extinct arbor vitae bog). It is of large extent. It evidently
 was an old lake and is thousands of acres in extent but the real bog
 (arbor vitae) has not yet been determined. I have got him interested
 and now he can spend time in working it out. We bored with his peat auger
 from 9,00 ^A.M. until 1,30 and last Sunday I was on the couch all day.
 In many places there is no peat. The bog is alkaline. We found the peat
 2-4 feet deep upon a marl base of marl and blue clay of about 6-10 inches.
 The area is about 5 mi. long and of irregular shape. In this ³ mile area
 the Blue river takes its origin and on the other side of the hill to the
 north we have another drainage area. The arbor vitae ^{logs or logs} were so thick in
 this lowland that the pioneers had to take horses and pull them out and
 they split the logs or trees up into rails and made wood out of them.
 The oldest inhabitant have no recollection of a live arbor vitae in the
 area. When he gets at the pollen study may be he can get some slant on
 the age of the deposit.

Well I will sign off, sending you my best regards and hope you
 will keep well. I regret to learn of the Mrs. auto accident and all we
 can say is we are glad that it was no worse but it was bad enough.

I am sincerely yours,

Chas. C. Deam.

Stamps enclosed.

Kriebels 2 pkgs.	52	
2 boxes to Wisc.	138	
Wiegand.	14	
2 bxs Ann Arbor to Deam	56,	Dec.15

	2,60	

Deam

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

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Governor Paul V. McNutt
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INDIANAPOLIS

Bluffton, Ind.
Dec. 6 1934

Administrative Officer
V. M. Simmons

Dear Mr. Herman:- I have your letter of Dec. 4 and in reply will say in answer to your inquiries as follows:-

As to Kriebel's *C. decomposita* will say I got it in Wells County and I think in only one more county (northern) You know I do not know *Carex* species and since they so much alike I may have passed over it. I knew the species 20 years ago better than I do now.

Of course you know Mackenzie died last month I believe it was or late in Oct. So now you are the *Carex* authority in the U.S.

I do not know recall what *C. Richii* is like. Think it looks somewhat like *C. Muhlenbergii* and is the southern representative of that species. No matter.

Yes it would be a good idea for Kriebel to get a set of *Carex picta*. He can get both staminate and pistillate plants. Only warn him not to collect in such large clumps as I have done in many instances. *Carex picta* is quite stoloniferous? and if he collects in single culms with the long base to it had several of them would be enough for a sheet, say 3 pistillate and 2 staminate plants for a sheet.

As I have thought Gray's *Exsiccatæ* were authority. My first bump came in working *Polygonum ramosissimum, atlanticum* complex.

I note I did not have enough sense to separate *C. Woodii* and *laxiculmis*. As I recall *C. Woodii* was mostly sterile. I recognized that it was not orthodox and I thought it might be an ecological form or something and gave the whole mess a name. I have been in such cases where two species are under one number to assign an A, B, etc. to each additional species of the number. In this case just add A. I use a cap. To use $\frac{1}{2}$ is O.K. but I have done the other way. OVER

Now as to next year's trip I thought we had agreed on the trip. It will be up to you to set the date and where we go. Now we can revisit this C. Woodii thing. I can right to it because I know where ⁺ caught that peculiar peculiar thing. So I have entered it on our Carex itinerary.

Yes by all means just send on to Wiegand the sheet. You can use my name if you like. Wiegand is a good friend of mine and I will see him at Pittsburgh at the A.A.A. Meet. He has a paper on "Natural hybrids. You will find Wiegand a real fellow and you can tell I said so. Just go ahead and send sheet and follow with letter and apology, telling him he is so well know for his ability and philanthropy that has encouraged you to send on sheet. Too I would tell him you are writing the Carex for the Ind. Flor. hence the need of authenticity. My recollection is I had several sheets of C. ornystachya, may be not.

I note what you say about new planks in the Carex key. This information shows me that you are master of the subject. You mention the keying C. communis out is gratifying. I never could get them torn apart.

As to Fernald's "refinishing" of *grosbeki* *hiemalis*, et al. will say I have not looked at my plants. I have not worked the grasses yet but just made a bibliographic index of article and when it comes to working the genus I will take his write up to test. I plan to let the grasses ride until the new Hitchcock Manual comes out and then I may write up the grasses. This write of Fernald's came after my Grasses was published.

Now it is not too early to anticipate our trip next spring. You compile a list of species and if possible localities where they are found and I will arrange the itinerary. I am wondering if there is any chance of new things in the unglaciate area or se. part of state.

Well I will sign off so assistant can mail this noon.

Best wishes, I am sincerely yours,

Chas. C. Deam.

P.S. Do not fail to keep record of postage to Wiegand, etc. and report

Deam

Repl. 12/4

STATE OF INDIANA
CONSERVATION DEPARTMENT
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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Nov. 30 1934

Dear Mr. Herman:- I have your letter and specimen of Eleocharis. I sent a set of my Eleocharis to Svenson to check my determinations and he has not yet replied. As soon as he does I will send you the dispar and olivacea. Svenson sometimes is darn slow.

As to the check, I never dreamed it cost you any thing to have it cashed. Your banks ~~xxxx~~ are either good business or dam theives.

It is my guess that most people resent such action and will patronize the post office. I just thought you could not use stamps.

Office at Indpls got smart on my hands and my last month's postage was 11.00 and they sent me mostly 10 cent stamps, 8 and 6 cent and a few 3 cents. After this I will accept only 3 cent stamps and I will pay you that denomination. Enclose find 15 cents in stamps for the cashing of check. I have not yet received the Kriebel plants. This is Thanksgiving eve. Tomorrow I must make a trip to ne. Ind.

I have just finished naming my plants and again started on the Mss. I still have Rudbeckia and will get at it Sat. and Sunday while my assistant is away. As to Elocharis dispar, will say if I am correct I sent him two sheets, one from Kosciusko and one from Lagrange Cos.

Mighty glad you called my attention to the Lechea key in Small's Flora. I had overlooked it. I am ashamed to say it but I have so little confidence in Small. Now when you see something Gray's Man you had better think before you revers things in it. When I have a chance I will work over Small's key and see what it will do. By the way the old Lechea villosa Ell becomes Lechea mucronata Raf. Weatherby O.K. this change

OVER

Now as to Kriebel will say he is a royal good fellow but probably does not yet know his Carex. You know he is unemployed and when he gets out in the field I presume he just pulls every thing in sight with the hopes he may get a variation. This year in his work on grasses he collected a long series of Panicum commutatum and P. ^Ashei and you just can not separate them. That is they form a perfect lineal series just as Fernald says but here in a single county that happens.

No I have Lechea tenuifolia from Lawrence Co. If you have good specimens of the Eleocharis I would accept these with thanks but I do not wish to cause you any trouble. If the lot you send me has the Eleocharis in it, I will appropriate a set. I have E. obtusa Willd already.

The Lecheas are not common plants in this state. L. tenuifolia is somewhat frequent in s. Ind. and L. villosa is our most frequent species, throughout. We do not have L. maritima although reported.

The other species are rare and mostly circa Lake Mich and in Kankakee Valley

"ell spent most of the day getting out my duplicates. Now I owe no one and still have a few left. I must quit collecting so many things but pretty hard to lay off. It takes so much time to work up the stuff. I have been two months at it.

I wish we were nearer or I had someone with equal ability to work over some of the things that come up. One does not appreciate how much there is need for a revised Manual until he intensively works his material of this middle west. The Mans. would be O.K. if a few more species were described, vars. and forms or their descriptions amplified to take in these forms that do not come within the description

Best wishes to you and family and your work.

I am sincerely yours,

Chas. C. Deam.

Nov. 30

PK9 (Kriebel) just came
122 packages which I forwarded

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Repl. 11/27

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James D. Adams

INDIANAPOLIS

Bluffton, Ind.
Nov. 22 1934

Administrative Officer
V. M. Simmons

Dear Herman:-I have your letter Nov. 20 and I enclose you my check for the 56 cents. for the Welch & Kriebel postage. I leave you to keep account Now you ask me my advice on determining specimens for Tom Dick and Harry I emphatical say no. Get busy on Carex I am afraid an accident may happen you. You keep and determine what you wish of any lot but do not let any one Burden you. Miss Welch sent me a lot of Arkanas, and other stuff and I named most of it for her. Some I did not recognize and I returned it.

As to Kriebel's Cyperaceae let me try it. I think I can get them O.K. I have not yet written Cyperus but it is comparatively easy if you have mature specimens. I treat em rough, When specimens are immature I just write "too immature for correct identification". I will undertake the identification of any thing that comes from Ind. if good material.

I note you have Eleocharis caribaea var. dispar. I took this in Steuben County this year if I recall correctly. Svenson has duplicates of my specimens and I am sorry I will not have any for you. I shall be glad to get a specimen of yours. I will have duplicate of Eleocharis olivacea Torr from Steuben if you would care for it.

I note you will determine Lechea. If you have a good key that does not require basal leaves I would like it. This is one of my odd jobs to do to make such a key if possible for Lechea and revise Helianthemum.

Best wishes, I am sincerely yours,
Chas. C. Deam.

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Repl. 11/20/34

Board
Governor Paul V. McNutt
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Paul Fry
James D. Adams

INDIANAPOLIS

Bluffton, Ind.
Nov. 18 1934

Administrative Officer
V. M. Simmons

My Dear Herman:-Was at Indpls Thursday-Sat. ,got home later last night. I have your letter with the lists. Many thanks. You do not send amount of postage of express to return the Wisconsin material. Let me have it and oblige

I note you prose to call that rreak ^Uarex from Pike ~~E.~~ C. Deamii. Many thanks for the honor and he is hoping it will stöck. Have decided it is a hybrid which no doubt it is. I hope the part you got this year pulled thru, if not we will rty to get more next year

I note your trouble with C. Hassei. I would not what other authors say about a thing trouble you too much. Most authors are only following what some "higher up" says. You do as you darn please .It is your reputation to lose or make.

Well I do not have a single thing to say. I think we did pretty well spring in our hurried trip. If I recall correctly you must have taken about 10 species you had never before taken so hthat is worth something. Next year we will not do so well but may be we can get some. Before we go again I want you to study well the possibility of getting something in the unglaciated area we do not have

Here are my best wishes ~~y~~ you, and family

Chas.C.Deam

STATE OF INDIANA
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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Board
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Paul Fry
James D. Adams

Bluffton, Ind.
Nov. 10 1934

Dear Herman: Your card and letter here O.K. Many thanks. I am jsu so busy I dare not take time to write. Too my left eye is going bad one me but hope it is only temporary.

Congratulations to the parenst of the new girl. Hope she will be a botanist.

Enclosed find 20 cents postage for Kriebel & 14 cents for Welch. Do not fail to keep me informed on postage. State of Ind. pays it. Sorry I must send you one cents stamps. They sent me \$11,00 wath. I asked for other denominations but we find in this world we take what we get and do not always get what we ask for. I say dam em.

O.K. about the Underwood plants. He sent me 175 very good specimens of plants of all denominations.

Well I received a letter this morning wanting to borrow all my ^relleae and one that asks me to take about 2 days off to make woodland inspections. Too Gray ^Herb. wants to borrow all my Lespedeza of a certain kind If it is not one thing it is two ~~ix~~ ^{of} something else. Let us keep a stiff upper lip. I have not done a lick on the Flora since August. I had hoped to srat Monday but last night I discovered my Key to Caprifoliacea must be gone over.

Well I hope will be O.K. now and get to moving along. Best wishes,
I am sincerely yours,

Chas. C. Deam.

P.S. Received a letterf from Pennell and he says he will nto be at Pittsburg

Repl. 11/5

STATE OF INDIANA
CONSERVATION DEPARTMENT
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Governor Paul V. McNutt
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Paul Fry
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INDIANAPOLIS

Bluffton, Ind.
Nov. 7 1934

Administrative Officer
V. M. Simmons

Dear Mr. Herman: Yesterday I received 175 sheets from J.K. Underwood of Knoxville Tenn. Among them are possibly 30 Carex, probably 1-2 Juncus, and I think 3 Luzula. One labeled L. saltuensis and 2 J. bulbosus

Now I thought you might wish to see these and in the event you do I will send them before mounted to save on postage and unmounted specimens go safer unmounted.

I enclose a card. If you wish to see them say, send them on. If not tell me No.

Here is hoping that you are O.K. and still going strong.

I am sincerely yours,

Chas. C. Deam.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Oct. 29 1934

Dear Herman:- I have your letter and note contents. No I did not send the *Callitriche* because it was so fragmentary and I thought we would let it ride until next summer. However, I am sending you all I have I made a note on each when I went over them which I enclose. I am now planning if every thing goes O.K. that I will visit this place next year. You may recall that it was agreed that we both go next year, so it is up to you to make arrangements to go with me on tour to collect *Carex* next May. I recently got a few *Carex* from Minnesota and among them was a *Carex Richardsoni*, so labeled, I did not try to check the determinations of any thing.

As to the locations will say Mt. Vernon for Posey County is correct I have studied all the maps I have and I think I now have it correct. I have taken this from my rural route map. Fact is that part of the county is not yet been mapped. The maps show the roads running thru the sections and now they are on section lines. My newest map is about 30 years old. The woods just south of Half Moon Pond is a post oak flat and where we got *Carex Bushii* was just a small depression in these woods and in such we may have black oak and pin oak.

The woods, Erwin, is a pin oak woods. Most of the stand is pin oak, a few *Q. bicolor*, a few *Q. stellata* on the higher parts and probably other species. But all about the pond it is pin oak.

Yes I will be at the Pittsburg meet if my health permits and I never miss a meeting. I expect to go on Christmas day and work in the Museum Herbarium the next day, As to Fernald being there you can wager
over

he will not be there. Pennell never attends but he may be there. He should be. Long never attends. Fassett and Weatherby neither will probably be there. If I get any dope on any of them going I will let you know. It is not only to meet the higher ups but to get acquainted with the mine run of fellows. I know most of them and will take great pleasure in introducing you to them. Wiegand is almost sure to be there, Avon Nelson will be there (except health), O. H. Jennings, The West Va. and Tenn bunch, Hitchcock, Blake, Swallen? Nichols sure to be there, Gleason? Greenman? Rosendahl? All the Ohio Bunch and usually we have 100 or more. Hope you can go if not too inconvenient. Victorin will probably be there, He usually attends.

Well I think this covers your letter. Write whenever the spirit moves you or in need of data, etc.

Chas. C. Deam

When you hear from Svenson about the Callitriche will you let me know what he calls em. I think there is one new species in it.

Deam

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Repl. 10/29

Board

Governor Paul V. McNutt
Lieut.-Gov. Clifford Townsend
Virgil M. Simmons
Paul Fry
James D. Adams

INDIANAPOLIS

Bluffton, Ind.
Oct. 27 1934

Administrative Officer
V. M. Simmons

Dear Herman:- I have your letter and notes its contents. Cheer up, probably the worst has come. Do not get panicky. Be sure first to take care of the dope for your degree. That is of prime importance.

Why in the heck is Bartlett going to the Phillipens. Better stay at home and work up some our home problems.

I am glad you have help. Use it to the utmost.

No I have no accessions from Sullivan County. The first I made after leaving Tippecanoe are from Posey County. I do not recall the Geranium episode. I have a vague remembrance of it. Think it was on the border of a small sandy field on west side of road and we went back thru it to a pond of about 2-3 acres. Throw the darn thing away. It must be some introduced thing. Think we got it on the low border of the south side of this pond and I just passed it up. In the event you think it worth while I will make a memo of it and will try to revisit the place if I live a few more decades and I am able to collect both physically and financially.

Well I have finished Desmodium. Carl Buhl wanted a "problem" and I suggested Desmodium and he has taken it up. I have given him my key and benefits of all my study so as to help him along with it. I sent him my 446 sheets which will give him something to play with at least. I have not seen the Kriebel Desmodium. He sent a set to Gray and One to Wash. Well I planted 16 lots of the Desmodium and fortunately I got some of the bad ones and if Buhl can not handle them may be next year the flowers will lend some help.

No I do not care for the Engelmann separates. I have his complete works bound in two volumes (\$200.00) Got them years ago when getting was good.

OVER

Say in my accession book I duplicated about 10-20 numbers and it happens that one you have is of this error. So will you please change your No. 55,226 to 55,326; also 55,224 should be 55,324 (both Kosciusko Co) *- done*

No!

Now you determine for me 55,315 Juncus Torreyi and it should be J. scirpoides. It was collected on the low border of the east side of Center Lake at Warsaw. I probably did take J. Torreyi but I got a nice series of J. scirpoides at the same place. Some semi-viviparous and I thought I sent you one of the later and of the regular ones. They have tuberous rhizomes. Now if I forgot to to send them, let me know and I will dig em up and send them.

Please enter the corrections indicated and oblige.

I am sincerely yours,

Chas. C. Deam.

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21,517 } Also Torreyi not scirp.
21,710 }

STATE OF INDIANA
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Buhl. 10/25/34

Board
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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Oct. 19 1934

Dear Mr. Hermann:—The plants here O.K. and if you had not enclosed the Adlumnia I might have sworn that you had never opened the box because it was wrapped bot inside and outside just as I do. Many thanks for the Adlumnia.

Enclosed find the 12 cents postage.

I am now discussing and cussing Desmodium. Think the Desmodium will win, at least until I send them away for determination.

By the way that man Buhl, wrote me sometime ago for a subject to write on or something to that effect and I suggested Desmodium and now he wants to borrow all of my material.

Well here are my best wishes. Do not work too hard.

Chas. C. Deam.

Kriebel - Desmodium, Leg. spec.
Sullivan Co. Geranium
Retained MS
Engelmann's specimens

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

INDIANAPOLIS

Administrative Officer
V. M. Simmons

Board
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James D. Adams

Bluffton, Ind.
Oct. 15 1934

Dear Herman:-I have your letter of Oct. 11 and in reply will say I am glad to learn you are living and O.K. but God sake do not kill your self working. Finish what you have and do not undertake any thing more. You will just kill yourself.

Now there is no hurry about my stuff. All I want is for you to turn over the Mss. of the Carex and Juncus in time for the Flora.

You keep the Carex & Juncus recetly named as long as you care for them because I have no use for them at all. All I will do with them will be to mount and store them becuasde you are doing the work.

Well Sat. & Sunday I went to the Ohio River to gather Asters. I got Salix longipes in a new station. Guess this was the only thing of importance I turned up. Say I am getting the reputation of being a fast driver. No one has gone around me this summer. We left the Ohio River yesterday at 2,30 and at 6,05 we were home., 163 mi. Had to get gas and had 4 towns to go thru with traffic lights.

Well I am just as busy as I can be. I am having trouble with Desmodium and Lespedeza. Hope to rework them this week.

Best wishes and do not hurry material back. When you complete a list I shall be glad to have so that I can keep my girl busy. I sent her home last Sat. for three days. I have nothing for her to do.

I am sincerely yours,

Chas. C. Deam.

Repl. 10/11/34

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INDIANAPOLIS

Bluffton, Ind.
Oct. 7 1934

Administrative Officer
V. M. Simmons

Dear Prof. Hermann:- Well the collecting season has ended and I am sending you all I have on hands. I send all of each number with one label and you take what your conscience allows you and return me the remainder. Just make a list of the names to the numbers and I can write my own labels I am sorry I could not get out and get more Juncus. I am just so rushed with "give me" work that I can get much done. Sat. I received a bundle of grasses to determine and every day or so it is this or that and the Flora rides. I expect to get at it again in a day or two. I made an 8 day trip to sw. Ind and I am working up this stuff. The sw. Ind. has had rains all summer and just as I got there it rained 3-4 days and the lowland was flooded. The area where you got the Callitriche was boot top in water. I must make that trip in the spring again to get that Callitriche if I am living.

Say my assistance is complaining all the time that I gave you too much duplicate copy. We are keeping up to date our duplicates. If we change the original we make the same changes in the duplicates. So I am sure it will not inconvenience you if you will return by mail all of the duplicate you do not need. I take it that all you need is one family and genus to get the style of Mss.

Now if there is any thing I can do for you holler. I hope you are feeling O.K. and progressing with the task you have assumed. I am about the same old thing, -trying to work and getting little done.

Glad to hear from you any time. Best wishes to you and family, I am sincerely yours,

Chas. C. Deam.

Best
C. Deam
Stamps
Send Adhemis, MS

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

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Bluffton, Ind.
Sept. 4 1934

Dear Mr. Hermann:- I have your two letters but company has been here continually so I had no time to write to any one or do any thing else. Too I am a "flat tire" and I am not able to work but I will try to answer your letter.

Letter Aug. 27. Now you keep strict account of postage and exp. I owe you and when it more than a dollar letter me know and I will send you a check.

Glad to learn you had a nive trp to Northern Peninsula. It is great to see for the first time new plants. Mrs. Deam went to Colo. but was gone only two weeks. She was wonderfully taken with the country and wants me to go with her out there when the Flora is done. Then done we will not have enough money to go out side of the state.

Say if you can get photostat aparatus and get it done as you say at a cent a page, then get all the literature published. You can borrow thru your library any old thing in existence from the Congressional library.

Yes I would like a good specimen of *Adlumnia gumgosa*.

The Baley Cariees here O.K. this.A.M.

Better borrow from the Mo.Gard. thru your Herb. at Mich. the *Carex austrina*. You should be able to bowwor any thing you want. See Bartlett of the head of the Bot. Dept/

The Pirdue List here O.K. Thanks.

Thanks for the work of sending Buhl the data re requested.

Lechea stricta reported for Ind. but I have never taken it. If I chance upon one I will get you one. I have the *Psilocarya scirpoides* for you. Guess this is all until I recuperate. I am sincerely yours,

Chas. C. Deam.

Locks strictly

Recd. 8/30

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INDIANAPOLIS

Bluffton, Ind.
Aug. 25 1934

Administrative Officer
V. M. Simmons

Dear Hermann: It has been sometime since I have heard from you. I hope you are O.K.

I received a letter from Carl Buhl and he wants the data on the Carex nos. I enclose. He wants to know if determination is correct, and if they occur in the dunes area and if so give him the data on the label. If outside the dune area, a statement to that effect is all necessary

Well I have not done much since I wrote you last. I was up to northern Ind. Thursday and Friday. I took two Junci. If I can I will send you the Junci, etc. I have taken up to date so that you will have them for study.

I am planning a trip to s. Ind. ~~next~~ beginning Sept. 12. Expect to out about a week.

Guess this is all. I hope you are feeling better than I do. I feel rotten but I am trying to work. Assistant is off duty (vacation) until day after Labor day. So during her absence I want to get some of my plants named up. So far, a week now I have not touched a thing. Took me almost a day to wait on Buhl. Then it took me a over a day to write Just about the papers in May number of Amer. Mid Nat. Presume you have seen it. Came out about 10 days ago. It may contain some Carex and Junci you will need to check up on. I feel sorry for Just that he lets papers get by with so many typo and other errors. I am doing my best to get on right track and to make him stick. Poor fellow he is trying to do two peoples work. Can not be done. Very best wishes, I am sincerely yours,

Chas. C. Deam.

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INDIANAPOLIS

Bluffton, Ind.
July 30 1934

Administrative Officer
V. M. Simmons

Dear Hermann:-I have your letter of July 26 and delay has been occasioned by being out of town. By the way I got a good lot of *Juncus scirpoides* yesterday in Kosciusko Co. I collected a good series and I marked for the best one. In the lot are also the viviparous forms. You just take your choice of the lot when you get them. If this No. you take 2 specimens. One a regular one and one with the viviparous culm. Otherwise nothing of interest to you.

I am glad you will try cutting the heads off the *J. Dudleyi*, etc. and see what the effect. Better get several clumps and cut off at different stages of growth.

Regret to hear of the destruction by drought. We have had only a few things to die but it cost us something to keep watering. Paid a boy 6,00 for last week

Now do not kill yourself to get things done. Leave something for the coming generation. And for God Sake let up on having wife copy that Torrey Bull. stuff. I will loan you my copy. All I ask at any time is to take care of my stuff and return it in good shape. By the way the other day I discovered ^{two} short items on *Carex* by Theo. Horn. Have forgotten the species he deals with. If you can use these I will send them up. Let me know No. of Torrey Bull and I will send it up. Why not tackle Mackenzie ~~get him up to date~~ ^{you must copy} ~~they will see that way~~ ~~Bartholomew~~ ~~that~~ ~~Candicans~~ for a duplicate of the article. If he refuses you no harm done. If you get no reaction, then ball him out on *C. albicans* and that will stir him up tell him after one letter you plan to write an article on it and ball him out and I bet you will get reply. OVER

~~XXXXXXXXXXXX~~

Since you must now have some charge for postage, etc. when you return the Purdue stuff let us clean the slate. Let me know what I owe altogether and I will send you check. Itemize the charge so I can pass it on to the State.

Hope you take the northern Mich trip

Glad to hear of the "happy ending" of Mrs .Erlanson.

I am sincerely yours,

Chas.C.Deam.

*Repl. - This word from Steyermark
Eragrostis key*

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INDIANAPOLIS

Bluffton, Ind.
July 22 1934

Administrative Officer
V. M. Simmons

Dear Mr. Hermann: Your letter of July 17 was duly received. Many thanks for your trouble.

I was out 3 days last week in northern Ind. and did not good. The drought had affected almost every thing, even bog plants are dried up. Then it was so hot Friday P.M. but I was driving. In the A.M. I fished for aquatics in Wolf Lake, Lake County but found nothing, guess I was not in best place so I was told when we quit. Guess I have nothing of interest to tell you about collecting. Junci have been as scarce as hens teeth. I had planned to go to southern Ind. to try my luck but I have been overcome by this heat wave. I do not feel like work and have little energy. Official record for Bluffton Friday was 106 and Sat. it was 111 and all time record. My room is now 92 and I do not feel like work. Paper says 36 hours before rain and then may be. The weather and my "feelings" will determine how much I will go out this season. I will be with the "boys" the last week of August. This the week for Ind. Botanists to take a field trip in Steuben County, 3 day trip.

As to *Juncus monistichus* I could not find it. All roads have been improved which means all of the road right of way has been plowed up and now the roadsides are mowed. I noted two reapers in the area the day I was out. I think I told you my impression of this *Juncus* is a second "brood" of an inflorescence. If it was a valid species it seems to me that some one would have found it. I do not now recall the character of the sheath but the height of the plant etc. looked like *J. Dudleyi* and the inflorescence reminded me of *J. tenuis* var. *Williamsii* or something like it. Would be interesting if you could transplant a lot of *Juncus* clumps of *J. Dudleyi* and *J. tenuis* and see what happens when you mow the early inflorescence off. It would have to be mowed probably before it bloomed, since

Smith took his specimens in August but may be that would be time enough. If you have a chance to plant some do so. I should have so myself and if I get out to the field again this summer I think I shall do so.

I am so sorry to give up the Posey Co. trip. I did want to get more of the Callitriche. Well we will not rush the mourners and hope for another year for both of us when we will make the Erwin swamp on schedule time and make a killing .

"ell now Hermann for God sake do ^{nto} kill your self. Put yourself in the hands of your wife who I believe will treat you a lot better than you will yourself. Remember it should be a long time yet before you die.

Now no hurry about my Carex or any thing else. Just take your time.

Here are my best wishes, I am sincerely yours,

Chas. C. Deam.

Repl. 7/17

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INDIANAPOLIS

Bluffton, Ind.
July 13 1934

Administrative Officer
V. M. Simmons

Dear Hermann: That man Buhl of Chicago is working on his additional flora of the pepon Flora and he sends me a whole lot of his ^Mss. and wants my nos on plants which he does not have. It happens that some of his inquiries cover Juncus and Carex. I hate to bother you but if you can without too much trouble supply the data on the following I will appreciate it. Please check determinations, be sure to do this. I append on another sheet the dope I want.

Say I was all worked up on going to Posey County today but I could not get any one to go with me. Think I will make it alone soon. Also I must rise out Wolf Lake for Potamogetons soon.

Well I will not bother you more. Best wishes to you and the Mrs. and daughter.

I am sincerely yours,

Chas. C. Deam.

P.S. Of course we do not wish to give Buhl and dope that will be of value to your paper. What do you think of letter him report for the Dunes area Carex and Juncus if we have any that have not been reported. Believe we will not get much of a kick out of it and he will quote my specimen as his authority and thus the users of his Flora will get information that they would not get otherwise. Of course it plant is new to Ind. that is different but if frequent in Ind. but not reported for the dunes area, it might help him out and not harm us at all.

Deam/

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INDIANAPOLIS

Bluffton, Ind.
July 7 1934

Administrative Officer
V. M. Simmons

Dear Hermann:- I am sending you the Carex I took in 3 pkgs. I send all of each number. You report to me by number and I will let you know if I have the species from the county and if not you can keep a sheet of each. I think there are several sheets with only one sheet of a number, these are those that you and I took together. You have a duplicate but under your own number. Now there is ^{not} hurry about naming my stuff. Do not think I have a single thing more than you and I got except a few earlier cosmopolitan species.

I did not run across the lost number or the paper. I am sorry.

Do not kill yourself in an endeavor to get this paper off hands at once. There is no particular hurry except the ^{sooner} you complete the longer time you will have to add corrections. I do not know if I will get out much more this year but in the event I do and get a Carex I will send it in in due time. Juncus must be about right now to take. I plan a trip Monday to northern Ind. Then Tues or Wednesday I plan to go to search for Juncus monistichus. Now I have a ^{sp} sneaking idea that this J. monistichus was a colony along the roadside cut off by a mower and that Smith's specimens are the "second brood". May be not. You will recall that his plants were collected in a rather immature stage and in August if I recall correctly. "evertheless I will make a diligent search for it this week because Juncus of that sort are now in fruit. I'll also try it ^{again} the date Smith reported his if I do not find it. I am now planning to make a trip to nw. Ind. to fish out Wolf Lake for Potamogetons and on that trip I will try for Juncus. With best wishes, I am sincerely yours,

Chas. C. Deam.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

July 4 1934

Dear Mr. Hermann: Your letter of June 28 was duly received but I have been out of town 2 days and since no immediate answer was required I put off answer. I will answer by taking it up in paragraphs. Yes Prof. J.H. Schaffner was here a day to take some of my time. Schaffner is certainly a fine teacher and I believe he knows his stuff as well or better than any one in the U.S.

By the way, I wrote Peattie a rather salty letter asking him where his specimens were and if he had certain specimens and I was agreeably surprised to receive a nice letter from him, with all the apologies and excuses he could muster for his deficiencies.

I regret you do not have your No. 6057, *Carex Haydeni*. The first package of plants sent home were put up by the old man we employ here and he takes the most outlandish method of putting them in the press you ever saw. It seems as if he takes the plants off the original sheet and then puts them in press and then puts the sheet in behind so that it will not interfere with drying. I tried to figure out his method so when I took them out I would not err. I was able to place the plants O.K. by the impression on the papers. I recall I had one extra paper of yours but I have no way of knowing the number right now. I will keep this number before me and see if I can run it down. The old man may have dropped the specimen or I may have it mixed, etc. Hope it will work out. If I have the same thing in my lot take it.

Many thanks for remembering me by calling the *Carex Deamii* but I feel I do not serve any such recognition. I shall await with anxiety to learn what you think it is. If a true species we will have to turn that country upside down next year, I am able to see that year and able to go. OVER

The Patoka Bottoms are nearby and in their widest expanse are 1-3 mi. wide. The area was never glaciated and has much of the floor^{ra} that we find in the Lower Wabash Valley. Unfortunately I have done little work in this area. The bottoms have had nothing but mud roads and usually in the spring you could not negotiate them. I have tried it time and again.

Many thanks for the diagnostic table of the species of *C. austrina* Deam's No. 43,219 and *C. aggregata*. I am not competent to pass judgment on the matter. Remember you are held responsible for the write up and you have no limitations. You can make new species, relegate Mackenzies stuff to the scrap heap or whatnot. I am only sorry I am not competent to help you any. I will do all I can to mould the bullets for you to fire, so go to it.

As to the *Carex* northwest of Earl Park, Benton Co, I did not take one. So here is another trip to make to get it if you did not get material sufficient. I think we should be rather accurate in expressing the location of this specimen. I look at the soil map and it would be just 1 mi.

northwest of Earl Park to the hill where we stopped. It was on the north side of the Big Four Ry. In Sec. 15 of Richland Twp. As I recall we made but one stop. There is a low place just nw. of Earl Park but we did not stop there. No as to giving me a part of the type of this species, forget it. Just so we know there exists such an animal and if opportunity offers I will visit the place next year, and if we can arrange we will try to make a killing next year. As data accumulates the better will we be prepared to do specific work

I note you are troubled by a *C. Sartwellii* you got east of Wolf Lake. Let me remind you that this is a very dry year and it is possible that the drought will show up in *Carex*

I note your request for *Psilocarya* and *Carex decomposita*. As to the later as I now recall it I never did collect it except here in Wells County I fear I will not see *Psilocarya* this year. It is common about Round Lake, Starke County, I mean. *P. nitens*. Will keep them in mind. I will not make many trips. They are expensive in money and time. Last week I was out two days looking for *Utricularies* and I found nothing worth bring home

except one number) *Epilobium adenocaulon*?

You ask data on localities. You mention *Geranium*, sp. in Sullivan County. I did not take any thing in Sullivan County As I now recall it we made 3 stops in Sullivan Co. The first was a swamp just south of a low hill and you went in and I stayed out and chatted with some women on west side of a road and south of you. Next we went to the Thos Durham farm and went thru a gate back about 200 ft. to a bog and a ditch a little farther west. Then we went to a swamp, entering at the ne. corner and went around going to our left.. Guess this swamp came first. Would have to consult map. Now these are the only 3 stops as I recall. If you can locate it and if not give the names of other plants you got if I was with you, etc.

Thos.

The Durham farm is about $1\frac{1}{4}$ mi. sw. of Grayville, Sullivan Co. *Poa Chapmanii* would be about 2 mi. north of Rockport, Spencer County, Gate Tree. When Wm. McClure of the colony visited Mexico he brought back with him a foreign tree and planted at near his gate. We could have seen it but I did not think to show it you. It is the Goldenrain Tree (*Coelreuteria paniculata* Lam.) Unfortunately not indexed in Dean's Trees last ed. See page 271 of Trees Ind.

As to *Juncus diffusissimus* No. 16,087 will say that is O.K. according to my accession book. Ripley County, roadside 6 mi. e. of Versailles, as a smut I believe. I have it (*Contractis Junci* (Sched.) Trel. but I have no specimen. I may have a sheet of it filed away with my named rusts, smuts, etc. If you wish me to look for it, say so and if you want say so and it is yours. Let me know and I will send it with the ^{it} *Carex* I will send you withing a week.

Sure I want all the notes on errors in all my books. I may have caught them and I may not have. I caught one you send me but the *Stipa* error I had not so there you did a good ~~XXXX~~ turn. Come again but I hope not too often. I tell you it is some stunt to produce a book free of errors To get a book as perfect as the Gray Manual you must have several people read. Weatherwax and I read the proof. OVER

Now my assistant is off for a week and I will go at it at once and write
the data for the Carex. That is I will write data for one label and send
you all I collected of it and then you list the names and I will let you
know what to return. and in turn you can keep all you want of the
remainder.

Guess this is all. In due time you will get the Carex I have
taken this year and there is no hurry about naming them. I have not
preserved the numbers in succession but I presume that will not mean
much to you.

Here are my best wishes. The Carex season is about over.
Next week I want to visit a clump of Carex lupulina I thought need it. I
took it last year when it was immature.

Chas. C. Deam.

P.S. There never will be a second ed. of the Grasses. Will never find
enough suckers to buy the first edition.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

June 20 1934

Dear Mr. Hermann:- I have just Steyermark's article in last No. of Rhodora. It is a splendid article and gives much data and subject for thought on distribution of our present Flora. He mentions *Carex austrina* as being restricted to the Ozarks while I think we have it in Ind. Also he mentions *Carex mesochorea*. Why not snap up this opportunity to write him. I know him and he is a nice young fellow much like yourself. He has collected considerable and you might strike up an exchange, etc. You get me Al.

Last week I was out two days trying to get *Deschampsia* and *Utricularia* and I got the first and one collection of *U. intermedia*. Next week I plan to make a two day trip to n. Ind. to collect again. *Juncus* may be far enough along to take by that time. Will always keep them in mind. I do want to go to sw. Ind. again I have so many things to look up but wife objects to me trying to get every thing. There is scarcely a genus that does not need attention. I am now working on *Dioscorea* and I need data on it. I found *D. hirticaulis* in sw. Ind. which is known only from the Piedmont in Carolinas. I would not be so anxious to collect but darn fools like myself are not born every decade so if I do not get busy damn civilization may obliterate every trace of certain plants before another darn fool comes along

Here are my best wishes to you and Mrs. and little girl and if I can be of assistance let me know. Now if you do not wish to contact Steyermark I can do the job.

I am sincerely yours,

Chas. C. Deam.

over

I have been a correspondent of L.H. Bailey these many years. I sent him a peculiar grape last year and recently he wrote me that it was a sterile one. I told him I had been to southern Ind. to collect more of the new Rubus south of Half Moon Pond and some other items I wanted to check up on and one was the hybrid Carex. That is why he writes as he does. I enclose you the letter which toss to the waste basket. However, since you have a pretty good supply of Carex hybridus, when you have studied it and distribute it, it would not be a bad idea to send him a specimen if a contact with him will be of any value to you. You use the letter to your advantage if you can squeeze any thing out of it. I think you have the idea O.K. that you must make friends and then use them. This reminds me of a story. A friend of mine who was an enthusiastic sportsman belonged to a gun club and a dealer of sporting goods was also a member. My friend bought a rifle of him and later learned that he could have bought the same gun of another dealer much cheaper. he called the dealer's attention to the fact that he over charged him and he said: Why you are a friend of mine, isn't it you. Yes he replied. Well that is the way I make my living by using my friends. Again you get me Al.

Dean.

Recd. 6/18

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Bluffton, Ind.
June 14 1934

Dear Hermann: I have your letter and list of the Greene Carex. Thanks. I note what you say about the Erwin woods swamp. Glad you found it profitable. It had been pastured for many years and has little else in it except the swamp. This woods runs $1\frac{1}{2}$ mi. south. That is the back end of the farms are still in woods, leaving a continuous stretch of $1\frac{1}{2}$ mi. Now about a half mile south of the Erwin pond or swamp is a short slough surrounded with Populus heterophylla, Salix sp. and in fact has an entirely different flora. I want to revisit it. I was there but once. I found as abundant about this swamp an *Alisma* which I took to be the *Alisma Pringlei*. It has a bulb (single large one at the end of the stem while our northern one has a string of em. I dug several of them but fool like never brought them home with me. It was not in flower or fruit. Now these woods are level but in one place there is a slight elevation, possibly 2 ft. and on it are black jack oak. Say I could entertain you several days in that part of Posey County. I feel sure I must have worked it in all the past 20 years at least 2 mos. It seems as if every woods has something different. I never tire of the "pocket" in Posey Co. I have found so many plants of the southwest in it. It would be a good subject to write up. For example the *Leptochloa floribunda* has been found in a very peculiar sloughy pond in this county, next in Miss. and La. See Deam's Grasses. This Posey Co, area and the Spencer County area (where you failed to get any thing) are rich in Coastal and sw. plants.

Now as to *Callitriche* we had better pool our catch when we send it on to ~~Max~~ Svenson. So when I send you the *Carex* I got on this trip I will include the *Callitriche* and when it is all returned from Svenson, send me (OVER

me a sprig so I can have some of it. I will put this Callitriche plant on my mental memoranda to collect in Posey Co, if I ever get back there in June. I fear this plant will not hold over, I mean prolong its flowering season.

Peattie's Flora was published by the Field Museum in 1930. It is a 12 mo, limp or flexible covering, 432 pages and costs \$2.00. No worker of Ind. Flora should be without it. It has both good and bad things in it. You probably know the vicissitudes it went thru. If not I can tell you or Standley of the Field Museum can. The Cyperaceae was contributed by Dr. N.C. Fassett.

Well as time goes on we have something else to write about Tomorrow I plan to go up to St. Joseph and LaPorte Cos. to get the Deschampsia in fruit and the Utricularia intermedia. I will not forget Carex either Now do not get panicky to complete the job in a hurry. No use of killing yourself. If my health keeps up and other matters converge O.K. may be you would like to repeat your Carex trip again next year, with a little more time, etc. By that time you will be able to recognize the species better and what I am anxious to learn if we have Carex from the southeast we should find in Indiana in the southeastern corner of the State. A poor place to collect (all cleared and farmed out) that is the hills, and they have no springs or boggy places (at least that I remember of). Please keep this in mind. We have one anomaly in Carex eburnea. I found it once on a seepy limestone? slope in Clifty Falls along the Ohio River and then near Miller on a low dune, ~~xxxx~~ in the shade under a tree within 300 feet of Lake Mich. My only two records.. Oh well the Carex business in Ind. is not yet all known. Wish we had at least a two week trip. If there are more sw. Carex I do not have, I believe more work in the "pocket" will bring them to light.

I am sincerely yours,

Chas. C. Deam.

HERBARIUM OF L. H. BAILEY
ETHEL ZOE BAILEY, CURATOR
ITHACA, N. Y.

June 16, 1934

Mr. Chas. C. Deam,
Bluffton, Ind.

Dear Mr. Deam:

You need not trouble to send me the roots of
Vitis. I think I understand the situation.

I am interested in your mention of Carex. I still
keep up my old Carex collection, which I think is still the
largest personal collection in the country, and I am always
glad of additions to it.

Sincerely yours,

L. H. Bailey

amos to Hermann:

Reyl. 6/12

Your Callitriche 6097 is so far as I can see sp.nov. See notes on sheet.

Your Callitriche 6098 ditto.

They may be southern but not of Small's Flora, last ed. Neither fit any thing of B. & B. Flora, Gray, Fassett, Wis. Acad. Sci. 28:-

I have not investigated farther. These are your discovery and you must take full credit for discovering them. If you can not determine them, send them to some one, I see Svenson has made some studies on them and has material accessible. If you wish to wait, I plan to make another trip to southern Ind. yet this year and it is possible that I can get more material. At le st it is all up to you to get it determined and let me know what it is. You gave me a liberal portion in the field and if you wish I can send you what I have also. All I need is a scrap to show that it does occur in Ind.

~~The Myosotis scirpoides L. taken in St. Joseph Co. is new to Ind. No.~~

I take it back, I find it has been found and reported in Pepon's Flora and ~~Estlin's Flora~~

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Bluffton, Ind. June 11 1934

Dear Hermann: This is our wedding anniversary. Married 43 years. Hope you folks can stand it that long and have 3 wild west grand children like we have.

I am sending your plants via parcel post. Hope they arrive O.K. I made two notes on them. Had visitors all day Sunday (garden) and I am covered with work. Now if there is any thing for me to do, let me know and I will do my darrest. I hope you got home O.K. and are anxious to determine the plants we got. Let me know how many labels you need from each county and I will send them right on. This is all I can think of at present. Think I shall soon assemble the Carex I took on this trip so you can have them to study when you determine yours. Of course our numbers will not co-incide but the data will furnish the key. Well I hope after you got home, sobered up and rested up you can look back on the trip as a pleasant and profitable one. best wishes, I am sincerely yours, Chas. C. Deam

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Rec. 5/2?

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
May 28, ed no.2.

Dear Hermann: I wrote you this A.M. but assistant was raring to go and I have already forgotten what I wrote. A few more trips and I will be a candidate for the bug house. As to Carex season it has been blasted especially in the dunes area, because most of the dunes have been burned. No less crime and penalty than death should be the standard disposal of the ones starting fires. They are even burning marshes. On my way up to the Acad. get. I went past the Leesburg swamp, the best in Ind. and the type locality of Carex laricina and they are draining it but I think we can yet get what we want. I think I took it twice on my trip north last week.

Now as to C. Richardsonii I do not know if I got it or not. I got one queffr looking carex which I think is it. I got one stand of C. umbellata and one of what I take to be C. tonsa. ^{XX} "ell I can go to the place of the queffr one and I will have them isolated ^{here} so that when you get here we can go over all I have collected and note if any are worth while recollecting.

When I sent you the Carex Flora of West Pa. I did not even read it and of course I did not know its value. I thought since it was regional it might serve you. You know better than I do that Wiegand is in class of botanists of the "first magnitude". I use his Flora as a guide all the time. I never catch him in an error.

You mistake when you say I am a camera fiend. I do lay ^{claim} to being the biggest boop on the subject. If I get a good snap it is a mistake. If you think it advisable we can take my outfit also. The Carex hybrid is right on the road if not annihilated. My lens is Gert. F3 and for that reason is to be desired if the subject is subject to much motion like tree leaves and grsses. OVER

Now why not come direct to Bluffton and leave off all stops and come on
May 31. *If I recall you can leave home about 10⁰⁰ AM* Now this will insure us another day which will be needed. As I wrote
you if you decide to come ^{May} 31, wire or write Dr. Just. The earlier we
go up there the better. He had planned to go to the Great Smokies a few
days earlier but he agreed to wait until we came. So a day earlier will
suit him. I think you will have time to write him since you are on direct
line to Notre Dame.

Now as to me meeting you, you be boss. Tell me when and where or not all
As I now recall all this meeting business was about the C. laricina. Now if
on our trip we do not pan out all we want we can arrange to stop when you
go home, so I believe it best to not ⁱⁿ crowd the mourners and come direct.
I regret to inform you that my wife will not be here when you return
so please bring the wife direct to our place. We want to see the baby.
You surely can get here by 5,30. Then wash up and straighten up, eat supper
and take 6,40 train for Indpls. Arrive at Indpls at 9,30 P.M. If you leave
on car at 4,35 it may be on an empty stomach. If you have any preferences
of foods Mrs. will do her best. Now I suggest this because Mrs. Deam
the next week will be up in Micgian trekking around with members of the
Gardens Soc. of America. Now you fight out the schedule. My suggestion is
that you get here as early as you can so you can take a look at our weed
~~sixx~~ patch and after dark we can uncarex the carex job. You get word to
Just that we will be at Notre Dame the next day after you get here at 10,00
A.m. if you are not adverse to getting up with the sun or earlier. You ~~might~~
might make a memo that you will not pick up any flesh the week you are with
me. My assistant is worried because she will not get to see you. But if you
can come Thursday eve, May 31, then she can. Say I must shut up or I will not
get any thing done. Here are my best wishes, and intinery in your hands.
Any old thing will go and be O.K. with me.

Sincerely yours,

Chas. C. Deam.

P.S. Just received word that Fassett is sorting out the Fungus and Carex for
you. Please note the Lord so far is on our side.

Deam

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INDIANAPOLIS

Bluffton, Ind.
May 28 1934

Administrative Officer
V. M. Simmons

Dear Hermann:- I have your letter of May 25 and I hasten to reply.
I note the haste you must make on return trip and if I recall you said
you get away from Ann Arbor about 10,00 A. M. Now this mat suit you much
better to leave May 31 at 10,00 A.M. and drive direct to Bluffton and
not stop at all. I am planning to visit the Lessburg swamp the type locality
of Carex laricina. Now if you prefer to leave May 31, will you write
Dr.Theodor Just, Botany Dept. Notre Dame U., Notre Dame, Ind. and tell
him we will be there ~~XXXX~~ Friday A.M. instead of Sat. as I had arranged.
I think this will suit him just as well. We should be at Notre Dame
by 10,00 A.M. When you write him if he can not see us on Friday to wire
you at your expense and I will reimburse you and you need not wire me
because I will get you any time you get here .All days and every thing
looks alike to me. Now as to accouterments. Bring your or rather
wear collecting rags and leave all behind. We can go into any hotel and if
they are convinced they will get their money you can go in naked. Hotels
are on the "lift". Glad to know you can get camera. Better get a few
plates of films as you may want. Better be prepared with wating boots
but may be we will not need them but a pr. of gum boots or leather ones
may come in handy. Guess this is all. If I think of any thing else I
will write later as my assistant is ready to go up town,

Yours,

Chas.C.Deam.

Recd. 5/25

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
May 22 1934

Dear Hermann: I have your letter dated May 20 1934. I am glad you are still O.K. for going. I am a rearing to go. I leave in the morning for the Acad. meet. I will be in the field 4 days and I will not miss any Carex.

I have entered your correction on Carex. Now as to Luzula I have made no especial study of them. I loaned my outfit to T.G. Yunkoer and it was returned without a scratch on it. Guess the job was too much for them. May be when you see my Luzula you can get a better idea of them. I think you will find echinata does not occur in Ind. I have a few of our prairie plants isolated as L. bulbosa. As to Carex Bicknellii I know nothing.

I am glad to get the dose on the trip. I can now figure out more about our trip. What I want is you to see the Notre Dame material and pass on that Greene stuff and if Just does not loan you the Notre Dame stuff he had better. So I think we should clean up on Notre Dame in an hour or two. We will try to arrive there at noon the first day, then beat it to C. Richardsonii, etc. Now this Thursday I am to meet Carl Buhl of U. of Chicago who is revising the Pepon List of Plants and my plan to go directly to the C. Richardsonii area and keep at it until we locate it. I enclose a proposed Trek which please return to me so I can rework it when I get back from Acad. meet. Now as to the good wife and daughter, pretty early to get them started so early. She must be better humored than my wife for she will do any thing but get up early (years ago) now she gets ^{up} whether she needs to or not at 5,00 while I rest until 6,00 A.M. Now we have no buss between Ft. Wayne and Indpls. We could bring her to Ft. Wayne and let her off at Interurban Station or bring her onto Bluffton. I have a place I want you to collect a half hour just south of Ft. Wayne. It is on the old lake shore of Glacial Lake Maumee (OVER

On this shore (lake sand) we have plants not found elsewhere except Lake Mich. But nearly all the plants gone. However, there is *C. Muhlenbergii* and may some others that might interest you. *C. tricocarpa* is there also, I mean was. The last few years they have been doing their best to destroy the whole mess. At least I believe it will be worth while to stop there. Now the fare on the Interurban for round trip is $1\frac{1}{2}$ fare. From Bluffton it is I think 2,94 and from ~~Indpls~~ Ft. Wayne it would be 1,00 more. If she has means for some one to meet her at Indpls and can go late O.K. The thru trains leave every 2 hours. Now my assistant will get time table and mail you. Now we can spend as much time enroute home as you like. I have a swamp near Bluffton, I want you to see but we can get to it late in eve. So we can make it convenient to get to Ft. Wayne, say 3,00 P.M. or even earlier. If wife takes car there it takes about $3\frac{1}{2}$ hrs to make the trip. Now as to time enroute we can shorten it much more if you wish. We can ~~go~~^{leave} from Pokagon in a half an hour and spent a half hour at Garret for *C. laricina* and be in Ft. Wayne by 1,00 ^{or there} That depends on how fast you drive. So it will all be up to you. If your car does not have good tires drive slowly. Mine has new ones with puncture proof inner tubes so there is no or little danger of a down. Had none last year or so far this year and we have over 2,000 mi. on it.

I made some memos which I enclose. Return map schedule when you write. In the event you wish to write me before I get back ^{at} eve, address me C/o Dunes Hotel, Chesterton, Ind. I will leave there early Sat. morn. Say ~~do~~ not write me there. Mail to and from that place slow as National Recovery best wishes, I am sincerely yours,

Chas. C. Deam.

P.S. Any suggestions as what we should take along, let me have them. I have a long list. Only thing is to leave at home non-essentials.

P.S. Saw doctor Sat, was tested for 3 hours. results. I have a relapse of Spring Fever. I have a very low blood pressure which makes me feel tired. He told me to drink a quart of coffee in A.M. and take strychnine tables ^{3 or 4} at each meal, etc. and may be I can whip myself into action. If on the trip you do all the work, I think we can make it O.K. Deam.

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Administrative Officer
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Memos for Hermann.

Would you like to collect the hybrid *Carex Shortiana* x *typhina*. Are hybrids rather rare for *Carex*. If road have not been shot up I can go to exact spot. Do you have a good pocket camera you would be willing to take along. I am and expert with a camera. I had the first one that came to this county, over 35 years ago and I have had 4 and I have burnt up many a plate and film and I rarely get a picture. I take the first booby prize on this line. I now have a 4 x 5 camera, one you have to carry a tripod and a big load. So I never take it. If you are willing to tote the thing around we might take it and figuring mathematically we might get a good picture. The lense is a "ertz Dagor" one that the lens cost me wholesale \$9.50. It really takes pictures but the bellows I thing leak a little. I will put all expense for photos if you will tote cameras and wish to take one. I do not know how much you wish to collect. If you snap into getting specimens a camera except it be a pocket one will be a nuisance.. If you want the big one let me know, so I can some films for it. I prefer plates but you can not get em here. Thought you might wish to take a few *Carex* in situ (rare ones). The ones in Posey County will not be far from machine. We can decide this after you come i if you like.

You have Wiegand's treatment of *Carex* in Cayuga Flora ?

Rev. 5/20

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
May 17 1934

Dear Hermann: Your letter of 15 received and the dePaw list. Many thanks. These lists give my assistant something to do

I am glad to get the list of Carex you wish to see. I will look up localities and see how many we can get. Think we can get at least ~~84%~~ 50%. Trouble is I may revisit the locality to find it drained or pastured. But we will give em a run for their lives just the same. We can be downed but not licked.

Well I am glad to see you are not willing to take up a report for a species except it is pig tight. Treat em rough. That is the way a man told me how to treat my wife. "Treat em rough and don't tell em a damn thing". Well I do not do that way and I think I have the best wife that lives. Back to Carex Let us rule out every thing there is a shadow of doubt about. In your excluded species you can discuss the cases. Now as to Juncus littoralis for Putnam Co, you are between the devil and the deep sea. You see the specimen (all specimens must look alike to you) you must accept the data with the provision that it may have been confused. Then discuss reasons for refusing to accept the data. I will never forget an experience I had at the home of C.K. Dodge at Port Huron Mich. He was a poor man and had one room for his collection and the greater part was not mounted. He went out and collected and but the lot in between a large newspaper and on top of the last sheet we had an accession label. These successive collections were piled up until they were wiggly. Well he wanted to show be a certain specimen and down came the whole pile of specimens, and data labels ^{flew} ~~frax~~ out etc. Now he reassembled them at his leisure. ^{could} He said he see impress on paper where most of them belonged, etc. If it had occurred with me I would have discarded the lot. I tell Mrs. Deam OVER

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when she poisons plants in the event the wind blows or for any reason a plant may be in doubt as to which label it belongs, to invariably destroy both. Yet no doubt errors will creep in because I am far from being infallible but I know I am more careful than many.

Thanks for the data on *Juncus nodatus*. This is a flat about 2-3 mi. south of Tefft. that was an interior sea when the Mississippi Embayment was going strong. I think it took in Bass Lake of Starke County. Botanists can tell these geologists something I believe. If you think it advisable we can visit some of this area on our trip. It will be a little off the trek. Much depends upon time at your disposal.

Grimes *Juncus Greenei*, better let this go by. I knew Grimes well and was acquainted with all his movements. It was I who got him his job on the Soil Survey and started him in on botany. He made a soil survey of Starke County and he might find it there. My judgment is just to pass it up altogether. As to *Carex formosa* just say the Grimes specimen you refer to *C. Davissii* I believe, Then we have another record for this species for Putnam Co. You can say so but we have no specimen to back up the record so it is excluded. You will get hard boiled if you have excluded as many as I have.

I note you have one my specimens in which there is a mix up. Will you please destroy the specimen and oblige. That will settle the matter easily. No doubt just one of those cases where an ignoramus collected two species and *C. ackenzie* the *C. striatula* and I mounted a "duplicate" which was another species.

No I never noted monstrosities of *C. Wildenovii* or any thing else. I told you several times I do not know *Carex* except to distinguish them from sedges and grasses.

Now I will go over the *Paup* list of *Carex* and see if there is any thing in it that needs investigation; I note you report *C. Asa-Grayi*. Do you recognize the pubescent variety? I note you have several *C. Bicknellii* and I never got it. Wonder I was all the time. I find nothing unusual in the list, O.K.

I am sincerely yours, Chas. C. Deam. One of the best things is *C. plana* from Putnam Co.

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INDIANAPOLIS

Bluffton, Ind.
May 16 1934

Administrative Officer
V. M. Simmons

Dear Hermann: May be you think I am working to spend postage but we must exchange a few letters to make arrangements for our "flying trip" to southern Ind. I write early because as I now plan it I will leave Tuesday ^{May 24} or Wednesday to attend the Ind. Acad. Science meet and get home until Sat. May 26 and after that we will not have time to do much communication so if possible it should be arranged before hand. The one handicap I now fear is that I may not be able to go at all. I am getting old so darn fast and my breaks are failing to work and they do not grab soon ⁺ will be done for. I was over to Lafayette two days and I have not got rested up yet. But I am half bull-dog and the rest yaller dog and I never give up until I am compelled to, so we go ^{into} ahead and plan ^{out} as if all would go well. I never have had yet to give up and here is hoping. Now you are for Carex primarily and I will plan accordingly. Now I fear th the swamp south of Garrettt has been drained too much to have the Carex laricina in it. Now I do not know how soon you can leave Ann Arbor, June 1. If I recall correctly it is 168 miles from there here. Now it is about 75 miles from here to Pokagon State Park and I believe we had better arrange to meet there. I do not care to start out too early, especially when I will be on a "tear" for sometime. Suppose I leave here at 7,00 A.M. and get to Pokagon State Park at 9,30, presume I will make it sooner but road is hard to drive, too many short hills and crooked. You come via Mich. St. Road 112 to Coldwater, Mich and then south on St. Rd. 27 I believe or at least take the road for Angola, Ind. After you ^{reach} the Ind. State Line go on about 3-4 mi. and on your right side of road you will see the sign Pokagon State Park. Turn to your right here. Go about a half mile and park on right hand side. If you ^{observe} closely you come to a woods on right (OVER)

which is a decadent tamarack swamp. It has a lot of sphagnum and is one of the best in Ind. but I do not recall any Carex. Well we can work it in a short time. Then just south of this place about 80 rods is a large marsh which we can work and then go on to ^{find at} Carrett. Now the place to stop after you turn right is at the right hand side of a roadside cut, possibly 10 ft high. It will be the first cut after you enter the woods on the right hand. There will be woods on both sides when you stop.

The tamarack swamp is east of where you stop. Now as to equipment to bring. You can bring some clean clothes if you wish or do as I do sometimes, just turn em inside out and let the inside air out and wear clean. That is a matter of choice. I suggest that you bring your own press and be prepared to give your collections an accession number. Then we can send them in here and wife will dry them. Do not think of trying to dry plants enroute. I mail package in every day and plants are dried here in Riker presses under lanterns. I will take care of having paper, wrapping, strings, etc. and can furnish you white sheets for putting plants on if you are not provided. You will not be at any expense except you must

buy your own cigarettes. I will provide a string of soup bones we can gnaw at enroute. I enclose the latest road map. As I now have it in mind June 2 we will leave here for South Bend and get there by noon. ^{to study the E. Green corx} We will first go to the Leesburg Swamp the type locality of *C. laricina*. I have not been there for many years but I hope it will be O.K. The man who owned has died but we will try to make our peace with the present owner and if he objects to us going in we will drive around to the other side and get in. This swamp is about 5-6 mi. north of Warsaw. From there on I do not know where we will go until we talk matters over. There are a few places worth ^{enroute} visiting. After we leave South Bend we will probably go direct to Pine. That is now the ^{west} side of Gary and is about where the G of Gary is located. On back of map see map of Calument region. On the west side see Clark St., 3 mi. to the west. Well Pine is on the Lake, Clark Street continues on to the lake. Pine is no town only a small residue of hell. I plan to go up there next ^{week} to find the *C. Richardsonii* and spot it for us.

100000

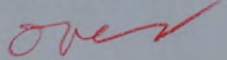
3

There is a large decadent tamarack swamp I hope to get into located in Laporte County. If I think it worth while we will go there, otherwise I think we may take a little time on the east side of Wolf Lake, see Calumet Region Map. This is in the nw. corner of State and one E.J.Hill's classic collecting places. After we leave the Lake Re^gion we will go south to Benton Co on St.Rd. 41 and at Fowler we will go east 7 mi. to get Carex austrina?. Then ~~xxxxxxxRxxxx~~ continue on Rd 52 to Lafayette, then n. on 43 about 6 mi. to a small swamp where I saw a Carex last week. Then south to Lafayette and out on St.^hd 25 to Carex heliophila????, Then south to Crawfordsville to see ^Uechtel and get that Carex? Then south to Posey County, if do not go to Greencastle we will go on road 47 to St.^hd. 41 and then south, to Evansville, then west to Mt.Vernon and then into country. Returning ~~xxxx~~ p^{ro}bably the quickest way. I know all the roads and places and we can work that out enrout^e and be controlled by how I stand up and weather. Now you may have some places you wish in partic lar to visit if you do let me know and I will see that we get there. The Juncus nodatus will not be ready I presume but we go within a mile of a known station and we could nose into it if you like. As you may know there are no lakes or bogs in southern Ind. There a few river terrace bogs but these rare and most of them used as hog wallows.

Guess this is all. Will keep you posted. As soon as you can decide lenght of time from the time you leave until you must return let me know. You will not be compelled to stay all the time but I suspect the time allotted will be too few days

If there is any thing I can do let me know. I have written Hottes for the Ill. stuff. Will write Fassett soon. I am now working on Polygonatum^a and I have not yet decided what species I have . I have one of the largest collections of Polygonatum in the U.S. Too I have all the species growing here, at least I think I have.

I am sincerely yours, Chas.C.Deam.



I am sending you a road map and the Bailey separate on Carex.

Think I told you I have the Schweinitz Mon. of Carex and I think you said you did not need it. If you need it I can loan it you.

Deam

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I am sincerely yours, G. S. Deam.

Smith & Bailey

24,924 "C. strictula" Lill. R. R. M.
is "C. grisea" Wall.

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INDIANAPOLIS

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Administrative Officer
V. M. Simmons

Board
Governor Paul V. McNutt
Lieut.-Gov. Clifford Townsend
Virgil M. Simmons
Paul Fry
James D. Adams

Bluffton, Ind.
May 14 1934

Dear Mr. Dorner:-Went to Lafayette Friday and back home Sat. eve all in and found two foresters here and they left at 2,00 P.M. yesterday so I had little time to recuperate. I know you with all the pep you have can not understand how us old guys run ~~out~~ out of gas. Your letter of May 9 here O.K. Many thanks for the lists. However to maintain my reputation for kicking, I call your attention to a report in the DePauw list, *Juncus balticus littoralis* var. *dissitiflorus* by M. Bailey. I think Miss Bailey died. Report from Putnam County. Now as I undersatdn this species it belongs to the shore of Lake Mich. only. Putnam County has no habitat for this species. No lakes, only a few bogs. So I would exclude it on general principals until you would be able to rediscover it. So far as I am concerned I would scrap it regardless of what data the label bore. On our return trip from southern Ind. we can go thru Greencastle and get more dope on it if you wish. Exclude. Label: "Near Greencastle, 5/22"

The record for *J. nodatus* from Jasper County is extremely interesting. I want to get the exact locality and see if I can get it too. There is a pocket up in the ne. corner of Jasper County where we get several sw. plants and it is my believe that this area was a bayou of an arm of the Miss. Embayment. My belief is that the area south of the Kankakee River was all under water for several miles. I will call you attention to it when we go south if in daytime. Grimes report for *J. Greenii* for Fulton extends the range of this species. I want to get the dope on it. I note you have it Fulton County while Grimes widow reported all of Grimes collection and she has it Fountain County. I do not recall that Grimes was ever in Fulton County but was in fountain County. This should be checked. a blank label (Heading: "Flora of Ind., Collected C. J. Grimes") Fulton Co. added. I suppose you have returned the specimens. Mrs. Grimes (Erlanson) reported on Grimes collections and no doubt some corrections should be made. It would be (OVER

of interest to interpolate in the publication the errors. Mrs. Erlanson did not check the determinations and left them go in as named. I have made a memo on this to look up.

I will write Hottes at once for the Ind. Juncus and ^Carex.

As for pasting slip, Rev. of Carex, etc. by Hermann, not necessary if you write in ink on sheet and your name which is quite O.K.

As to going to Ann Arbor that is all off if you do not need material. I was out only 2 days and I am all shot up and too busy to be sociable. I just received program for the Ind. Acad. Sci. meet ^{for} ~~xxx~~ next week. It does not fit me at all and I presume I will have to bolt the party. I plan to get services of a game warden to go with me. For me to go to Ann Arbor would stress me and take up time. I am ~~xxx~~ just too busy to lay off. What I want is to have as long a trip with you as possible. I went to Lafayette and return and the woods are just burnt up and most of the Carex a sterile tufts of leaves. I would like if you do not care to do so. say on my sheets of nCarex O.K. Hermann, or use the accustomed sign (Exclamation point which I do not have on this machine! Hermann ^{This will show that the sheet went thru your hands. Always write on sheet} the present accepted name as you think it should be. No doubt your revision of Ind. Carex will stick for sometime and after we have all the returns in few additions will be made.

Sure bring the Ford Truck. We can pack all of my material in it and rope it down so it can not get away. Now when you reach here we will use my car. You can go faster. I was along ^e Saturday and I tried it out and the fastest it will go is 80-82 miles. 50 miles it rides easy. At 60-65 it is rough, may be skimmies, at 70-75 it runs rather smooth again. I find one can not do much botanizing at 60 per hour. It is all right for old men to go as fast as they darn please because if they get killed little gone but young hopes like you should drive slower because you have a future ahead of you.

No not enough of Carex heliophila for 110 sheets. Too dry in Ind. to get any thing

^MCoy is on the staff of one of those Money Loans Grafts, if I am correct. Nice fellow however, Well I will sign off and write you when my head clears up.

I am sincerely yours, Chas. C. Deam.

Recd. 5/7/34

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
May 6 1934

Dear Mr. Hermann:—I have your letters of Apr. 28 & May 2.

Your first letter first. As to the *Carex mesochorea* from Montgomery Co, let us go thru Crawfordsville and have Bechtel go with us and get more of the rare species. I will make a memo of this and we can write Bechtel in advance of our coming and tell him when we can use him. Too important to ask if he can go with us. This will assume the form of a command.

By the way, I am sending the *Trillia* to you by this mail. Do you have Bailey's Synopsis of N. Amer. *Carex*, pub. in Proc. Amer. Acad. Scie. & Arts. in 1886? This has a bibliography up to date at the end of paper. This is a separate and you need it, I will loan it to you. By the way, if you see any of the *Boott* stuff you will be lucky. I saw a fine set that Mackenzie had I never heard of a copy for sale and it must be rare. Now as to my going to Ann Arbor I do not care to go except it is necessary. I want to go but I am just too darn busy to be sociable. If you wish more of the *Carex* I can come up any day between and inclusive of May 14-18. That is I would bring a load up and arrive in the eve and leave early the next morning. This would give me 2 days to botanize in northern Ind. I want to go up north any way so I might just as well take a loan up with me. Let me know about it. Think I should go about May 15. I want to get some *Crataegus*, etc. Let me know.

I was over to Urbana Ill. last week and I talked to Prof. Hottes and I asked him about the loan of Ind. *Carex* and *Juncus* from Ind. These will include Hill's stuff primarily. He said he would be glad to loan them. Let me know on enclosed card if you will look them over and paste on each sheet your determination. Fact is he is anxious for their specimens to go (OVER
of this stuff)

thru the hands of a specialist.

Many thanks for the Friesner list of plants. The Mrs. (Winch) my assist. will stab the maps as you have the list but I take exception to one report which should be investigated. I refer to *Juncus pelocarpus*. This species I believe is restricted to the Dunes Area. You have it from Jefferson Co. While this is possible I think there is something wrong. You may have had Jefferson in mind and copied wrong or Friesner may have gotten his data mixed up. I want to get this unraveled soon as I can so I can rediscover it. Shall I write him or do you wish to write him. I want to get habitat and location where he collected it. and oblige.

What is *Carex hyalolepis*? Where described. It is new to me. As to the Friesner list I guess there is nothing else of rarities. I note you list *Scirpus Smithii*. I presume you recognize the variety which is more common in Ind. than the species.

No Lord no I do not want to botanize in any foreign land. Ind. is too large for me and I know it so imperfectly now. For me ^{to follow} no false gods, Indiana is the only true god and I must serve him so long as I live.

Will send you some envelopes. Shall I have assist. paste one on each sheet. I got paper cut for 3,000 envelopes. Now assist has time to burn, so if it will be of any service write me to have envelopes pasted on sheet. Since she usually reads my letters (incoming) be a little guarded as to what you say. She does not read out going letters so I can what I darn please. As to Friesner's plants let em go. Since there is a sheet of the species in the State, I can not corner every thing. I feel today as if I was about ready to check out.

Guess I had better look up what *C. pennsylvanica*, *C. heliophila*, *C. varia*, *C. communis*, are and then may be I can help you out. However, to make sure I will take every thing that comes along and you can make hay out of the duplicates.

Must sign off.

Chas C. Deam.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
May 2 1934

Dear Mr. Hermann:- I have your letter of May 28 and I have made the change on the name of the ^Carex you sent me.

Many thanks for the type written list of the Carex from Wabash College. It just came in time since my assistant is out of a job. Now she can stab all the maps. Now as you understand she will stab a W (for Wabash College) on every map and we will keep this up.

I have just counted and I find Bechtel has 57 Carex from Montgomery County. I think this the greatest number of any County. Now when we are out on our trip we will make Bechtel go with us and we will get more of the C. mesochora.

Now as to time to come here. I am surprised to learn that "pay day" interests you. I thought ~~assistant~~ and I were the only ones who looked forward to that day. Our checks are green and we often say: well only so many days now until the green paper is passed" We are expecting ours ~~xxxx~~ today. Yes June 1 will be O.K. Now I do not believe it is necessary for you to bring a car if you do not care to do so but if you can, so much the better and then I will return with you and we can take all of my stuff back at one time. You can not get it all in one ordinary car. If you bring your car and can start early in the morning I suggest that I meet you at Pokagon State Park. This is about 4 mi. south of the Mich. line on State Road 27. You would go to Coldwater Mich on 112 and then south of State Rd. 27. It is 80 mi. from here to Pokagon State Park. Here is good collecting. One of the largest ~~xxxx~~ sphagnum bogs and we could get here by xi P.M. ^{in state but within in it bullog marsh nearby} and look me over and then June 2 we could go to Notre Dame, etc. So if you can without discommoding any one bring your car do so and I will meet you at Pokagon ^{MOVER}

Please give Mrs. Hermann my thanks for arranging the data on the Wabash College specimens and typing it. Since I wish to keep the lists and I am a punched paper fiend. I am sending you some punched paper which I wish you would use for my copy and greatly oblige. Well there are many things I wish to tell you about but since it is only 4 weeks until I hope to see you, I will make this short since I have many things to do outside yet. Even a funeral (our Mayor to attend).

Now as to the postage (return or express) will you just keep account and let me know when you come here and I will pay you in currency. Shall be glad to send you postage or check for each lot. but I thought you might regard these postage accounts as a "savings account" with the customary "chances".

As to Smilax, Bartlett does not get my Idea. I do not want him to help me on my Flora but thought the growing of the plants up there might be of advantage to some research work. So I will drop it. Shall be glad to show what I have in mind when you come down. Too I will leave my Carex unboxed until you come down. We can soon throw them into boxes if sent in auto. No wrapping etc. will be necessary. You may wish to take a peep at some especialy species before we start out.

I am very glad indeed to get your estimate of Bartlett. I did not have rated so high although I knew he is a brilliant man but I did not take into account the diversity of his interests. He errs in trying to cover so many things. He goes at things as if he would live forever and maintain his mental faculties too.

You ask what is wrong with the Wabash list. Nothing. I compliment you on it. By the way, you have a new one for the State of it is a new name to me. I have not looked it up. It is ^{Carex} Carex hyalinopsis.

Guess this is all. I must get out of doors now to prune some more trees
"ith best wishes, I am sincerely yours,

Chas. C. Deam.

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

INDIANAPOLIS

Administrative Officer
V. M. Simmons

Board
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James D. Adams

Bluffton, Ind.
Apr 30 1934

Dear Mr. Hermann:- The Carex here O.K. ^{any} ~~xxxxxxx~~ ^{care} thanks. Enclosed find return postage. Nothing to write. Do you Trillia,- Proc. Bot.Soc. Western Pa. The last number 1925-1930 No.9 has an article in it by John Bright on the Carex of Western Pa. ^{He was helped by Mackenzie} He treats 169 species. Seems to have good keys and gives some notes. In the event you do not ^{who} have and would like to see it, I shall be glad to send it to you and you go over it and see if it has any thing in it for you. ^{can}

Yestridat I drove south to the Ohio River to get seedlings of Liliu canadense. ^{Vegetation backward.} I collected only one carex I took it to be C. communis Bailey. I took two specimens I will always take things in duplicate so you can have one. I do not know if I wrote you or not but Thursday I go to Urbana Ill and return Sat. I plan to work, botanically out and in Ind. Not much to get as yet, especially since I have scoured the area pretty well.

Here are best wishes, I am sincerely yours,

Chas.C.Deam.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Apr. 27 1934

Dear Mr. Hermann:- I have your interesting letter of Apr. 24 and I regret to learn the boxes of Carex arrived in bad condition (dam the post office bunch, et al.) Guess I will bring up the others in my buggy. If you need some more or can use some more, may I will run up some time next week of the week after. I need to collect some in northern Ind. and I can make both in one trip. I could work in the A.M. in Ind. and move on into to Ann Arbor to arrive at eve if agreeable to you and get out next day. While there I would like to see a few things in the Herb. but I can defer it to some other time so I could leave early in the morning and work all day in Ind. Guess that is what I will do. So let me know which end of the Carex you wish. To start with species No. 1 a la Mackenzie in the B. & B. Flora. or if you wish any certain species let me know.

May now you are not going to get me peevd by telling me how to do things. Glad to get the suggestion about mounting some of the Carex upside down. It has its advantages and its disadvantages. I do not regard space of storing of prime importance. I regard efficiency of working about the whole thing. Men are on the surface of the Earth about 40-50 years to work while the whole darn upper surface is more or less available for storing a few Carex. This reminds me (here a tale not a parlor one) when I was a boy a fellow let go with a loud blast of internal gas and he said there is more room in the big world than in my belly. But Dr. Long says so, I take I am wrong and I am willing to compromise with him. I have been for many years using this method with Oaks and Hickories. Let us say you "invert, convert, reverse or pervert" half of the specimens of those that "pile"

OVER

such as C. Willdenovii; C. varia; C. Jamesii, etc. Those that do not pile let em go as they are. I am happy to tell you I have learned a whole lot in the years gone by. You will see I mounted enough mud with some of my eraly plants to get the pH value even now. But you will not find that in my later specimens. They tell me he is wise who learns and he who does not is a damn fool. Here is hoping I am on the left hand of the equation. I have looked up the 441,30 C. abscondita That is correct. My 44129 is C. Willdenovii and I have one so mounted. Evidently some error has crept in Since I have a specimen of C. Willdenovii. I send a label and you write a new one, using the No. 44,129, C. Willdenovii and you keep the sheet for yourself since I will have one.

~ay I am glad to learn you have trained your wife right. She mounts the specimens. Mine will poison them and strap them but that is all.

Now as to C. deflexa and Fassett. I know Fassett well and he is a royal fellow but he may be mistaken on the Carex. ^{here} he is the dope. Admit nothing except you have seen the specimen. I have wondered if Fassett would not go thru their herb and get out all the Umbach stuff and send it to you to name up? Do you know Fassett well enough to ask him for all of the Ind. material. I just got Peattie's address and we might write him but I have no more confidence in Peattie than a last year almanac. or worse. I think we I mean you should see the Wisconsin material. Rather than go up there I had better pay some one to get it out and put back so you can have it at home to look at.

Here call for dinner and I have consulted "boss" wife and I have modified my schedule. ^{here} Here it is. This Sunday to Southern Ind. to get Liliium. Next Thursday to Urbana Ill to consult their herb and see if I can make arrangements to get their ^{Carex} Carex and Juncus. Friday attend the Ill. Acad. Sci. Sat Home. Next week end to Purdue U. to join some darn forestry organization the forestry ^{boys} want me to join, Home Sat. P.M. to meet Supt. and Assist Supt of one of our State Forests. ^{Johnson ed. Key} He will be here over night. Now the next week free. Wednesday May 23 to the dunes to collect and Thursday, Frid & Sat with Ind. Acad. Sci. Then Prof. Hermann & I go south for????? Now you select a

a date for me to bring up the specimens. Would like to make the trip up there May 14-19 or if it suits you best a week end make it May 19-20 if that is early enough. I can go and come any old time I do not have engagements.

Now do not ^{at} us foregt the Carex austrina. I know the place O.K.

By the way, if it is possible you should go thru the "erb. at U. of Mich and ~~get~~ get the Ind. Juncus and carex if Gates got a whole lot. ^May he did get some things worth while. I would like to get every thing listed we can get hold of, if you do not object. Let us show the "world" that Ind. has been worked for Juncus ^{✓ Curro}

In regards to the little envelopes will say my assistant can make them. Will you please send me sample sizes and about the number of each you may need. ^{be} liberal since she will have ample time. I will get some good paper

I just read in your letter about the roots piling up at the bottom and Long's objection to. Think I half ^{ly} way answered that. At least I do not think the offence a capitol one. Long as I understand is a wonder as a botanist. I make no pretensions to be a botanist. I call myself a weed puller.

ay I must sign off. I have not done a tap today and here are still 3 letters to do and now 1.30 P.M. Weather so darn cold or I would be in Arboretum. I have to tie up and prune almost all of it.

Let me know at once about envelopes and oblige. As to the writing on the sheets turn upside down only those ^{that} pile badly and let the others go.

Best wishes, I am sincerely yours,

Chas. C. Deam.

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INDIANAPOLIS

Bluffton, Ind.
Apr. 23 1934

Administrative Officer
V. M. Simmons

Dear Mr. Hermann:- I have your letter and list of determinations. I regret I am not able to tell you the date Mackenzie named my sheets which bear his initials. I hate to even make a guess but it must have been about 1922?? The specimens with labels saying det. by K.K. Mackenzie were named the year or season collected.

Assistant is checking the names of the Carex I already have. So the checked numbers you retain and I will mount the ones you return and file them so you can study them ensemble with the other stuff.

No I have no more dope on Carex pauciflora. Now I am planning to go to the field two days in advance of the Ind. Acad. meet. and do all I can to collect. The trouble in collecting the nw. part of the state one is personally in danger and one should not leave auto. Too bogs in Lake County are now becoming rare and in fact I do not know where to go to find one. C. pauciflora as I know it from herbarium sheets I would expect to find in deep sphagnum and I do not know of such a place in that area. I think Nieuwland said he had it from St. Joseph County. We will investigate this. No I am not kidding about my ignorance of Carex. I have only a vague notion now of the species. As to Gates, if you do not know him will say for your information if you can buy him for what he is worth and sell him for what he things he is worth you will make good money. Hope I am wrong in this because we are good friends but have known him many years, so has wife and daughter who was his student one summer at Summer School. Fact is I have no record that he ever reported any species of any kind for the "south south shore of Lake Mich." Please check this and if he has, please let me know title of publication, etc. OVER

Well I guess this is all. Do not forget the ^Maine (about May 26 and as long as the Lord and your boss will allow you to be away).

I am sincerely yours,

Chas. C. Deam.

Department of Public Works
V. M. Simmons

Wilmington, Ind.
Apr. 23 1884

Government Forest V. M. Simmons
Forest Officer, Clinton Township
V. M. Simmons
Forest Officer
James D. Adams

Dear Mr. Hermann:-- I have your letter and list of determinations. I regret I am not able to tell you the date "accense" named by me as which bear his initials. I hate to even make a guess but it must have been about 1882? The specimens with labels saying det. by K. K. Schenkels were named the year or so soon collected. Assistant in checking the names of the Gatax I already have. The checked numbers you retain and I will mount the ones you return and file them so you can study them alongside with the other study.

Digitized by Hunt Institute for Botanical Documentation

We I have no more time on Gatax specimens. Now I am thinking to go to the field and make an attempt to find some more. I can do collect. The trouble in collecting the new part of the state one is personally in danger and one should not leave safe. The boys in Lake County are now becoming rare and in fact I do not know where to go to find one. G. graciliflora as I know it from herbarium sheets I would expect to find in deep sphagnum and I do not know of such a place in that area. I think Newland said he had it from St. Joseph County. We will investigate this. No I am not kidding and to my ignorance of Gatax. I have only a vague notion now of the species as to Gatax, if you do not know him will say for your information if you can buy him for what he is worth and sell him for what he things he is worth you will make good money. Hope I am wrong in this because we are good friends but have known him many years, so has his wife and daughter who was his student one summer at Summit School. fact is I have no record that he ever reported any species of any kind for the "e" th shore or Lake Mich. Please check this and if he has, please let me know title of publications, etc. OVER

STATE OF INDIANA
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INDIANAPOLIS

Administrative Officer
V. M. Simmoos

Governor Paul V. McNutt
Lieut.-Gov. Clifford Townsend
Virgil M. Simmoos
Paul Fry
James D. Adams

Bluffton, Ind.
Apr. 21 1934

Dear Mr. Hermann:—Just got your letter. Think I will adopt you. I think more of you all the time. I do not know where you were educated but I do not believe you ever learned all you know. Think you was born with a lot of it. You already know what it took me a life time to learn. The envelope you sent is just right. ^{Note the anticlockwise kind that Gray West use} The kind I now use after a lifetime of errors, etc. I should have learned long ago how to make an envelope since I am a druggist but I was too dumb. As to the pasting it on, you are right in putting it on the right side if there is room. It comes in much handier when examining a specimen. ^{That is when opening it will turn up.} Too I always paste the folded down edge up. There is a distinct advantage in this in unfolding, too when one becomes accustomed to open the envelope it is easier, more automatic. Long ago I learned to try to do everything the most efficient way and then conform to it. Even to taking off and putting on shoes, I delegate all movements to the automatic as soon as possible and relieve the mind of the thinking. I always have the things in my pocket the same way. Did you ever see a person go thru his pockets to find something. If I go into my pocket for knife and it is not there I do not start to rummage my person. I take it for granted I have lost it or forgot to put it in my pocket. So down the line. I was trained to "have a place for every thing and always have every thing in its place" "That's me" My wife was brought up differently or maybe is by nature otherwise and it is always getting her grief. Always looking for something but it does not worry me because I know she can not help it. Here is the point. ~~XX~~ This having a place for every thing, etc. is a great asset and I can not see how a taxonomist would get very far if he was not so. OVER

I formerly had a wonderful memory but at present I am going to pieces and I run around like a chicken with its head off. That is senility.

Does use all the envelopes you like. Shall I send you a lot folded?

Too I am very glad to have you paste on the Revision Labels. Any where you see fit to do so. However, I have tried to keep the left hand corner bare for the stamp of accession when my stuff goes to a large herbarium but the stamp can go any where. The Revis. label should be at the bottom of the sheet somewhere so as to facilitate examination of sheet, etc. I see you have "the horse sense" so many lack. Too I attribute ^{the} so many errors ^{of others} to laziness which is the daddy of carelessness, etc. (other alibis)

I am glad the stuff I sent you will help. Please remember to keep my material separate since I am not listing it. Will send you my "axiflora" Monday. I have so much work to do today and should be out right now. This is Saturday and I have the services of a young man who is a whiz and he and I will tie up trees this P.M. I mean straighten them up. Ie bent them over and I am a disciplinarian. When a tree does not grow erect I chastise him by tying him to a bambo pole. That is what I mean by tying up. Then too in this mail I got some trees from a "real man" and I must plant them this P.M. This man is just an obscure retired school teacher about 75 yrs old but he knows his stuff when it comes to grafting and budding. He has about an acre of ground and on it he grows his nut trees, etc. Wish you could meet him. May be we can. All depends upon how many days you can get off. You see in your trip you must figure about 2 days coming and going. Please make the time as long as possible. As to *Carex Richardsonii*. I plan to attend the In. Acad. Science meet and go a day early and get this *Carex* and locate it so you can see it and collect some yourself. We surely will have to beat it. You speak about *Carex austrina*. I think I sent you my only specimen but if my memory serves me I got it circa 7 miles east of Fowler Denton County. If so I can walk to the spot. Send me the number and I can get data from my accession book. Think the date was in June or later. Well you make a list of things you want to see, send in numbers and then the number

of days you can be in the field and I will arrange the itinerary. I have no idea how much work I can stand. When I get up in morning I feel as if I was all in but when I get to the bush I cheer up. I recall when I was in Guatemala and had the fever I thought when I started to the bush I could never get there but when out I forgot my trouble and then when it came to trekking home I thought I must lie down and die. So I am hoping when we get out my adrenals will go on high and I can get by O.K. I always arrange what I call a dry weather schedule and then if it is dry O.K. and if not I make the air sulphurous. On our trip you will get my modus operandi and I warn you to be careful before you adopt any of my habits.

No I am not impatient about my un-named Carex. Just take your time to it. I note your trouble in trying to follow God and mammoth (Wiegand, Mackenzie, House et al.) Give the thing your very best and let it go at that. You are like I am you know you are building your own reputation and monument. I have spent a half day searching over my few books on Allium for data on Allium sativum

I am sending you the few Mackenzie items I have. I thought I had more but you are welcome to the few I have. I have all the dope in them in my serial publications. I note your collection of First Editions. Better turn to botany books. Wish I had bought some good things when I had the money. Now I am too old to buy, poor investment to buy books and never use them or only for a few years, so I have practically quit buying although I keep up my list of serials such as it is. As to you coming on Sunday or Monday will inform you. A day to get my correspondence up and to rest will be fine. I will have to take this matter up with Dr. Just. If he can admit us to the herbarium on Monday O.K. You know the Greene herb. ^{is} ~~are~~ about as precious as the bones of Christ to them. No one gets in there except there is some one to watch and I do not blame them for that. In the event Rev. J.A. Nieuwland keeps tab on us, he is very loquacious but you can work and I can entertain him. Think Monday will be best so that will give me all day Sat. to get home and get some items enroute that I want. Guess this covers your letter.

I am sincerely yours, Chas. C. Deam

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Reg. 4/22

Board
Governor Paul V. McNutt
Lieut.-Gov. Clifford Townsend
Virgil M. Simmons
Paul Fry
James D. Adams

INDIANAPOLIS
Bluffton, Ind.
Apr. 15 1924

Administrative Officer
V. M. Simmons

Dear Mr. Hermann:-The more I get acquainted with you the better I like you. You seem to be a guy after my own heart. Now you wrote me a long letter, too much to remember so I will read and answer. A few items I recall. One is about your position out west. First about Pickett himself. If I am right on him he is a big lazy, egotist. That is what I made of him, although I never met him but a few times. I have enough egotism to think I am a pretty good horse trader and see thru an animal. Pickett and I could not get along at all. I do not know of any research work he ever did. He wrote a few things but this was just common place stuff. Dr Mottier got his Doctor's Degree on cytology and got interested in early life in the propagation of ferns from spores and I think Pickett's paper was on one of these jobs. Let us pass.

Now as to the personell of U. of Mich Dept. Botany. I am surprised you came right out and said your piece. You are correct in all your statements about Ehlers and the herbarium. So why is there not a great opportunity right at home. I admit there must be some second rate funerals or some upheaval. Now the Pres. Ruthven is a worker and a fine fellow he has been here several times when Williamson lived here and I know he is a worker and a real fellow. Ruthven will give an ear but to whom. Do you know Cecil Billington of Detroit. He is a fine fellow and is one to get acquainted with. Now for a way to get a "monkey gland" grafted on the Dept. well that is the problem. When we are out we can discuss that matter. I know of no better place to be than at Ann Arbor right now, although the "opening" is closed it must open soon or later but a little force may make it earlier.

OVER

Hermann-2

Now it seems as if you do not exactly understand my position in this business contract between you and I. Let me again repeat you are the Boss entirely so long as you conform your paper to the style of the book. You get the credit for the writing and I want to help you in every way I can and you must take the kicks if any. As to the names at the tops of the maps, they mean nothing. When the first edition of the B. & B. Flora came out I worked my own Carex and at that time I knew the few I had collected. After Mackenzie began to name my plants I dropped entirely out of the Carex business because I had so many other things to do and I am some "buck" passer. "ell in due time I found out by experience that the Gray Man. was ^a much more reliable than B. & B. Ill. Flora so I switched over ^{to} the Man, and to be uniform I translated the Mackenzie ^{carex} into Gray Man. names. You will find they do not jibe, hence the discrepancies you mention. ^{because I did not any better}

Now just forget the vagaries in names and go ahead and name the specimens that come you as you think and we will ^{make} entirely new maps, using the nomenclature you adopt. Now my suggestion is that you make a list of the species you get from each source (Wabash College) as one title and under each species give county, and collector. That is all the data necessary. You send these sheets in and I will have my assistant make a list in the order you may designate or alphabetical or in the sequence of N. Amer. Flora as far as it goes and from there on according to the B. & B. Ill. Flora. We can send you the original copy or the duplicate, ^{for} send on paper of quality like this, punched or unpunched. You understand that every record must be put on the maps in forms of letters like the grass book. W. for Wabash College. You suggest that you put them on but I believe the way I suggest will be easier for you and at the end you will have a list from each source in the sequence you wish. Of course it will be far easier for my assistant to make it alphabetically. How does that suit you ?

Now as to the un-named Carex I send you O.K. with me the way you suggest. I suggested the other way, so as to save you trouble. Postage will not cut any figure. Now I will take up your letter.

First about my 52,027, Carex uberior(Muhr.) Thanks it was taken June 5
and on our flight to southern Ind. we can go right to the same swamp. I
recall the swamp very well, so we can get all we want ^{provided} the woods have
not been cleared, etc. ^{to collect} May be too early. In my lot of Carex stipata you may
^{find I do not have C. stipata from Brown Co} find some more like them. From my maps you can see about how many sheets I
have of a species. If you think we need to see it, make a note and we can
get it by a detour of about 25 mi. each way.

Now [^] note you express doubts about the differences about certain species.
So I have decided it wise to box up some of these at once and send them up
to you which may assist you in making up your mind about them.

In regards to C. plana there seems to be a difference. Note my No. 44,
228 from Posey County. We can go direct to this woods in our trip, only a
mile off road and a good woods to be in.

By the way, I have several of Mackenzies ^{separates} and you would care
for them and take could care of them I will be glad to donate them to you.
All I want is for my separates to go to some one can and will use them.

and not cast them into the waste basket. Let me know about the separates.
I do not know just ^{how many} what I do have but some at least.

Of the Flava complex I send you the C. cryptolepis [^] Mackenzie so named for
me. [^] e has some named C. irregularis. [^] *alva flava*

I have not seen C. granularis recta differentiated. I send you my only speci![^]

I have no idea how Carex irregularis differs from viridula, crptolepis, etc.

I send you some specimens. I ~~leave C. flava here if you wish it write me.~~

I will have assistant copy what House says in N.Y. State Botanists [^] rept for
1924:27-27.1925

Monday morning

I am sending you boxes of specimens. I thought you might wish to see what
I have in the mooted species, etc. The boxes I send are my own design but
the last lot I got which were supposed to be a duplicate [^] or very much poorer
material. Please note in shipping I put the short ends out. I find this far
better than to put long sides outside. I try in all my work to find out
the most efficiency way and adopt that.

Now I do not have much literature on Carex but if I have any thing you do not have and would care for the loan of it you will be quite welcome to any thing, all I ask is for you to take care of it. Of course you will have all of Torrey's and Torrey Bull. Some of the large publications, I believe of Boot I do not have. When I visited Mackenzie he showed me a lot of stuff I never knew was in existence. I do have some of the older volumes of the Silliman Journals and I know some have some of Newey's papers in. I have Schweinitz Carex, pub. in Annals of N.Y. Vol. 1. This you do find every day. I have practically a complete set of Repts. of New Botanist in which House does some work. Also I have Muhlenberg's Grasses which contain some Carex, I also have Kunth's works. Guess this is all. On Juncus I have Buchenau's Monograph 1890

Now I believe I have cursorily covered all the points you raise. Do not ask my opinion about any ^{them} on Carex or Juncus because they are like nigger babies to me, all look alike. You are the boss and all the hands so go to it. You use me as an assistant and if I can in way help you send out the S.C.S. I enclose a map on which I have listed the number of species of Carex I have from each county. Thought it might help us to decide in some way the itinerary of our trip.

Here are my very best wishes,

I am sincerely yours,

Thas. C. Deam

P.S. I also have Bailey's write up of Carex, an old time article, I do not now recall where it was pub. but I think in Mem. of Torrey Club. Is in drawer in other room and too lazy to get it.

90
When you thru my material I will greatly appreciate it if you will O.K.

correct determinations and those that are wrong or you change the name that you write the name in ink at least a half inch above the present label. When I get my specimens back I have have assist. rewrite most of the labels, putting fresh ones on and especially those that are wrong. Put on new genus covers so that when they go to Ind. U. after I am dead they will have a nice set of material if no one ever looks at them. I will have done my part so God hlep my successor. Deam

P.S. Just got Sat. a card that the meet of Ind. Acad. Sci. will be held May 24-28. Now you can arrange your schedule. I can get home Sat. P.M. May 26 and Sunday morn we could go to Notre Dame and then make our trip to conform to the time you can spend. My time is unlimited. So now it is all up to you. In the event the Sunday earlier will suit you best O.K. but we would have to be back by Wednesday night. Now schedule is up to you

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INDIANAPOLIS

Bluffton, Ind.
Apr. 6 1934

Administrative Officer
V. M. Simmons

Dear Hermann: I have just run across something that makes me want to go to the jumping off place in Ind. ^{It} is in the very extreme sw. corner of the state. I need to collect a blackberry there, just described by Bailey. It seems my specimens are there are so far. so I should make the darn think popular. It grows in a certain post oak flats, often overflows and these flats are known for rarities. Ground right in the river bottoms but too poor to raise your hat on them. Now at the same place and ^I got at the same time *Carex molesta*; *Carex Bushii*; *C. festucaceae*; *C. Leavenworthii* and other common *Carex*. I collected there May 25. So keep this objective in mind. If desirable we will make it if you have the time. We could make it in three days by driving at night a lot. You look like you are keen on the trigger and would be a good driver and not go to sleep so between us we might make a good long trip if you wish to make it. I write this just for you to keep in mind.

I am sincerely yours,

Chas. C. Deam.

STATE OF INDIANA
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INDIANAPOLIS

Administrative Officer
V. M. Simmons

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Bluffton, Ind. Apr. 3 1934

Dear Mr. Hermann:- Many thanks for your letter of March 31. Also the Photo which I am keeping unless you wish it returned. I shall be glad to do so and get a larger one sometime

Well I have been busy the past two days, getting stuff out for my correspondents (Shrubs & tree seedlings) Sent 3 boxes. *today*

Let me know in your letters when packages arrive so I can refund postage, etc.

As to the trip to Ind. I will let you know in due time. I suspect the last of May the best time. If the Acad. meets at Mich. City about the middle of May we had better go after that. When I am attending the Acad. I will try to find the *Carex Richardsonii* and if I do we can right to it and possibly locate other colonies. Mrs. Chas. ^{go} must have collected a lot of it since Wadmond has it, "ash D.C. has it and I have it all from her collections.

Wadmond sent me a specimen of *Asclepias Meadii* which was new to Ind. and he said if I wished to pay to send him some *Juncus* he did not have and he sent me a list and I sent all I had he did not have. *Juncus* outside of Ind. are not necessary to my happiness. Fact is I did not know *Juncus pervertus* was a rare thing.

Yes I have Gray plant 343. The leaves are terete but not nodulose. I'll send it up when the *Juncus* go out. I'll send all I have so you can check up on the lot.

Glad you have the opportunity to publish a new *Juncus*.

Now as to the Ind. trip think you had better plan to arrive here not later than 5,00 P.M. which will give us a chance to browse around and get *and I'll meet you at Farrell & we will get the *Carex lanicina* / 2 mi ready for the trip. You get here and you will not be at expense after that*

We can sleep in fence corners and gnaw bark off the trees. Think the first thing to do the next day will be to go direct to Notre Dame U. and list their Carex and Juncus. Then to collect Carex Richardsonii. Thence southw. as far as you can take time to stay. It will be too early for Juncus and it will be Carex principally. Going south we will get the Carex heliophila. and if we can take time enough we could go to the southern part of the state. It is about 300 mi. from here, yes nearer 400 mi. But if you can help drive we can drive after night, but remember I am a coward and do not like too fast driving after night. Well we will work that out. If you think there are any prairie species we might find we should hug the west border of the state all the time. Now I know Ind. and can tell you where we will find habitats but not species.

Now any day you want the Juncus, drop me a card. My assistant returned today and a half day they will be on the road. I would send them on at once but I thought you might not have room enough for so many things around at a time. I just note I have your initials turned around. may I will get it after a while. Well I hope you will get your position provided you do my jobs or if you do not do them because I always want a fellow to do the best he can. However, I am a little dubious about the far west. Except one has a good salary he is pretty much isolated. I have never seen or met any of the western taxonomists except Hall who is dead. Prof. Aven Nelson attends the A.A.A.S. meets every year on an errand for some kind of an organization and gets his expenses paid. I have not seen Pickett since he went west I know there is a lot of revisions to be made here in the Middle West. Most of the Taxonomists are chasing South American Gods and but little is being done for our plants. Take Bartlett for instance. going to Sumatra and Mexico. I do not know the Hook Up at Michigan but I should think there would soon be a good opening there for a taxonomist. So far as I know Ehlers is your best man but he never writes or investigates so far as I know. You have a long list of botanists on the faculty but no live taxonomist, not saying any thing disrespectful against Ehlers, but we never hear of him in print. Best wishes, I am sincerely yours,

Chas. C. Deam.

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Rec. 3/31/34

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INDIANAPOLIS

Bluffton, Ind.
March 26 1934

Administrative Officer
V. M. Simmons

Dear Mr. Hermann: Got in late last night and found your letter of Mch. 22 and I hasten to answer this A.M. I enclose the dope I wrote Pickett. I am not peddling but Pickett has not the enthusiasm that you have so you are safe in not having much competition. Since Harold St. John left Pullman I have not heard of any taxonomic papers from that source. Now I hope you be able to land the job if you wish to locate there. The matter of location is not of great consequence if you are not fettered with relatives. One can be happy anywhere almost if he is a worker. Your interest in your work should be the major part. Suppose there are no real good golf links, near by, no good fishing, hunting, and society advantages, etc. I hear some of the "high socialites" complain that there is no one to associate with. Never occurs to them that they can read a book and associate with the highest types of people, etc.

Say you sure do go after the slovely botanist. It may be you complain without just cause. Say some collectors on purpose leave enough soil on roots for making repeated soil tests for pH. But for me and my family we will forbear this luxury. I have a glass top top table and I just got the glass replaced at considerable expense because it was badly scratched. Scratching most because of sand dropping out of specimens. Think I wrote you about a package I just received. I call this guy every thing I could think of and I told him he might be like the Jew who was cussed who said: "Otherwise I am O.K. h'aint it?". Well to my surprise I received a very fine letter from him. That fellow is O.K. If any one who can take the licking I gave him, and has sense enough to know he deserved it, he is O.K. Now Hermann you may not know it, I am self educated, especially in botany.

OVER

I have been a druggist and a free lance all my life and I did not have to depend upon any one for my job because at any time I could quit and make much more in the store than at the botany so I have been able all the time to tell em to go to hell. Now I do not make a practice of swearing because it is no mark of distinction or to be emulated but we must many times use some swear words for emphasis. I try to limit myself to them.

It is disgusting to see the stuff that is passing as herbarium material. Why? simply because the making of specimens is not taught in our schools. Now I am not a knocker at all and I think I know what I am talking about.

When I die I do not care what kind of a rock they haul up to make my resting place. I have been erecting a monument for years to outlast the memory of me. Strausbaugh and Core wrote a Flora of West Vir. for some such a title and I filed it away and I can not find it. Why did I so place it, simply because

I could read between the lines that it added nothing to the pile of botanical knowledge. Now if you do not get the Purdue stuff, I suggest you drop them a card and tell them their package had not yet arrived and that you make inquiry for the safety of the package. However, I wrote them that you would not need the package until Nov 25. So lay off for a week yet. Now as to my Juncus I can send them any day. Send me a card. The very first day I have leisure I will pack them and have them ready. I can pack them sufficient for you in an hour or two, so if I get the S.O.S. I can drop my work any time and send them. Now you will find some of my Carex (mounted) of the bum quality. It could all be improved upon but as I call it I now "manicure" my specimens. Especially do I take them to the barn and pound all of the sand out of them. Now I spent last Saturday at Notre Dame and Dr. Just is going thru the E.L. Greene herb. and listing all of the Ind. material. Now he has found a ~~XXXX~~ Carex aestivalis? Dr. Just is just

an amateur in all systematic work and he may be wrong. Now they can not let the Greene material out, so it will be necessary for you to go there and see it. Now I hope you can make the trip to Ind. and we will go there and see the Greene Carex and get our other stuff at the same time. So you plan to make the trip to Ind. if possible. Now the date may have to be changed a few days. I just learned that the spring meet of Ind. Acad. is to be held in the dunes and possibly Friday and Sat. of the two last weeks in the ~~May~~ month. So it may be necessary to ~~xxxxxxx~~ the date of our trip for a few days I can not go the days they have their meet since I am a past Pres. and I feel I owe it to the Acad. to always be present if possible. Too I am needed to help make plant identifications easy. Ordinarily I can name every thing they get except Carex and some grasses. But is sometime off, so we can arrange the dates. I think if you can name material off hand we had better see what Dr. Lyon of South Bend has. I can't the loan of his material. We can drop on there and pick it up or have him to send it on. That we can arrange. I asked Dr. Just at Notre Dame about their Juncus and Carex ~~xxxx~~ material and he said you could have it. Now when you are ready for it let me know and I will ask Just to send it on to you, both Genera or if you prefer one genus at a time. They seem to be O.K. up there but I seem to sense a feeling of hesitation, etc. But they are under too many obligations to me to say no at any thing I ask. That is the way I want to keep my friends if possible. Say wife calls he she is ready to go up town to Post Office so I must close. Now if there is any thing You need that I can supply write me and I will respond P.D.Q.

I am sincerely yours, Chas. C. Deam.

XXXXXXXXXX

Bluffton, Ind.
March 26 1934F.L. Pickett,
Pullman, Wash.*Original corrected*

Dear Professor:- I know you will be surprised to hear from me. It has been sometime since I have seen you. So far as known you have always been at Pullman since you left Ind. I do not now recall what I was doing when you were here. I took a position in 1909 with the Dept. of Forestry and have been with the dept ever since, except 4 years they gave me a leave of absence without my consent. Few have weathered as many political storms as I have but I claim no credit for it but it has been simply a case of no one being enough interested in the job to take it.

A few months I accidentally started a correspondence with J.F. Hermann on the subject of Juncus. He has made a special study of the genus and is planning to study this difficult genus with the ultimate object of monographing it for the Americas. He is also interested in the genus Carex and has done considerable work on it. Well during our correspondence he has agreed to write both genera for my Flora of Indiana

You may not know it but I have been working now steadily for almost four years on a Flora of Indiana and I am hoping to get it done Dec. 1936. Well to get some one to do the difficult genera, Juncus and Carex, has been quite a relief to me. Now yesterday I received a letter from in which he says he has made application with you for position as botanist and has asked me to write you what I know about him. Well now it would seem a letter based so little acquaintance would not be of much value but in my case Hermann is a total stranger to me and I do not know his

n 6

physical size, if he lisps or is red-headed. From the tone of his letters and the enthusiasm he shows I would think he is red headed. Now I have corresponded ~~xxxx~~ long enough with him to believe him an honest and truthful man. He shows and intense interest in his work. As Lillian Whiting in one of her poems "He seems to have "fallen in love with his work". Pickett I will soon be 89 years old and I have been a close student of people and have had the experience of "hiring" a good many men. As you well know we must try to get in our men the characters that will do the work. First of all, one of the basic failures is laziness and probably the next lack of interest in one's work. You know if you can ^{get} a hard worker and one who is intensely interested in his work he will certainly be a success. I also learn that "Hermann is very methodical, another basic character necessary for success. One of the best brilliant men I ever had was a lazy lous and he cost me \$1500.00 dollars. I have been engaged in the drug business for over 40 years and have made a fair degree of success, considering I have not been in either of my stores for 20 years. When I was state forester and asked to resign, the "head of the Dept. told me I had to select my successor. Well I wrote to very source I knew of to get applicants with letters and photos. Then I began a process of elimination. I selected a "poor devil" who had to get up at 3.00 A.M. to help his father butcher so he could peddle meat, etc. The youngster learn how to work and live economically. "Results, well he is now our present State Forester and is certainly going strong and is now recognized as one of the leading men in the U. S. in his profession. I could name you several men in like positions who are equally equipped as to education who are vegetating along. Now I amplify on the character of hard work, interest in work, integrity, systematic endeavor, and economy. I have seen so much of State extravagances that I ^{hate} to see such. It would not go in a private business at all. No matter what this man Hermann lacks he will add it, and since he has the bony structure he will soon fatten up to all your expectations. Here are my best wishes and in the event you

Theodor W. H. H.

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Administrative Officer
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Bluffton, Ind.
March 19 1934

Dear Mr. Hermann: I am sending the one of a kind Carex to you this P.M. I suggest that you write the name at the bottom of the label and that name will be cut off when I write in typewriter the name above the number. If you prefer write in pencil or ink on the list I send. Now I have no idea how many are duplicates. Since I have no use for duplicates I will return all that may happen to be in the lot. There is nothing in the lot I believe that is very exciting except one or two may be of interest. The one from the Pin Hook bog 7 mi. west of ~~Laporte~~ Laporte, I do not recognize but that does not mean any thing since I have paid no attention to Carex for 20 yrs. Forget I believe to tell you if we go out on a trip it will not cost you any thing except for the tobacco and beer you consume. We will eat at the cheapest places I can find so you will notice the change when you return.

Here are my best wishes, and if you can bring ^{that} man Bartlett along kidnap him and do so.

I am sincerely yours,

Chas. C. Deam.

STATE OF INDIANA
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INDIANAPOLIS

Bluffton, Ind.
Mch. 16 1934

Administrative Officer
V. M. Simmons

Dear Mr. Hermann:- I have your two letters. I am glad to know Yuncker was obliging to send their material such as it is. You may have trouble in finding out just what county a plant is from. Remember that W.S. Blatchley sold DePauw many specimens and most were collected in Vigo County. Prof. Underwood taught at DePauw, U. (Putnam County) Also Prof. D.T. Macdougall taught there. he was the worst blunderer ever. His specimens bum and determinations worse. Blatchley was far above the mine run of his time. Now I do not know just how you plan to keep your records. I suggest the following except you have a better one That you commit the names and counties and authors to writing and send them to me and then I will have my assistant re-arrange the names in some sort of a sequence and send you a copy. She always checks every thing of that kind so I doubt if she will err. Then when it comes to stabbing the maps for the final map we will have all of the data here. Of course in giving name of county and collector these can be much abbreviated.

Now I would not attempt to name any plant except it be Carex or Juncus. If you at once recognize the genus, say Scirpus sp., etc. and let it go at that. You are no obligations whatever to name up such a Dukes mixture.

I enclose two letters I received which please return. They give you an attitude you can not get otherwise. Yuncker has had specimens borrowed from all over the World. Enders, a zoologist, knows nothing about the loan of plants. I wrote him I have specimens loaned all the time, one lot to the Mo. Gardens now for about 10 years. Well it is a matter of ignorance and pedantry on the part of Enders. Please do not peddle my free expressions of the estimate of my fellow Hoosiers. Yuncker is a real fellow. I sent him the prepaid express, he told me what it was. You know promptness is a great factor in this job. I note what you say about Luzula. Our forms have baffled me and as consequence I have lumped them

Now you let me know when you want my Juncus and Carex. May be Juncus first and then Carex.

About the "ernald" compliment. I take that with a "grain of salt". I think "ernald" used the adjective so as to make it heavier clum with which to swat Hitchcock and Chase. You know much of this stuff depends much upon whose eyes you are looking out of. For example I have just finished writing Comandra. Fernald named mine a few years ago, calling all the Ind. material Comandra. Richardsiana and writing me that C. umbellata is restricted to the east of the Alleghenies, etc. Now for ~~my~~ life of me I can see no difference except as he says our Ind. material is never glaucous beneath and the other characters he gives fall down. I would not give our Ind. form more than a ~~form~~ rank. Now when it comes to Panicum that is different. I worked the Panicum in the Grasses of Ind. I say I worked it and only a very few places did I copy and when I did I gave credit. I have not yet read "ernald's" Panicum article in Rhodora, read about a half of it. I have implicit confidence in the measurement of the spikelets of Panicum. Most certainly one must not take undeveloped ones and compare with others. The measurements are close to be sure but you are dealing with small size objects. When these measurements are stated in percentage, then they are different. I recall very vividly when I was working Eragrostis (By the way if your copy of Grasses of Ind. does not have a revised key to Eragrostis, let me know and I will send you one. (OVER)

I worked over a week on the separation of *E. pilosa* and *E. pectinacea*. I

carefully tabulated every character possible. Likewise with *Panicum villosissimum* and *P. pseudopubescens*. I think these are two species. May be not but the spikelets are longer than the first and the peculiar thing is that the spikelets are all uniform in length in *P. villosissimum* but just as soon as you find the sheaths with the secondary pubescence which *P. villosissimum* ^{does not have} then you get a longer spikelet. *P. vil.* has one 2. mm. long and the other 2.1-2.4 mm. long. Now reduce this percentage and you have 5-20% longer. The same with *Panicum Deamii*. Now this brings me to another thing. You mention you would like to get out and see *Carex heliophila* and *C. Richardsonia*. Now I would like very much for you to come down here for a short visit. I know it is hard to get away the last of May. I do not know what kind of a car you drive or how fast you drive. It is about 170 mi. from here to Ann Arbor if I recall correctly. You might get off long enough to come down here some P.M. and leave your car here and then the next day we could go out, or take two days off. The trip from here would be from here to Lafayette, 124 mi. Then 5 mi. sw. of Lafayette, thence north of Pine, Lake Mich. and stop enroute if you wish and get some *Panicum Deamii* if we can find it. about 1 1/2 mi. off road, then home that night. Next day you could get home by noon. Now this is going some. We should have two days in the field. I have figured it if we go one day we would get up and off by 5,00 A.M. Please let it be known I am a sl^o driver and if you go out primarily to eat and have a good time we do not drive together. If we get up at 5,00 A.M. we have day light until 7,00 or 14 hours. The entire trip will be about 400 miles. We should have about 3 hours day light to work. That means an average speed of 40 miles I am so darn big coward, but our new Chevrolet can be driven 50-60 miles O.K. If you are a good careful driver I will let you have the wheel. But we should have two days out. I will get two cots and we can sleep in the open on cots and save hotel bills. As to ^{east} we can take enough along the first day so we will not have to stop for that inconvenience. If we take two days we can get something that way. More than to just get 2-3 things we are after. Well I am getting at it if you come down and will not need the *Carex* until that time, I will not send them. If you can not wait, guess I will drive up with them.

As to the early return of my *Carex* and *Juncus*, forget that. Take your time with them. It is the other guys that are nervous, not I.

Now if you can get off for more than a day or two we can go any where you say for *Carex*. If we had another day or two we could go to the Lower Wabash Bottoms,

Well my assistant is ready to go home and I must close so she can mail this.

I am sincerely yours,

Chas. C. Deam.

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

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Governor Paul V. McNutt
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INDIANAPOLIS

Bluffton, Ind.
Mch. 12 1934

Administrative Officer
V. M. Simmons

Dear Prof. Hermann:- I have already heard from Prof. A.R. Eichel of Wabash College and he says he will send the Juncus and Carex on in a few days although I told him to send to arrive Mch 20. Now I told our correspondents that we would pay the transportation. Now no matter how the specimens come, ^{mail or express} will you report to me on postal card, telling me from whom plants come and expense and I will immediately reimburse them. A little trouble but it will enable sender to keep his accounts O.K. Please do not forget this and oblige. So it appears that you will ^{have} no respite from work and here is hope you will find it an enjoyable one and when published you will make the people sit up and take notice. Juts got Rodora and I find Fernald has again stirred up the animals. I have read only a part of his article and I presume he is correct at least in the major part. However, it has been my experience in several things that no distinction can be seen but ^{where} after a long study there is a distinction and a very obvious one. I recall my experience in separating Panicum villosissimum and P. pseudopubescens which I see Fernald has reduced to a variety. At first I could find no character to separate them. Hitchcock and Chase had failed to find the only one that will do it. Well I found it after a long time but it was lying right on the surface but I failed to see it. I am right now ready to take up one of these same hair splitters. Comandra Richard/siana and C. umbellata.

I am sincerely yours

Chas. C. Deam.

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INDIANAPOLIS

Bluffton, Ind.
March. 4 1934

Administrative Officer
V. M. Simmons

Dear Mr. Hermann:—Your letter of Feb. 27 here. No you can write long hand I can go it O.K. Of course one should learn to use a type writer but learn to do a better job of it than I do. I use the original "Hunt & Peck" system. As to the Cerastium will say it is found near Notre Dame and Dr. Just has promised to look after it. He has three of the type specimens of the E.L. Greene collection and he says one of them matches my specimen so I am going to consign that job to him. Say man I have a reputation for being a 100% buck passer. No I have not seen Pennell's Cerastium var. villosissimum Pennell is a very good friend of mine and I will be ~~xxx~~ writing him tomorrow and if he has a specimen may be he will send it to me. You know he wrote this up in Bartonina but I could not make much out of it.

It makes me happy to know you are willing to make the write up of Juncus and Carex as complete as possible and be assured I will back you 100% in every thing. I will collect both Carex and Juncus in duplicate and all I can get if I get out and off concrete roads. Forgotten if I told you or not we got a new car and the darn old sled has only a clearance of 8 inches, so I will be afraid to tackle side roads, except they are gravel or stone. Oh well I know the state and there are places I can get to O.K.. Now I plan to make it special point of business to get that Carex Richarsonia. I have a specimen collected by Mrs. Chase at Pine, Ind. Pine, Ind. is no place and never was. It was a station stop on the B. & O. Ry(?) and is now or was a few years ago the west side of Gary. Clarke Street runs into it. Pine is right on the Lake Mich. Never was any thing there more than a station stop, and switch yard and that is all there is there now. Now you may run across collectors and locations you may not know. Spend no time

over

but turn them over to me. I have a list of all the antedated places and many collectors. The area about Lake Mich. has many defunct names but I have thru Mrs. Chase and others run them all down and I have a list of them. Our older collectors have dead names they used but I can handle them all.

I will write letters to our Ind. herbaria at once except Notre Dame and I will be there Mich. 24 and I will take the matter up with them at that time. I know there will be no trouble because in the past they have offered to send me books or material, except Dr. Greene's which they are not privileged to loan. I will direct that they be sent to the Garden. I note you smoke. I do not but what you do does not worry me. If you come here you can smoke all you darn please. I think smoking is a darn bad habit, drinking the same, and coffee only a little milder. I do not even drink coffee, I just guzzle it. It takes about 2 thermos bottles daily to keep me going. I did quit but doctors told me to go to it because I have low blood pressure and he said coffee or strychnine, so coffee it is

Now my Carex will take a whole case (5 x 7) ^{It case}, I am taking it that you will give the specimens good care. I once sent some specimens to a leading herbarium and the specimens must have lain on a table for a year and when returned were a mass of dust and coal smoke.

You let me know when you wish the material from outside of Ind. and I will see if we can get it. Know Standley very well and also Dr. Davis and ~~xxx~~ Fassett of Wis. Dr. Hottes of Ill. I guess is curator over there and I know him and Dr. Trelease is a special friend of mine. I collected agaves for him in Cent. America. In getting ^{loan} lonas I will see if we can not keep them and I think there will be no trouble about it. Now about what you find in these herbaria. I want to lessen your work as much as possible. I have an assistant and she has some spare time. I never let her loaf but I can leave off some of the things I ask her to do. So in working over these herbaria if you will just list the species, Counties, and collectors, I will have here to place the species in alphabetical order and the counties in alphabetical order and we can stab the maps here and return you a typewritten copy.

Carex heliophila Mack was described in Torreya 13:15-16.1913.

page-3 Now any way to suit you but you understand in the finish ~~wexxamp~~
stab the maps like in the grass book. The different herbaria are listed by
letters and we use the letters in a sequence. Of course too you are not
accustomed to the location of the counties on the map like we are. I know
my Ind. map like going to bed. I not only know its place in the state but I
have criss-crossed them many times. If you send in a list it can be returned
you the next day except the ~~xxxx~~ Deam list which will be longer.

I wonder what is the matter with ^Ma kenzie that he does not finish the
Carex. I understand his eyes are bad but he certainly has the ^Mss. already.
I visited his home about 10 years ago and he showed be large sized drawings
he was having made of every species. I had hoped he would get out a real
monograph. The drawings were costing him \$25.00 each.

I am glad the bibliography of Carex will be of some use to you. It is
pretty crumby. I sent you my old set and assistant made me a new one. That
is what comes of such a request. If you had not called for it, I would never
had a new set. Just so with the maps. By the way these maps are a great help
and a darn nuisance. One must be guided by justice. One worker should not
ignore another one's work. But it has now come to the place, every one's
citation of a specimen ~~but~~ must be backed with a specimen. We have had some
good careful workers and some nature fakirs. One was Peattie, another
then Douglas and Guy Wilson. They were anxious to get in the lime light and
I sure give em a plenty. Just as much as my conscience will allow. Oh yes
F.M. Andrews is another. They thought they could publish and get away with
it. Well the road has abruptly turned and we now demand specimens. In any of
the maps if there is any question that comes up let me know. Since we do
not take them into consideration, they will be of little use to you in the
Juncus or Carex because I have covered the state so completely. Now I stabbed
in red my specimens ^{of Carex} until recently so the maps show you the specimens I
have of each species. I think you mention C. heliophila. Yes I have it
from Jasper and Tippecano counties. Very rare in the last named county. If
I get there in Carex time I will try to get you a specimen. I know the place
Carex nebraskensis is evidently No. Good. This man Jackson thought he would be
smart and report rusts on plants he did not know and now let him suffer. OVER

I say Darn em. I am no Jesus Christ and pay their debts, so they must come across and take their beatin. Now I think in your excluded list you should dispose of all those reported in a fashion commensurate with the crime ~~XXXXXXXXXX~~ Jackson's error should be a capital offence. He was a college Prof. and he knew and if he did not know he should have said so. Now in such cases I come out and say "wrong determination, plant not in our area". I would not let *C. nebraskensis* bother a minute. Of course we may yet turn up any western species. I work our perimeter counties all I can and I hope to spend some time this summer in our prairie area but my trouble is I do not know the species and unless they "look queer" I pass em up. This *C. heliophila* looked queer to me and I took all I could get. It looks very much like *C. pennsylvanica* but is not tufted like it. ^{Yes} Fernald cites *A. nes Chase C. Richardsonia*. He also cites two for Mich. Washington, June 4 1854 Dr. D. Cooley; and south of Brighton, June 25, 1898, C. F. Wheeler, "only specimen seen". He adds. Beal cites 4 stations for Mich with the comment "scarce" but Farwell in Amer. Mid Nat. 11:49 adds one more station. One station

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for Ohio. Thanks for the data on *C. subimpressa*. I now have it from 4 counties. Think I can get you some this year. I have it from Wells County and it was formerly probably frequent, growing with *C. impressa*. The station has disappeared but I think it was also along a nearby railroad. I will investigate. I found it in 1908. I have made a memo to collect it again.

Again about published records. I totally ignore them, except when I know I am a species may have a wider range than my maps indicate, then I may report from so and so. Rarely do published records extend the range in Ind over my own records and then I add the published record range for the benefit of the reader.

You name the critical taxonomist, and I guess you are about right. The list might be extended but too darn few go off half cocked but I am glad to know their number is decreasing. One of the big shots is J. K. Small. He ~~infuriates~~ infuriates me. He is far behind the times, it seems as if he keeps no bibliography or knows what is going on in the world, guess he and Alexander too busy with Iris.

No *Juncus dobilis* or *J. dichotomus* in Ind. so far as I know. So why worry.

The *Juncus nodatus* is my own determination and it was O.K. by Weatherby

I will bear all expenses of transportation and if any thing comes to you to pay keep account and send it to me. I will care for it. Best wishes, *Chas. C. Deane*

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INDIANAPOLIS

Bluffton, Ind.
Feb. 25 1934

Administrative Officer
V. M. Simmons

Dear Prof. Hermann:- The parcel of plants here O.K. and very acceptable. I believe you sent me 3 species new to my collection from N.J. It is rarely that I get a new one. I have the following comments:

Your ¹*Strophosia virginiana* is the var. *holosericeus* which is a good form in Ind. You know botanists of today would call it only a forma but the glabrous and pubescent forms seem to be distinct in Ind. You can not find a glabrous plant with any pubescence and the two forms do not seem to overlap. ^{on upper surface of leaflets}

Your ^C*Cerastium arvense* var. *villosum* from N.J is interesting to me since ~~it~~ I have a *Cerastium arvense* form I collected in Ind. that is new. I sent good complete fruiting and flowering specimens to Gray Herb. and Weatherby and ^Ernald say it is new but refuse to describe it as a form, etc. My plant has very narrow leaves and is ^{whole plant} eglandular. It is stoloniferous and has branches probably 3-6 feet long. I have made a memo to send you a specimen the next time I send you any thing.

Well I have been studying about this ^Carex and *Juncus* business. I take it that you are as ~~anxious~~ anxious as I am to make the papers as complete as possible. I mentioned to you the loan of specimens from other herbaria. I do not wish to burden you but I think I can get the loan of those from Wabash College; PePaw U. Notre ^Dame (I will be up there March 24 when I will learn what they will do); Purdue U.; and I believe I can get those from U. of Wisconsin where the Umbach collection is; U. of Illinois where the E.J. Hill collection is; and probably the Field ^Museum. Of course the Field Museum; U. of Wisc. (Umbach) and the U. of Ill will duplicate each other since most of the specimens in each will be from the Dune Area. Now here are some questions I wish to ask: When you want the loan of specimens. ^AAre you fixed to take care of

them O.K without distressing you. Too do you wish only the Juncus from Ind.
or all they may have. ^{from other sources} Of the Carex, the same question, if only Ind.
or all. Too what shall I tell them as to the marking them. Of course the
Field Museum specimens are stamped but I doubt if the others are accessioned
like those of the Field Museum. Shall I ask them to mark them or will you
be able to take care of that. Or shall I have them sent to me and then
forward you. Right here takes up a technicality. I can not borrow specimens
from most places because the "Higher Up " institutions will not loan
individuals as obscure as I am and probably as irresponsible but will send
them out only to "Institutions". Shall I tell them how long you will wish
the loan or just let that be blank. So far as the Ind. herbaria are concerned
the longer you keep them the better so long as well cared for because they
are not used in Ind.

Now here is another problem. A few years ago I never dreamed I would have
some one else write the genus Carex so I collected quite a number without
a duplicate. Now I have no idea how many but as I now recall I have two
bundles and I may have between 60-100 sheets. (Unmounted) Now I am not
competent to name them without considerable study and then probably not
correctly. Now I do not want to "ride" you but here is my suggestion since
I want every station to appear on the maps that I can possibly get. That
I send on to you as soon as you can use them my unmounted material and let you
name it and return it to me and I will select those nos. of which I have
no record and return you those that may be duplicates. You may not care for
them but possibly you can use them in your exchange, etc. By so doing then
when you receive my Carex, all of the Ind. material will be named and
mounted which will greatly facilitate the handling of the lot. If you can use
the unmounted material let me know and I will write the labels soon and if
not soon I can do it the week of March 18-24- the week my assistant will be
absent.

Now I have a list of plants I have collected from every county and of
course it has the list of Carex I have. I am planning to collect again this
summer and may I ask if it will be O.K. to collect more Carex in duplicate?
Surely they not be duplicate species I already have OVER

The trouble is that in many instances the number will be a duplicate of what I already have because I do not recognize the species. I can make a close guess only in most cases. I have it on my list to try for the species in Ind. I have no specimen of *Carex Richardsonia* (I believe that is the one) and *Carex pauciflora*. I believe Nieuwland reported it. (last one) I am hoping to make a trip thru southern Ind. during *Carex* time and if so I can get a few. When I get all of my *Carex* named I am going to send you a map showing the number of *Carex* I have from every county I now have at least one *Carex* from every county and in some instances possibly 50.

Now my assistant is working on making a copy of my maps and I will send them on as soon as she completes them, by express. I have been stabbing my stations on the map in red and I have kept that up until recently so when you get the map my plants will be represented. in red,

Now I have forgotten if I told you or not as to how I have my *Carex* filed. I file them in a sequence of the species as found in B. & B. Illus. Flora ed. 2. On the genus cover I use the numbers of the species as they appear there and where the number of specimens justify I use both number and specific name. This keeps them in a sequence of ~~xxxxxxx~~ of sub.genera, etc.

Think this is all of my lamentations for today. With best wishes, I am sincerely yours,

Chas. C. Deam.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Feb. 10 1934

Dear Prof. Hermann:- Your letter of Feb. 3 was duly received but I was absorbed in *Desmodium* and I wanted to fight out before I did a thing else. I got out ^{today} today, whipped but I hope to have a come back this fall if I can get more material. I need to know what *Desmodium Dillanii* is. B. & Illus. Flora do not illustrate it or describe it. What they do figure and describe is some form of *D. paniculatum*. This I am sure of. Well *Desmodium* is far from your interests. My job makes me interested in every genus I come across, that is temporarily.

You need not send me any plants for the few I sent you but if you have some on hands that want to take up their residence you may send me some of the numbers on the enclosed sheet.

Now as to the B. D. degree. I would say by all means get it but I would not advise post haste acquirement. One in the professional work will need it. Inferiors always scorn a non degree man and you will get into my class, -amateurs. It is amusing to me sometime to hear of some of the "professional botanists" talk about the "amateurs", I refer to people who make specimens and name them. ^{lets my self} Swallow your pride and take the Ph. D. just as if you liked it.

I think we have an understanding of the *Juncus* business O.K. I can drive up sometime this summer but I would rather if you can kidnap that man Bartlett and Dow Jaxter and come down, if for only one day trip, do so. We can a whole lot of talking in a few hours. Now if you do not I will go up and may do so any how, but I would like for you and Bartlett to come down and see my little plot of stuff. My *Desmodium Waterloo* makes me plan to plant all *Desmodium* here for study (I mean all Ind. species. (OVER)

Now there is no hurry about the completion of *Juncus* or *Carex*. I am now planning to get the final ^Mss. to printer say Aug, 1936 so book can be delivered before ^Dec.31 1936. The reason is that is the date of a change of administration. I take it that the present administration is favorable to me and will publish while the next one might not be and my ^Mss. might ^{lie} and I am too old to take a chance. I think my *Carex* material is in pretty good shape since most of it has been determined by ^Mackenzie, that is he named a duplicate and in most cases I think my plant is the same as he named. Now as to *Carex laricina* I have it from a few stations and I will make a note to try to get it for you. I have just looked to see where I have found it and about every place I found it has been drained. If you do not have a ^{spe} specimen I will give you one of my mounted ones. I have two from this county. The bog where I took it is drained dry. I know one bog where I got it and [^] will try for it there. May be I can find it. Will put it on find list.

I see you say you never saw *C. laricina*. Will do my ^{best} darrest to get it or if you come here I can tell you where to look for it. You will go within a half mile of the swamp where it used to grow. This is a *Chamaedaphne decedent tamara* ^{ek} bog

es I know Mr. Kriebel. [^] He is a fine young man (30-35?) [^] He knows how to make specimens. Just started to make specimens ^{last} this year. [^] He gets specimens and data. [^] He does excellently well for a real beginner. Think he was a teacher at one time. For the past year or more he has not been employed, at least regularly. I know nothing of his history. [^] He got in touch with me somehow. How in the world did he ever hear of you?

Say Ohio [^] has not been abolished. I have had four State Maps made. About every one has been a failure until the last one which I scrutinize carefully. ^{I enclose a copy}

The bibliography will go to you early next week.

Wife is hollering for me to go to bed, so I will sign off. Thanking you for the profer of your spare room sometime this summer. I am sincerely yours,

Chas. C. Deam

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

INDIANAPOLIS

Administrative Officer
V. M. Simmons

Board

Governor Paul V. McNutt
Lieut.-Gov. Clifford Townsend
Virgil M. Simmons
Paul Fry
James D. Adams

Bluffton, Ind.
Feb. 10 1934

Dear Prof. Hermann: I have your letter dated Feb. 7 and I hasten to reply so you can send me both ¹ set of plants in one sending. I have collected only 339 plants in ¹ Lawrence County out of a possibility of about 900. If one would get 900 he would do well but the habitat is well varied in that county. I check the plants I do not have and will appreciate them. I doubt if I ever get around over the state much more. I must make quite a number of trips this summer to check up on a lot of things ¹ I need data on.

I enclose the labels I neglected to send this ^{A.M.} The only *Juncus Greenei* I collected this year must be the one you have. ^{I have duplicate} I note your comments on *Carex heterosperma* but I have forgotten all I ever knew. I have looked up my *Carex laricina* and I find ¹ I took plants from Kosciusko County, type locality so ¹ I will make the effort to get them there. I have not been in this swamp or bog for several years and it has a new owner and they tried to drain it, etc Will do my best to get some for you from type locality

Do not expect the *Carex* bibliography too soon. You see I will give you the hot end of the poker. I will ^{have} assistant to make me out a new set of cards and give you the old set. Likewise with my distribution maps. So you can keep both when you get them. The *Juncus* may get to you next week. Now when you want the *Juncus* and ^a *Carex speciosus* just say so and they will be up there P.D/Q.

Best wishes, I am sincerely yours,

Chas. C. Deam.

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~~INDIANAPOLIS~~

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Jan. 28 1934

Dear Prof. Hermann:--Saturday I gave my assistant a letter to send you just before she went home. I did not read it and neither did she but I hope you were able to make it out. I find I omitted answering a few items.

Yesterday I sent out my duplicates. Among them I found 16 Juncus and 15 Carex which I am sending you. None rare but mine run, as most of our material is. My Juncus Dudleyi from White County does not seem to be just orthodox. As I told you I have not studied the Juncus and I am not yet quite able to tell just what Juncus interior is. In the event you change the determination on any number will you please be kind enough to send me on postal card the change, using No. is all that is necessary.

Now as to Juncus monistichus, near Anderson, I will take care of that this summer. You need not trouble Friesner any more about it. I will make a special trip down there 2-3 times to get it if it is gettable. I have made a memo on it as I have on many others thing I need from the state.

Now as to Carex which I forgot to mention. If you wish to write Carex for Ind. on the lines I wrote you about in Juncus you have another job. I have about 2300 sheets of Carex from Ind. and about 3200 from eastern U.S. All or most all of my Ind. Carex were named by Mackenzie. I think on the whole they are good specimens, I mean not a lot of immature plants and scrappy stuff, etc. My great failing I guess is to mount too much on a sheet but I feel if a small amount is good more will be better. (OVER)

Now I have decided on a definite time for my ^{ms.} to be completed. That is about Aug. 1936 or sometime before. It will take me sometime to stab the maps and I wanted the book to be off press in Dec. 1936, that is if I can possibly do so.. I still have a few bad genera to write. One that is a nightmare is Potamogeton.

Well if you have any kicks on my specimens let me know. Do not be afraid to say your piece to me. You will have observed ere this I am frank and call a spade a spade. I find that is the way to avoid mis-understandings.

Here are best wishes, I am sincerely yours,

Chas. C. Deam.

P. S. In the event you undertake either of the genera, *Juncus*, or *Carex* I will have my assistant to make a duplicate of my dist. maps of the species. On my maps which are letter size, I list on the back of each map each report so that when you take up a map you have all that was written on the species in Ind. at hand. You will have erroneous reports and all. Of course in the ^{ms.} we must dispose of the wrong reports. Well I will go into detail about this before the write up takes up. The first step will be the correct determination of specimens.

Deam.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
January 26, 1934

F. J. Hermann
Botanical Garden
Univ. of Michigan
Ann Arbor, Michigan

Dear Mr. Hermann,

Your letter relative to Juncus and Carex was duly received. I note your preliminary preparation on the genus Juncus and I am sure you are better prepared to write it than I am. I do not believe Dr. Just would be offended if I give you the task of riting up the genus for the Flora of Indiana.

There is no hurry about presenting completed manuscript as I do not believe the manuscript for the Flora will go to press for 2 to 3 years yet. However I have no objection to getting as much of the manuscript together as I can and as soon as possible.

In doing this work I would want a full understanding with you so there will be no misunderstanding. First, your paper would have to conform to the other parts of the Flora. The Flora is in form exactly like that of the Eames and Wiegand's Flora of the Cayuga Basin. If you do not have this work at hand, it is, briefly---good, long keys to all the species and there are no botanical descriptions under the individual species. Under each individual species I plan to give the Indiana distribution, general distribution, and any ecological notes that I think are worth while.

I will give you credit in the introduction and also where Juncus appears in the Flora, star the genus name, and in a footnote say that this genus has been contributed by you. Then you could write the key and give me the general distribution or I could write the local distribution probably better than you could, although I think the data on the labels would be sufficient for you to write the entire paper. Too, I would feel free to make suggestions for you to incorporate in the paper. Of course, you understand the suggestions would not conflict in any way with anything you would wish to do.

To be more specific, some keys are entirely to scientific. In my keys I am trying to use as diagnostic characters those that can be seen with the hand lens and which in all cases, if possible, will be at hand even if one has only a scrappy specimen.

Again, to be more specific, you often find keys with these two leads,--annual-- perennial. The amateur, even if he has a complete specimen ordinarily will be stuck. The same thing happens if the divisions are based simply on flowers or fruit. I think it is perfectly legitimate to use leaves or stem as a single lead, but I think it better to use additional characters which will help and at least be confirmatory.

As you well know, in the Junci, it is practically impossible to get through the genus without a lens of about 20 magnification. I go into this detail simply to vindicate myself in stressing the need of having the key amplified where there is no botanical description given. As I understand it, you would make no charge against me or the state for the task of doing this work.

I will furnish you the specimens and transportation will be paid both ways. Too, I think it would be wise for either you or me to borrow all the Junci in the herbaria in Indiana. Of course, this is a mere detail we can work out later but I shall not expect you to go to any expense whatever.

In doing this work, if you will write the names on my sheets, we ourselves, will stab the counties in which they occur. I will also furnish you maps on which are stabbed all records that are made in Indiana. Also I have a short bibliography of the species of the genus that occur in Indiana. I could copy this and send it to you also.

Now I think I have covered about all the points that may come up in such a work and so far as I know the things I have said are about the orthodox stipulations in such a publication. Too, I will try to have separates of your article printed for you, without pagination, say up to the number of 100, but I would not like to obligate myself to do this, because in the case of the Shrub book, I asked the printer for separates of one article and the charge would be the same as for a whole book.

If you wish to accept the job let me know when you wish the specimens and I will send them right on. This summer I hope to be in the field some and I will make all the additions I possibly can and I will always collect duplicates for you. I plan to revisit the Juncus nodatus locality again.

I would drive up and see you some day about this but I do not know if I told you that I was 68 years old or not, so it stresses me pretty much to drive up there and back in 1 day, although I may come up some time this summer and make a 2-day trip of it, that is when your garden is in the flowering stage.

If you have any means of getting down here, I would give you \$5 for transportation and will entertain you while here. I feel certain that in June that you could seduce Bartlett and Dow Baxter to come along or bring you, for they have promised

me for a long time that they would come and if they don't come pretty soon I will not think they are fulfilling their promise.

Since there is no hurry about this job, there is plenty of time for correspondence. After a decision has been made in the matter I will send you the specimens any time you want them.

Now I hope the proposition I make is plain and agreeable to you.

I am

Chas C Deam

Sincerely yours,

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Board

Governor Paul V. McNutt
Lieut.-Gov. Clifford Townsend
Virgil M. Simmons
Paul Fry
James D. Adams

INDIANAPOLIS

Bluffton, Ind.
Jan. 20 1934

Administrative Officer
V. M. Simmons

Dear Mr. Hermann:- I have your letter and I regret to say I am not acquainted with you but I treat you like nigger babies. They all look alive and to me all botanists are O.K.

As to duplicates of Juncus will say I have only a few specimens. These I can send you soon but they are of the common mine run since I have made no effort along that line and too most are from N. Ind. I had one I took this year I determined to be Juncus nodatus Cov. which I found in a deep swamp in Knox County. It was late in the season and I made only 3 specimens, one I gave to Gray Herb. I make mention of this because so far as I know this is the first record for Ind and for the area of the Miss. Valley

this far north. I plan to get more this year if I can. Please let me explain I am 68 yrs old, and I am working on a Flora of Ind. and it will take me 2-3 years yet to complete and my health is none too good so I must bend every effort to complete this before Father Time calls me. The locality of this Juncus is 300 mi from here which makes it a long and expensive drive for me but I plan to make it if I can spare the money. (Please note I make a lot of errors in writing. I have a quasi-stenographer but I can not depend upon her to take so many scientific names. Then I have so many requests for help which I am always glad to receive if I can be of assistance. This consumes a lot of my time. Yesterday I received a letter from a certain Forest Exp. Sta. with a lot of graphs for correction, additions, etc. and it will take me a day to correct because the whole paper is so immature that it will have to be done over, etc. This morning I receive a large box of plants for determination from southern Ind. If there any Juncus in it, I will extract

for you.

Now here is my *Juncus* situation. Prof. Theodor Just of Notre Dame U. has asked to see my mounted specimens and I promised to send them to him. He also asked to see my *Chenopods*, *Alismacaeae*. He is planning on writing up the *Genera* for Ind. he already has *Cyperus* and *Scirpus* under way. Now no doubt he can wait awhile for mine, so if you would like to see my mounted material I could send it right on provided you could look it over at once and make notes of certain numbers that may need further study which I could send you at a later date if you care for them. I shall write Just at once and explain. If he knows you are monographing the *Genus* he may lay off and take up something else or go ahead. I had planned that he would make a study of the Ind. *Juncus* and publish on it which would simplify my work on the genus when I come to it. I am not a bit selfish in this matter, all I want is a flora of Indiana which is authentic and I care not who helps in the work. May I ask where you plan to publish or have you not reached that point. Too when may I expect the publication. What I ask for is that I hope it will be before I publish because I want all the help I can get. There are so many genera that need revising so that when one begins to write a Flora as I am attempting to do, one soon learns that our *Manuals* are entirely out "of date" and one must do a lot of original investigation. Also I am planning to revisit the type station of *Juncus monisticus* this summer and see if I can see what it is. I visited the Gray *Herb.* at the Boston *Meet* a few weeks ago and I saw the type and one other specimen. I am not quite satisfied with this species. It may be O.K. but it may be a form due to some factor not apparent on a sheet specimen. It may be O.K. but if so, it seems to me that we would find more specimens. However, the *Miss. Valley* is terra incognita botanically speaking. We have practically nothing from West. Ky. and western *Tenn.* Nothing from southern Ill. I mean too little to count for much I have worked sw. Ind. and if you have followed my reports you will find I have possibly 20 or more species not found in *Miss. Valley* until you reach sw. Ill. or Mo.

I shall be glad to exchange with you (OVER

for Juncus or any other species of the Gray Man. range for Juncus. I have got
some mine run Carex for exchange now but they are old, 3-5 yrs. This year

I plan to collect more Carex, for a friend who is interested. *scare you*
some of interest in this genus
-est wishes I am sincerely yours,
Char. C. Deam.

Chas. C. Deam.

P.S. A few years ago there was a nice looking young man, probably now
grey, running wild up there by the name of H.H. Bartlett. He is gun shy
but if you chance to see him, tell him I am still alive and send my best
regards.

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