



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.

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Bluffton, Ind.
Sept. 19 1938

Dear Hermann: Your letter herewith corrections. I have entered them. Nothing new. These are stressing days. I want to complete the flora this week if I can.

I now have every thing in my lap. Just sent me in a retyped copy of his paper which means I must reread it carefully. Map names all came this morning.

yes I took yesterday off, a half day, I wanted to get more dope on the range of *Sagittaria brevirostra* and *latifolia*. If you ears had some interference yesterday A.M. it was me sweating out here. We had a beautiful lake of about 40 acres in Allen County. Surrounded by original forest. Now all out burned, lake lowered and the whole a blackberry thicket and not bringing in a cent. Former owner a real woods lover and as soon as the old man died his son, a lawyer, had every thing cut, etc.

Did I tell you I am expecting R.M. Harper of Alabama here Sept. 27 and as soon as he leaves Kriebel and I plan a trip to sw. Ind. All provided I get this Flora off hands and I see nothing in the road now. So I must sign off and get busy

Very best wishes, I am sincerely yours,

Chas. C. Deam

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Administrative Officer
V. M. Simmons

Bluffton, Ind.
Sept. 17 1938

Dear Hermann: Your letter of Sept. 11 was duly received. I must make this short
I am striving now to get this Ms. in by Sept. 26.

I wrote you about the Svenson paper and if we are to have changes let
me have them at once.

I am now checking Ms. etc. and I have noted on both you are articles
to begin new page with both Carex and Juncus - *Dark for lots & lots what I can get*

I fear we did one thing for which we might be censured. Fact is that
Mackenzie (N.Y. Bot. Gard) has a duplicate of all my Carex except a very few
and we did not stab the N.Y.G. at all.

Say I am having trouble with the word "colorless". Fassett was here
and in the little time he was here he read some Ms. and he chanced upon
colorless. He thinks I should not use it all but technically may be O.K.
but I think the Webster bears out my idea. The bracts of Antennaria may be
white, sometimes we have calices nearly white, not sordid white but a very
light greenish white and in such cases I use the term colorless. I think of
no specific instances. Watch for it in the proof. I might correct it by
saying nearly colorless. Fassett says colorless is black. Black is no color
because it absorbs all of the ray and there is no reflection but Webster
as I understand it says black is a color, but probably in the popular sense
Chartaceous will not do. This term carries with it the texture, while the
involucre might be fleshy and nearly white. Some use pale. This I do not like.
But probably is the best term, especially in working with Carex and
Juncus. Faint. Well think this over and if you have come to some
decision on the matter let me know.

Well since I am so busy I must make this short. OVER

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Hypocline

I have changed the Carex lead as you suggest, revised.

No I have not seen Core's Carex. I do not think much of Core. He knows too much. His Monograph of Scleria was a flop.

No I have not seen any of the English Floras. I note what you say about one. This is O.K. for the scientists but the introduction of new habitat terms will not digest very well. The Ind. Flora is my Swan Song and now I quit buying books etc. and retire. Tomorrow I go to Allen County for a half day for more data on Sagittaria. As soon as the flora is in Kriebel is to drive me around the state to study certain things and get live specimens to play with here. We will be gone a week. I want to revisit the Wabash bottoms, especially about Half Moon Pond, Slim Pond (you was never there) and such places.

No thanks for the Kew Index. Wish I had it many years ago, but now too late for me. "as this Steele who has retired. I did get some of Shear's items he advertised. I am still interested in local floras.

Yes I subscribed to Wheeler's Gray Herb. Card Index business. You know this man Steyermark has the nerve. He wrote me to send him at once my Card Index files he wanted to have his girl copy it while he was in Mo. now. I did send him 1/5 of it. I am now using it at a critical time.

Say the Sept. botanical Trek was the greatest thing ever. Every body enjoyed themselves except Bartlett et al who came after the procession started and they could not find us so they went home. Remember the Deam-Kriebel trains start on time. We have never been guilty of keeping a train waiting. I am sorry that Partless was not with us. I would like to have shown him some of our rarities. Bartlett never let Kriebel know he planned on coming, etc. Or else we could have had one car delay for late arrivals but all were there who so far as he knew planned to be there. On our trip this month we plan to spot places for next year's Trek. All are rare to go next year. It is a good idea to acquaint the younger set with the places where rare plants are found. Even Friesner got about 25 new things.

Well I must get busy. Very best wishes, I am sincerely yours

Chas. C. Deam.

⑤ p. 44 l. 8 after Willd. add ~~the~~ "Rhodora"
40:330-331.
"Fosses Willd."
⑥ p. 39 l. 10 from bot. add comma after Willd. the
"Rhodora 40:329-330.")

Repl. 9/17

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B
Governor M
Lieut. Gov.
Virgil M. S
Dick Heller
Earl Crawfo
Thurman A.
George H. I

d: "(? Carl Fosses
429-330.")

Dear He
side what you will
do about Svenson names in last Rhodora. Please let me know at once (as soon as
) you can conveniently because the maps must go in withing two weeks. The
Ms. is done with the exception I am hoping to get some dope from Alexander
on Vincetoxicum. As soon as I write this I take up the last Rhodora and
see what it does to our plants.

I think I told you the state printer will not take a part of the Ms.
and start. He must have it all and the maps in his lap before he will turn
a wheel. It is no use to dally along any more now since I have Dr. Just's Ms.
and it is now O. The state printer has exacted another thing which will take
a few more days. He wants the nos of the maps place on a blank sheet and
inserted in text where they come. They do not wish to send in a galley but
start with the page proof I had it in mind to mark on the margins of the page
proof where to insert the nos of the maps. Well this means working it out
and adding 700 blank pages with maps nos. on.

N.C. Fassett called last Friday. Whole family. I wanted him to stay all
night but wife had been sick all day and did not feel like entertaining them
so they went on. Fassett acted more white this time than I ever saw him. He
was really a good feller.

Now you decide about the Svenson names and make it fool proof
so I can not err. I will at once send in the names to Weatherwax that are to
be rewritten, etc. I have a memo here I owe you 14 cents in postage. Enclosed find
it. Gosh I wish you could have been with us last week. Very best wishes,

Chas. C. Deam

⑤ Dropped *straminea* and *albicans*

h. 37, l. 5 add after

"*foena* Willd." (*Cary argyrantha* (Tuckerm.)
Tuckerm.)

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Bluffton, Ind.
Sept. 12 1938

① p. 17 After *Cary siccata* Dewey add: "(? *Cary foena*
Willd., *Rhodora* 40: 325-329, 1928.)"
② p. 37, l. 2 Add *amicodon* after Fern.; add "*Cary straminea* Willd., *Rhodora* 40: 329-330."

Dear Hermann: Ere this you have probably been able to decide what you will do about Svenson names in last *Rhodora*. Please let me know at once (as soon as) you can conveniently because the maps must go in withing two weeks. The Ms. is done with the exception I am hoping to get some dope from Alexander on *Vincetoxicum*. As soon as I write this I take up the last *Rhodora* and see what it does to our plants.

I think I told you the state printer will not take a part of the Ms. and start. He must have it all and the maps in his lap before he will turn a wheel. It is no use to delay along any more now since I have Dr. Just's Ms. and it is now O. The state printer has exacted another thing which will take a few more days. He wants the nos of the maps place on a blank sheet and inserted in text where they come. They do not wish to send in a galley but start with the page proof I had it in mind to mark on the margins of the page proof where to insert the nos of the maps. Well this means working it out and adding 700 blank pages with maps nos. on.

N.C. Fassett called last Friday. Whole family. I wanted him to stay all night but wife had been sick all day and did not feel like entertaining them so they went on. Fassett acted more white this time than I ever saw him. He was really a good feller.

Now you decide about the Svenson names and make it fool proof so I can not err. I will at once send in the names to Weatherwax that are to be rewritten, etc. I have a memo here I owe you 14 cents in postage. Enclosed find it. Gosh I wish you could have been with us last week. Very best wishes,

Chas. C. Deam

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Administrative Officer
V. M. Simmons

Bluffton, Ind.

Aug. 21 1938

Dear Hermann: Your letter of Aug. 7 was duly received. I had nothing important to write and say man I have been busy. The Flora is now about to bear fruit. Dr. Just across with his paper and I sent it back to be retyped. "e would have done it but he said he would perfer to do it himself Expect it back tomorrow. Say Hermann. I guess I am afflicted with hypenitis and with being super critical. I have just finished reading the Ms. for the last time. I still have the box of excluded species to put thru the wringer. Every thing is ready for the printer up to Chenopods. I have written Wilson to get em started to printing that I can feed em the Ms faster than they can use it. As soon as the Chenopods are in the Ms. is done except I want to revise Gonolobus and Vincetoxicum . I wrote Miss Perry at once and asked her to look at my specimens but she never answered. I have just written Woodson(at Mo. Gaden) but I believe I saw some place where he was some place else this summer. That provincial set at Gray Herb. will have to suffer their sins. Miss Perry wrote on Silphium and described a new var. of S. laciniatum var. Robinsoni. The variety has the involucrel bracts and peduncles with glands. Miss Perry says it occurs from Ky. southward, see Rhodora 39: 297. 1937. Now I have here 14 Ind. sheets, from Lake County to the Ohio River and all my specimens belong to the variety. I have 34 sheets listed on the maps and I will try to see or have all seen to learn if we have the species or not. Now Fernald and Miss Perry do not get my view point on this matter. I am a reader of Rhodora and a botanical worker. They are serving up soup for us and shorting us when they do not give the range of the species. Other words, theft and darn poor work. To me the writer is under as much OVER

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obligation to give the reader geographic distribution as to give bibliography and descriptions, etc. It takes all to make a job.

Well I do not know of any thing of interest at this end of the line. We are preparing to have a "funeral procession" at the botanical meet. I am calling the Botanical extermination trip. Wadmond from Wis. some Michiganites may be some from Ohio, and it seems there will be several car loads of Ind. folks. I am supposed to ride in the pilot car. Kriebel will drive my car and I am supposed to feed the ammunition and he is to relay it to the crowd. Wish you was with us but far better to go alone. Gosh what will happen when I take em to a place where 1-5 specimens may be and surround them with a hungry pack of 25 people. Oh ye conservation?

I sent you a few plants the other day. If names are all right no reply necessary. If not send corrections P.D.Q.

I will take up your letter.

I will bet you have had an el of a time moving and getting settled. I hope you have all lived thru and beginning to like. Something like breaking in a new set of teeth. I got a new Lower Plate this week. Think it is going to work later on. It sure did work this week, got blister and boil, etc.

I made all the changes on the Carex Ms. Think it is O.K. now.

No I have not seen Munn's dist. of Forest Trees. I know Munn's and he is really a scholar but I will bet they will still show Pinus virginiana in se. Ind. after Sudworth et al, and Deam's Trees be damned. I will not buy the book.

I note what you say about deleting Flora of Mich. I would never thought that of Bartlett. Now I am either going crazy or the rest of the botanists have. Just read the hook up at University of Chicago. You can go up there and take a four course in botany, get a degree and come out and ~~kn~~ not know a sycamore from a beech tree. I am now sorry my plants go to Ind. University I had better have given them to Field Museum. Cleland is a cytologist and my specimens at I. U. will simply be stored, soon either in basement or in the attic. My God can't you keep the light of taxonomy burning while you live? Dr. Just wrote me that he expected to start a new Journal at the Lloyd

Hermann-3

Blake is a dried up dyspeptic but I think he is O.K. Maxon is a good fellow. I have met Swallen but do not know him. I have never met Morton or Killip

I note you had chiggers. Many remedies and I think I have tried all. If when you go out you will dust your socks and lower part of trousers with fine ~~sulphur~~ sulphur (The ^{best} kind, sold under several names) you may ward em off. Wife has the sulphur gun here always ready for action to kill red spider, etc. and when I went down into the arbretum and I just shot sulphur about by legs below knees and I did not get em. We used to never have em here but this year the grass was lousy with em. Now for those that land, just have a small bottle of ^{kerosene} kereose and tip bottle to wet finger and then rub their noses with it. Better repeat the operation 2-3 times and rub vigorously. Now this will kill them on me every time

h
Ceap remedy but the odor may be objectionable.

In regards to your new man Mueller and what you say about new things. Well let him study the oaks and hickories and when he has them worked out, let him write about em, especially the hickories. He is just kidding himself when he things he knows either. I do not regard myself as an real amateur on either group for Ind. plants but I do not know Carya or Quercus. What I mean I do not know the width of variation. That is what is needed more than any thing else right now. We have typical descriptions but the guy who goes to the woods is dead sure to pick up an aberrant form

I would like to see some one study Carya with flowers and fruit. George Perry sent me two specimens (seedlings) of *Quercus illicifolia* and they are not alike. Often an education has two phases. first a deflation before you can make much of an addition. Now Carya must be "field studied" you can not do it from herbarium specimens. One must get flowers and fruit from same trees

Glad to learn you plan to continue to build your herbarium. Now you may be restricted as to numbers which will give you a chance to make better specimens, I mean to give full ecological data on labels.

Thanks for proffer to keep me during the Holidays but I refuse right now even if I go. I doubt if I go. Think this Sept. trip will kill me.

Hermann 2

Library next month. He is at the Lloyd library now until Sept.10. I wrote him to be sure and stop off and see me. If he starts a new magazine + hope he will add all the new gadgets that a magazine should carry and have every article proof read to the limit and have every paper pass thru the hands of a specialist on the subject. The reader is entitled to the best, we want no chain store prices on literature. Not how cheap but how good. You know we are deluged with publications and it is now time to separate the goats from the sheep. Trouble with Just is that he is covering too much ground. Think I wrote you he is married(to a zoologist)

Think I will send my letters to home address to be on same side.

Now I am going to read your letter of July 17 which was written "under duress". I did not dare to reply to it for fear the letter might fall into other hadⁿs.

Wonder if your change of position was a planned scheme of Bartleet to delete you.? from Mich. You are too fast for most of em.

I note the paucity of supplies in your office. Such inconsistencies. If you were out on some public work you could assemble enough discarded machinery to stock the whole building. Such waste and then to have good Ms. that can not be published and the U.S. Bot. Garden with no one to look after it. I say dam the one responsible for this.

I note the subject assigned to you(Derris). Doubtless it will be a joint paper because the botany alone would not be of practical value.

I note the library facilities and to have a nook in a public building is just a crime, no key, no privacy.

I think you will find McVaugh a cordial fellow but I pity you with an old secretary.

Oh yes about Martin. In the event you get into conversation with him and can bring it about, tell him you know me, etc. and never let on that I wrote him. Since he quoted me in his article you might add, doubtless you must have written Deam since I see you mentioned his name. I just gave him the "works" and he never replied. I note your experience with him. "ell I think you will find some nice fellows in the herbarium.

Memo to Hermann

We have in our bibliography the following:

Additions to the Flora of Indiana. Papers Mich Acad. Science. (In press)
Was this ever published and how did I get this title. Think it must have
been from the program of Mich Acad. Science.

Page 5

Well Hermann I guess I must sign off and get busy. You are the only
real guy I have to write to.

I am going to try to keep the Flora right up to date. Fassett
described a var. of *Scutellaria parvula* var. *australis* from Arkansas.
He did not have my specimens. We have it all along the Ohio River. Now
I wonder if Fernald and others will regard the Deam Flora as they did
Coulter's, etc. and like the Forest Service do the Trees of Ind. etc
and just pass it up, etc. Or if I report a plant, write to send it on
for examination.

Please plead for geographic distribution in taxonomy.
Distribution not gleaned from old records but from real specimens examined
by the writer.

Oh yes. Do you still agree to read proof of the Ind. Flora.

Best wishes to you and family,

I am sincerely yours,

Chas. C. Deam.

for pay

Journ. Genetics (London) (442.8 J823)

Baldwin, J.T. jr.

Chromosome numbers in *Crassula*. Journ. Genetics 33: 455-463. illus. D.1936. no.3.

Darlington, C.D.

Crossing-over and its mechanical relationships in *Chorthippus* and *Stauroderus*. Journ. Genetics 33: 465-500. illus., pl.xiii. D.1936. no.3.

Dunn, L.C. & Landauer, W.

Further data on genetic modification of rumplessness in the fowl. Journ. Genetics 33: 401-406. D.1936. no.3.

Dunn, L.C.

Studies of multiple allelomorphic series in the house-mouse. I. Description of agouti and albino series of allelomorphs. Journ. Genetics 33: 443-453. D.1936. no.3.

Ephrussi, B. & Beadle, G.W.

Development of eye colours in *Drosophila*: Studies of the mutant claret. Journ. Genetics 33: 407-410. D.1936. no.3.

Faberge, A.C.

The physiological consequences of polyploidy. I-II. Journ. Genetics 33: 365-382, 383-399. D.1936. no.3.

I. Growth and size in the tomato. II. The effect of polyploidy on variability in the tomato.

Morris, L. E.

Pollen germination in *Brassica chinensis* x *Raphanus sativus* F₁ hybrids. Journ. Genetics 33: 435-441. D.1936. no.3.

Rhoades, M. M.

The effect of varying gene dosage on aleurone colour in maize. Journ. Genetics 33: 347-354. illus. D.1936. no.3.

Rhoades, M.M.

Note on the origin of triploidy in maize. Journ. Genetics 33: 355-357. D.1936. no.3.

Sanaome, F. W.

Some experiments with *Geranium* species. Journ. Genetics 33: 359-363. D.1936. no.3.

Recd. 6/8/38

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
July 24 1938

Dea Hermann:- Your note of recent date was duly received. I am glad to hear that you are so well please with your new position, etc. I regret that you are forced to pay such high price for housing. Joe Kaylor, ex-forester in Ind. and wife were here this week and they are located at University Park Maryland, near U. of Maryland and I think they said they paid 60,00

Well I am on the dumps. Discouraged, Probably you know Dr. Just is married and so far as I know has not done a bit on the Chenopods and it now looks as if I will have to write the family. Weatherwax was writing the names for the maps and his boy who does the work is off with Boy Scouts for three weeks. Mrs. Winch takes two weeks vacation beginning the middle of Aug. However her work is almost up to date. She has only the list of collectors to write. Yesterday I got the copy of the Habitat names paper. This is satisfactory except the name bog. You would not recognize the present paper from the one I sent you. I have constantly revised it. Potzger came up here and fussed with me for two days but he did not add any thing. My wife says I am stubborn but I think not. I am quite willing to change when I can see it that way. I will probably adopt in part or more Potzgers definition of a bog. He has had a wider experience in seeing them than I outside of Ind. but in Indiana I think I have seen about every one. One thing Potzger and I agree on is the use of "spring places" for boggy areas (miry places with mineral soil. I am restricted the use of bog, boggy to wet areas with a peat soil. One thing I am not clear on is the succession of Chamadaphne, if it follows tamarack or precedes it or is a "type" of its own I know of only one Chamadaphne bog that is pure. Tamarack usually has some part with a clump or area with Chamadaphne. I think I shall divide OVER

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bogs into sphagnum, Chamadaphne, and tamarack bogs in Ind. Northward there are other kinds. In other words bog is generic, and the different kinds may be distinguished by the kind of woody growth in them, just as woods is generic and we distinguish them as black and white oak, beech and sugar maple mesophytic lowland species, etc. You know in your new position I know you are just too busy to fool around with small fry's like myself. I want the road to be a one-way one. I want to do any thing I can to help you, but since my "sun is nearly down" just forget me.

Well the Ms. is done so far as I am concerned except a careful reading and the additions we have (Chenopods, List of Collectors, and to finish this Habitat paper. I am now reading the Ms. for the last time and I am up to Celtis. This means I have reread your papers and I enclose some memos I made on it. Reruse them and let me know about them. I have no duplicate of the paper I send. I made the memos as I read paper. Of course before I started to read I had to come to decisions which hurt. I follow Webster and GPO but I broke with both on color hyphens because Webster is not consistent. I am trying to bring every thing to one thing. For example we used both Torrey and Torr, for citing Bull Torrey Club. We used Amer. Midl. Nat. and Amer. Midland Nat. I eliminated a good many hyphens. Such as ~~bad~~ calyx-lobes, calyx-tube bud-scale, winter-buds are not hyphenated according to Webster. Well if you read the proof you will get a ^t, I mean several sheets containing the things to look out for.

Well I will close and write you again when I hear from you. Say you sent me a package and I think it was 15 cents I owed in postage. I made a memo of it but I can not find the memo. Well I will enclose 15 cents in stamps and call it square so as to get it off my mind.

Please let me hear from you on the Ms. notes at your early convenience. and give me both your home and office address.

I am sincerely yours,

Chas. C. Peam
Bluffton, Ind.

I hope you and family are now enjoying normal health and a little better.

Repl. 7/17

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Bluffton, Ind.
June 24 1938

Dear Hermann:--Your letter of June 22 was received yesterday but wife and I drove to Starke County to get more of that *Baptisia alba*? It began to rain just before we arrived there but between showers I got a box full of stuff and sent it on to Miss ^{Car}risey who is working on it. I would not answer at once but this will be my last letter to Ann Arbor and from this on letters may be fewer. I enclose some notes I made when I was working on the glossary. The glossary of habitat terms is not yet written. I have given it additional thought. Potzger will be here tomorrow and we plan to go over it again. He is much interested in this paper. I have read what Paul Welch says in his book and I doubt if he has milled this over as much as I have recently. Too many exceptions. On general principles I say darn a language has several widely varying meanings to the same word.

I must not make this letter long because I have a lot to do before tomorrow.

Thanks for the memo on separates. I will do my best to get this thru. I made a grave error and it may cause some feeling but I am innocent. I employed Paul Weatherwax to letter the maps and I presume they could have been lettered at the office. When Weatherwax sent in bill for part of the work it was turned down since he was never employed to do it. Nothing has been said to me but if any thing comes up I will tell them to just drop it and I will pay it about \$150.00. My God how I have spent my own money for the State and never batted an eye. yesterday we drove 277 miles hotel, 1.00 for dinner, postage on pkg. 45 cents and I do not get a cent back. Next Sat. Paul Cook, wife and I & wife go to Morton Arboretum to study at my expense, that is I put up for transportation, OVER

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You know the higher ups can not realize what my equipment and experience is worth to the state in my job. Harriet drew 1500, 00 while I drew 1800,00 and other erstwhiles draw ^a 4 to 7 thousand. ^w Enough of this.

I sincerely regret your sickness in family. I hope you will soon be over and later you can start a sideshow and exhibit youngsters who have had every disease to which man is subject to, a charge of 10 cents would collect a lot of dimes. Fix yourself up a wagon and visit all street fairs and let wife be door keeper and you collect while the ^h show goes on? Well it does seem you should have a "break somehow".

Say you must get over that Ph.D. idea. You are too much of an introvert. Loosen up and wish to put on gadgets, you will need em in Wash.

Regret exceedingly that our son-in-law will not get to Ann Arbor. This was premature. His name went thru O.K. but the regents refused to fill the position made vacant by (you know who but I can not now recall his name) So our daughter will not go to Ann Arbor now. Indiana grass book sells for 2.25 postpaid. The reason the price is not on the books they said they could not be put on since the book is sold at the cost of printing and the bill is never presented until after the book comes off the press. This time I will try to see to it that the major items can be added and those that will follow after the page proof comes in can be estimated, etc.

"ell Hermann I sure do wish you well in your new position. I am planning to attend the A.A.A.S. meet at Richmond next winter and then go on south for the winter. Will call on you and you can introduce me to Mr. Martin. (Have not seen his article as yet). Well it will not be necessary for me now to make notes for you because you will be on the firing line and know it all before it percolates out here. When you get settled I will send you the 4 Carex I got yesterday or do plan to continue to build up a herbarium? This doubtless will be determined by how much space they will allotk you and how much you can work after "closing time". It might be well for you to be compalled to stay at home and get acquainted with your family. I close with best wisges of success and health to you all.

Sincerely yours, Chas. C. Deam.

Memos to Herman

Aphyllopodic. Not in Webster's latest ed. but I find it in B. & B. 1913
I have it in the Glossary, think it O.K. to let it go. Of course you
have not coined the term, possible Mackenzie did.

Calciphile. I use this term a few times. I do not find it in Webster
My recollection is that it is a frequent term by ecologists. If I am
off on this let me know.. Webster better put an ecologist on their
staff and a botanist. Their botanist is Norman Taylor. All he knows
is how to be egotistic. He is the one who passed the hat to collect
the votes when the Ecological Soc. of America was formed. I put my
ballot in his hat but when the names of charter members was published
my name was not in the list, so I have always pinned this on him and
I say to hell with him. The book he wrote on botany to sell at
about 3.00 I bought for 25 cents of Frank Winters.

Ocreola, diminutive of ocrea not in Webster.

Phyllopodic not in dictionary. I have accented as marked.

Phyllopodium is marked as I have it and it seems best to follow that

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illus. Mr.1937. no.3.

Translated.

Wonfor, D.J.

Succulent plant associations of S. Africa.
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Van der Plank, J.E., Rattray, J. & others.

The effect of temperature of storage on Navel
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1937(48): 31-36. F.1937.

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Howard, A.

Cover crop investigations. Tickbeans give best
results. Effect on nitrate content. Citrus News
Melbourne 13(2): 19, 26-27. F.1, 1937.

Memo to Hermann

Carex comosa x Carex hystricina var. Dudleyi. No author after Dudleyi. Please complete if you can

A var. of a hybrid is a new one to me.

I now have Eric Hulten Hist. of Arctic and Boreal Biota.

You wrote me about it and doubtless you have read it. If you wish the loan of my copy, write me

I have just read in an old letter from Farwell in 1937 that he says Smilax lasioneuron and Smilax pulverulenta both occur in se. Mich. Wonder if he really knows Smilax pulverulenta. In Ind. it does not come north of the center part of the state, although Nieuwland found a plant that strongly represents this species in St. Joseph Co. Do you know this species and does it occur in Mich at all.?? Do not go to any trouble to look it up.

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Japanese with English summary.

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

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INDIANAPOLIS

Administrative Officer

V. M. Simmons

June 9 1938

Dear Hermann:--Your letter of June 2 was duly received. I would have answered sooner but fact is I had nothing to write and that is about the status now but I am getting tired of looked at that unanswered letter. Find labels. Mrs. Chase writes me they must now use "enclosed". She and Hitchcock had me to use "inclose" in ^{my} the grass book and that is what she now prefers but at Washington, say man, you have to walk the line at D.C. She ~~said~~ they formerly used a space between abbr. U.S. N.C., S.C, and others now they must close them up. Well when you ^{are} a "sub" you must obey orders. Well I am a good "private" that is why I am in for standardization. I think you and Barlett et al. are wrong when you do not give correct English due attention. In fact the expression of an idea is the clothing it has and if shabby the first impression is bad. Of course the laymen does not get this distinction but I predict the botanists will in the near future begin to improve upon technique of expression. Ecologists will bring him to it. The fact is there are but a few terms and could be soon committed. For example I always pronounced "sepal" with a short e but dictionary gives the long sound the preference. When I found this out I change ^d to the long sound. If we all do this soon the second pronounciation will be in the obsolete column. It makes no particular difference to me which but if I am criminally minded I will wish to perpetuate second choice. Well I have no notion of reform in my paper. All I plan is for the reader to understand what I mean by certain words. You mention some idiomatic expressions. Now we have many awkward expressions which we use unconsciously simply because we were reared on them. With some effort we could change our wording and be perfectly in-harmony with better usage. In the case of "waste ground". Doubtless "waste land, areas, or places" could be substituted OVER

and then we would not get mused up. I firmly believe you owe to your profession to brush up on this and list the things you need reform on. Many years ago, about 50 years ago I read Kant and Hegel. I have now forgotten all about the stuff but I carried away one thing which I may have gotten wrong but it is the "Categorical Ought". We have obligations other than those to keep out of jail. Now I would not lightly discard the use of soil, earth, and ground, etc. At your leisure work out what you think is best and write it down and forever use the best term and be a lord in your work and let the plebeian go. Now I think I will lay off this subject. You get me Al. All I ask is when you read the proof try to bring it in accord to my definitions. I will doubtless overlook many. It seems impossible that we would overlook such obvious things as "Akr" for Ark. Well just found this in Ms. and Weatherwax. Mrs. Winch, and I are supposed to have read this. This stands out like a sore thumb yet, it got by. I have found a lot of such errors in Ms. and I do hope when the final test comes we will catch them all, or at least enough of them that reviewers will have to read some before they can haggle me.

As to the check do not worry. When you get the separates if you have it to spare O.K. If not let it ride until you can have it.

Clausens monograph is still at the binder. I at once wrote him about Underwood's specimen of *Onioglossum Engelmani*. I saw the specimen at New York and it has no root or inflorescence. But his key seems to be based on venation. He wrote me that he made a note at the time that identification was positive so I took it out of the excluded and placed in regular text.

Well I got a letter from Miss Lorisey who is monographing *Baptisia* that my Starke County plant is not *B. tinctoria* var *perjecta* but all evidence points to it being a hybrid and needs more study. I think you wrote me that your seedlings petered out. Well I had 14 red may apple flowers this year but no fruit.

Best wishes, do not work too hard, and let me know if you go east to join the New Deal. Sincerely yours, Chas. C. Deam, Bluffton, Ind.

Recd. 6/22

STATE OF INDIANA
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Administrative Officer
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Bluffton, Ind.

June 13 1938

Dear Hermann: Well I now have to search for an excuse to write. The habit was so well established I really miss it.

Just heard from Weatherby and the *Stellaria* is *S. graminea* L. I do not know where both of use were when we tried to name that plant. I now see it fits perfectly the description, etc.

June 27 my daughter will be driving to Ann Arbor and if you wish a bottle of the *Bromidia* I will have ^{her} leave you one. This is not boot legging but a desire to relieve suffering.

Now here is the real purpose of this note. Wilson will be here now most any day and he wants to close up this Flora Deal as soon as possible. Of course it will take time because I am still held up by Dr. Just. Mrs. Winch has fallen down, and Weather wax boy has fell down on lettering. But he promises to get them all done before the end of June but then I must go over them for errors, etc. I have it all done now except reading new Ms. which Mrs. Winch still has (glossary, collectors, etc) Then I still have the Glossary of habitat terms to finish. I have ^{pag}ed the Ms. and when all is in it will make about 2,000 pages which includes the maps.

Now here is my question. Dope on the Separates you are to have. Think I think you wrote me about this a long time ago. If so the letter is misplaced and I ask you to write your request upon on a separate piece of paper. State how many you wish, style of cover, paper, heavy paper, color and stiff board and color. Also the Copy ^{of} the Title page. Now I doubt ^h if you can get it repaged because our printer when he changes page number they charge for a whole page, robbery. OVER

Now I hate to put you to a lot of trouble but if you can put this in type writer style we will be less liable to make mistakes. Now I am not sure that you will get what you ask for but I will try to put it across if I can. Since this paper is in partial fulfillment of your degree this can easily pu^h on title page if you like. I guess they charge for a page no matter how little the copy is

Did I tell you Miss Larisey writes me that my Starke County Baptisia she thinks is a hybrid. I will send her flowers tomorrow to get chromosome counts. No other news but probably you read in papers the new set up in botany at Ind. University. Ralph E. Cleland is to be head. Weatherwax is to remain where he is at. I expect this will be a blow to Weatherwax. Cleland is a student (Oenothera) but I have no idea what a head of the dept. he will be. They are sha^kng things up down at Ind. U. Many new appointments.

No other news. My son-in-law has been appointed to a position in Dept. Zoology at U. of Mich. Appointment not yet confirmed until June 17.

Do not mention this until the appointment is confirmed or denied but I am hoping it will go thru. This will bring our folks within a half day ride to use.

Best wishes, and let me know if it is a sure thing that you go to Wash.

Sincerely yours,

Chas. C. Deam.

No hurry to reply.

I am feeling rotten, just on this side of being dead.

Do you have Carex cumulata from Newton County? You should have but your "H" is not on the map. Let me know if the H goes on or not

Say last night in order to interfere with sleep this trouble came up. Am I using "Ground and soil" in correct ways, etc. and what are the definitions, etc. I now have a pretty definite notion of how they should be used but I can not define them, although I am under no compulsion to do so. I discuss this with you because your life is all before you and it might be well to settle it and use these words in their correct sense, if there is such a thing. Webster defines "Soil" down to "sexual intercourse", so you see you have latitude in the matter. I know if I was teaching in college here is where I would use the combined brains of the lot. Ask them after a discussion of the matter, to present next day 5-10 examples of the use of both words and then take all of these answers as a basis and try to frame a definition or make a rule for the use of each.

Of course the term Earth is generic. When you "day dream" about this subject you can think of all kinds of things. We mine minerals from the earth, get oil from the earth but usually dig coal from the ground.

Now about the best I can do is to say that limit the use of soil to all relations of the name to vegetation. The word ground both to inanimate and zoological expressions. You say a ground mole searches for food (where in the earth or in the ground) but never in the soil. Well I will leave the zoology of it. I know there seems to be a dual use of the words. For example the sturdy oak is firmly established in the "earth", ground, or soil. If you could assemble say 100 or more such expressions you might begin to classify them and get your definition but it will take a lot of effort and in the long run is it worth the while? I think in my revision of the "s." I will carefully watch for the use of these two words and delete ground wherever I can. There is no such thing as sterile ground for the botanists, including anaerobic bacteria. But the zoologist might use ground while we should use soil. It seems in a broad way all relations of plants with ground (upper surface of the earth's crust) should be soil. But here you run up against a snag at once. I say ~~xxxx~~ Celtis occidentalis is found in low ground. What does this mean. In Posey County where the elevation is about 330 and in Wells County where it is about 750 feet above sea level. So you see low ground expresses a relation between to adjacent areas and not between non-adjacent areas. High ground. You could not use High soil. Doubtless the quintessence of this high and low refers to soil moisture, and might it not be possible to delete high ground entirely. I do not think of a substitute phrases, at least one well known. I suppose I should have a kick in the pants for bringing to your attention this thing but I am assuming the battling with such a problem is only mild mental gymnastics while to me it is nerve wrecking work. Wife says I am always trying to get in bad. Why not let it go and whistle and have a good time like others. You strengthen yourself by meeting opposition, etc. Well I should be pretty strong because I am always "picking" at something. Back on the trolley. When we use "high ground", the difference in the elevation of the terrain is not the thing aimed at but "high ground" carries with it the facts of many things, depending upon the hearer and his education. The forester at once thinks of run off" in relation to tree growth. I think the idea we try to put across is that the area is one with little moisture or one that is "likely to be dry". If the later why not try to frame a phrase to take care of the idea. The same "low ground" is a misnomer as I have tried to point out. In the use of this phrase we try to impress or convey the idea that the habitat is a moist one. Well if that is the big idea why not try to express it in relation of soil to moisture. You know this is what I call "the common name". Just the same thing as using Spring ~~xxxxxxx~~ Beauty for Claytonia. "all you know how radical and erratic I am". You always wonder how my wife lives with me. All right I have started something (low ground) what can I do about it. Best way is to refer it to ^Hermann or some other "high up". But low ground is peculiar in that it, assumption is" has moisture, OVER

richness, porosity, and generously supplied with soil life, and the site is highly productive. Now equally ambiguous are such terms as moist soil, rich soil, etc. You can find moist soil under deep leaf mulch and rich soil in ditto position, even on the "poorest" slopes of hills, east exposure here. Moist soil is surely very ambiguous. All soil is moist after a rain. Soil will retain moisture for a long time under a deep mulch. You know I have made up a list of habitat terms and I intentionally omitted such as these because I could not handle them and I do not know how they can be standardized. Doubtless if you interrogate a dozen professional botanists you will have a wide difference of opinions, if any. Facts are we have just loosely used the terms and get by with it. Now I think if you think it worth while to wreck your brain with trying to get order out of this nebular stuff it would be a step in the right direction. Ecologists are doing their darnest along this line but much of the work being done is by "youth", one with a limited experience. Now you may have a solution before you finish this discussion, if so let me have it so I can use it in my final revision. I would very much like to have a "synonym" for low ground and for high ground. The words wet, moist, etc. are much used in describing Carex and Juncus habitats. I suggest that you begin a series of articles on the subject. Title the first one I, and the second as II, etc. This will pre-empt the subject for you and then as you day dream let these terms be your subject.

I recall some one, and I do not now recall who, but not a botanist but a zoologist called me on the use of the term "sterile soil". So I have instead used the term "soil of low fertility". Of course sterile soil might correctly be applied to one that is "baked" to kill all kinds of life in it, otherwise the term mis-used. You know Hermann when one once digs into our English our "diction" or what you call it can be greatly improved. Just like swearing you can blaspheme out in the open but in polite society or in presence of a preacher you do not do it. Well now if we can list a lot of expressions, we can just as well avoid them and substitute. Doubtless you (if you lived out in the woods like I have, I mean being born in a provincial class) use words that can be best dropped. Here is one I had to break myself of "fetch". I now use "bring" without effort because I have deleted "fetch" from my vocabulary. I have been trying for 50 years to absolutely to forget kin for can, git for get, etc. But in writing I am O.K. I mean in conversation. The thing to remember the tree usually grows the way the sprout is bent. Gosh it seems that most of the people are plebeian born and continue to grow up that way and soil ground and soil has nothing to do with it either. The decision must come from within and what reaction that decision has to being "well born" I do not know. I have met men who have started low down but you would never guess it. "ell I must get back on the trolley again. "ell I think you get me Al and why continue. I guess the thing to do is to tabulate all the expressions I can where I use ground instead of soil and see if it is possible and feasible to coin another expression without appearing pedantic, etc. I do not want to have this come to the surface like the Greek does in Clements writing, etc.

I just received your card about Anaphalis. Many thanks. I will use it, fortunately it is so rare in Ind. we may not expect any strangulations from the name, but it is hard for me to say it all at one time.

Just received in this mail a specimen of Stylophorum diphyllum in fruit from the Purdue weed specialist to name. Can you beat it. Add this to the many wrong determinations. Last night we had 3 Federal Agents swoop down here for several days work to search every yard for barberry. A few years ago they had some "boys" here and they tried to get people to dig up their Japanese barberry. They will be over here in our arboretum and then the fun will take up.

"ell your card calls my attention to Polygonum baibraskensis Greene. I had overlooked Rydberg's reference to it. I am surprised that Nieuwland and Greene did not find it in Ind. In looking this up I find that Stanford in Rhodora 27:151 gives it as a synonym of P. Hartwrightii which I am calling P. natans f. Hartwrightii Standford. Now I have a little dope on this. You may or may not recall the bed of plants just north, I mean along the foundation of my barn. See page 3

g

J. Rhodora

Have written Weather

This is the original soil, doubtless acid. You know two spades dept^h of soil was taken here for a brick making. This bed has never been "made" but I use it to plant acid things in such as grow in hard white clay soil. I do not now recall why or when I planted *Polygonum Hartwrightii* in it. But it has spread for several feet by rhizomes and I keep pulling it up. By gosh I will let some go this summer and if needs be I will try to remember to keep them wet and see if they will flower. My recollection now is that they never flower. Well to conclude this I will say this section of *Polygonum* is in such a mess that I pass it up. Nieuwland did a lot of work on it and how scientific it was remains to find out. But the persistence of this species in this hard clay soil points to an innate character of great ~~adaptation~~ adaptation and there is no surprise that Greene not knowing the species went ahead and described as species every thing he saw different. In my write up I refer all aquatics to *P. natans* and the semi-aquatic to *P. coccineum*. Nieuwland sent me quite a good series of the later species in *P. caricetorum*, *tanophylla*, and the like. I am junking them and list them under *P. coccineum*. Now since my plant has persisted here for years under adverse circumstances your plant if you dig into the matter may have persisted from some water hole for decades. If interested in my *Hartwrightii* here I will leave them go and in due season send you specimens. My guess is that they have persisted 10-15 years and may be longer. I do not now know if I planted them or not but doubtless I did because all the other plants about it are dry land plants. Doubtless a piece of rhizome with one or more nodes would be sufficient to have a start of it. The adjacent plants are *Arunco*, *Spigelia*, *Collinsonia* and *Waldensteinia*, that do not grow with it.

Say man I must sign off and get to work. I may think of something else later. I will mail this when the plants get dry in a few days.

RAPID FIRE-- TRANSIT CO.

F. J. ^Hermann,
Pres.

Chas. C. Deam
Coll. of duss

Dear Hermann: I have your postal card and letter of May 21. Will make you a specimen of Valerianella as soon it quits raining here. Was O. ^A. yesterday, Kriebel and I went to Steuben Co. and it was cool and cloudy and we found plenty of mosquitos. ^{Results} of trip must await your report. We could not find Carex pedunculata. I have several specimens here and we looked them over and I am sure we did not chance upon it. We worked sugar maple-beech woods, one had a considerable white oak, etc (went to get more of the Luzula saultensis but we could not find it although we scoured the area where I found it. Found C. Sprengelii in De Kalb County, about 10 miles south of where you and I found it in Steuben County. I note in Ms. you describe all the counties you found it in. If you wish me to interpolate ^a Kalb County I will do so, and change the Steuben County phrase to read; the Steuben County, etc. Let me know about this.

In the A. E. Emerson woods on the lower slope of an oak slope but sugar on lower slope I found a Carex I do not recall ever finding. It has very long single stolons, plenty of long linear leaves with one culm with a few perigenia. ^{not a remnant or allure} Base of leaves and culm reddish. Well I took several specimens but few had culms and each plant grew separate. Had a peculiar habit to me. Well I located it mentally and I told Kriebel to do likewise because the Carex is unusual if not new to Ind. We took only 6 Carex and these I will send as soon as dry.

In answer to your letter you would be justified to send a postal card to the Ohio ^h cap and tell him on receipt of 15-25 cents you would return his pkg or if ~~he~~ wished them burned you would furnish the match.

I thought you ^{knew} new Ada Hayden. She is teacher and botanist at Iowa State College. ^{age 50-80} ^{the following} I think is a good description of her: She is a live mummy.

I think she was formerly red headed and has a copper color and a dam nuisance at any A. A. S. meeting. She is mediocre, no botanist but she is always trying

Here is the formula on the Bromidia Chloral hydrate 91 grains; Bromide of potash 91 grains, Ext. NHyosciamus 1 gr per each fluid ounce. If they keep on advertising by fighting Cannabis Indica (Cannabis sativa) both the same thing they will have every body wanting it. Old story of telling the kids not to put any beans up their noses. I have collected Cannabis for years and I never knew it was "loaded"

I think the Peacock bromides are suppose to be the same

Say Hermann I would not kill myself naming up stuff on the dot for people like Miss Hayden. O.H. but take your time to it. Likewise with that wild man Deam. Cut em out

I know nothing about Chenopods and all my material is at Notre Dame. I do not now recall Chen. leptophyllum but my notion is that it is a whitish plant with erect and narrow leaves. Plant 2-30 inches high at the most. Glad you got the Antennaria solitaria. That man Kriebel is a fine fellow. We had him as a guest two nights and I was out yesterday with him. An outing in northern Ind. with some one who knows the plants is a treat to him, since he has never been up here. We kept on the look out for Ranunculus Macounii but none. I have a nice specimen in bloom here and if you have none I can harvest it for you but do not delay reply.

Rereading your letter. My God what do they teach in systematic botany. I think one of the things they would make sure to stick would be to make and mount specimens on standard size sheets, although Prof. Weatherwax mounts his grasses on sheets about half natural size. (Well this locates him, botanically) They hurt only themselves. This reminds me of an item for standardization. Just received a box of maps from Weatherwax and in them I have author a few times, HBK. but he changed it to H.B.K. Gray uses the first and B. & B. the later. I have not yet taken the time to see if European botanists use. Has there ever been a ruling on it. I knew of the B. & B. but I never use it for authority. It was published about 1913 when the Amer. Code was in full bloom.

Hermann-2. Now you can make up for lost time if you do not write me. I hope I can soon lay off so you can write occasionally. Of course I will pester you because you are really my only correspondent. I can learn from you but the rest are of the "give me" type as I am to you et al.

As to the appearance of the Indiana Flora, even God does not know when it will appear if Man is a free moral agent. This man Just has sold us so many alibies and I am having a good many set backs, I make progress slowly. I now hope to get Ms. to printer about July 1. Very much to your surprise I plan to carry on with all my unorthodox names of Standardized Plant names, G.P.^o. Wish I had you here for a real tete-tete on the subject. I know Weatherby said these practical people did not make rules for the taxonomists. In that he entirely mis-understands. The Standardize plant names are for common names which the taxonomist has little or nothing to do with and personally am a foe to the "vulgar" names. Again as to broadleaf, etc. it is here to stay and so far as taxonists are concerned it does not matter. My greatest concern has been with color patterns and a few other items. I believe there is a greater difference among people in the understand of habitat names that we appreciate. Just try a few people out once. Kriebel and I went over my list carefully and he says he finds he been carelessly calling habitat terms.

Keep the Furtago paper as long as you wish, at least two months because I read nothing now. I bought it thru Wheldon & Wesley, order^{ed} about last Nov.

Say those Shylocks who are trying to force, take a shot at em. I enclose you a check for 50,00. Use it and stop them and pay mex when you have the money to spare and no interest. Do not return the check, you must accept it and I wish to tell you, you are mighty welcome. It does me good to help a model T. ^{or} a Cadillac out of a hole.

Mrs. Deam has just handed me a note to include.

Sincerely yours, Chas.C.Deam

"Seeds"

MRS. CHAS. DEAM

BLUFFTON, IND.

Federal Postal Orders.

Our lines between Ann Arbor and
H. Wayne having become
congested & overloaded, it
grieves us to advise the
Rapid Transit Co. that here
after it must limit its
load to one letter per week

Regretfully

Govt. P.O.

Best regards to the Herman
family large & small.

S. D.

58,943

Stellaria palustris? In Six-mile Cemetery about 2 1/2 miles se. of Bluffton frequent throughout with another foreign Carophyllacea, I have not yet collected. I told sexton to spare a patch so I could get some specimens. Hope to get this one in fruit. Found these long ones along the fence.

58,945 *Carex Sprangellii* Dewey.

58,946 *Carex* ^{*Janiculonis*} De Kalb County on the border of a buttonbush-soft maple swamp in a mesophytic forest. Right here white oak, red oak, sugar maple, bass wood, but a short distance away, a white oak-hickory forest

58,947 *Carex* on a log in the water in ditto swamp or pond. Collected it for habitat. Think you and I got the same thing two years ago in Steuben Co. on border of Webber Lake.

58,948 *Carex* ^{*canensis dispersa*} on the border of ditto pond.

Steuben County

58,950 *Carex* ^{*Hitchcockiana*} in a sandy sugar maple woods 5 1/2 mi. se. Fremont.

2/ 58,953 *Carex* ^{*Woodii*} in the A.E. Emerson woods on a lower slope along a small stream. Where this plant occurred it was with sugar maple but the top of the slope was white oak mostly. Now this *Carex* seems new to me. I do not recall ever seeing it. It thinly spreads over an area with no other vegetation and most of the culms are sterile. It may be an old timer to me but I do not now recall it. It is located about 5 mi. sw. of Angola. If of sufficient interest hook up your buggy and meet me at Angola next Sunday at 9,00 A.M. Standard time. Now I am not anxious to go any place. This is the plant I wrote you about. I feel like I would cash in any time. Do not have enough energy to do any thing but get weeds, etc.

Wells County

Valerianella intermedia Dyal. This plant has been in our arboretum for years. I do not recall that I ever planted it and it surely is a native here. It grows in its habitat. *Valerianella* sp. I wrote in Flora as ~~Kriebel~~ Infrequent I think. I now think I will change it. Kriebel says he rarely has seen it and I just concluded a 750 mi. trip and never saw it. It is so conspicuous in flower that one would not miss it. I looked at every low place as I drove along enroute to Ind. Acad. Science

Say I can not name the Cemetery thing. "earrest I can make out see Hegi Flora Vol.3:358. Seems to fit nearest to *S. palustris*. In the event you try it, let me know what you make out and if necessary to send to Weatherby. I found another sort with pubescent stems and still another that had not yet sent up a stem. Guess the Flora will have to have an addenda.

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Repl. 5/21

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
May 18 1938

Dear Hermann:- any thanks for the suggestions of the Glossary of Habitat terms. Guess this boy has undertaken a Man's job but I have started it and I will finish in some sort of way. I note what you say about a bog. I will make the moss (sphagnum) read "usually covered more or less with sphagnum". Think this will get me on both sides of the fence. "xcuse me, today my head is all wood and I can not think.

Now Hermann you must pipe down. You nor no one else can stand to work until 3,00 A.M. And yet I am sending you about 20 Carex for naming. Mine is an emergency case. Wilson wants the Maps by June 1. So I must have the determinations in time to stab them. I can do it May 30 for that matter. Now I have just listed them with yhe habitat data and you return the list with the names and I will at once send you a set of labels.

When I worked the Antennaria I make it out to be A. Parlinii. In the field the rosettes were rolled together, do not recall ever seeing the m that way, may because of very dry weather down there

I regret to learn of you troubles at Wash. I fear Morrison will make life miserable at Wash. Some institution of Society needs to give him a calling. It "can be done". I have met Drew and he impressed me as a lazy fellow and no pep. I met him at Knoxville, U. of Tenn. I never met Goodman but once. While he was at U. of Okla. and he did not impress me as a go-getter at all. May be he has gotten a haircut since I saw him.

Now we have no bogs in southern Ind. All in the lake area and few of them. In my Ms. I frequently used the term "boggy places". This will be replaced by springy places. Potzger is now working on the same paper I sent
OVER

you. I sent him the duplicate. He writes me that some German has just recently published on my terms and he will study them and write me soon. He has the same trouble as you and I. Trying to do too much.

Now as to the term prairie. Remember this whole country once was treeless after the glacier and after revegetated according to Sears, et al a dry spell came along and killed off all vegetation except the tundra, then it had to again be re-occupied. No matter, I feel certain the open areas we still have today have always been open and the areas are slowly being invaded by the forest. Now we have the dry areas and the wet areas. It is peculiar that the bur oak is the invader in the sand and dry areas in nw. Ind. and that *Quercus imbricaria* in southern Ind, especially in river bottoms such as the Patoka. I have hundreds of acres of *Q. imbricaria* and *Q. palustris* in the Patoka bottoms with no other species.

The worst trouble I have is to distinguish between a marsh and a wet prairie, except by the plant life. Our wet prairies I doubt if they ever had our marsh plants. I have no way of checking on this, because the wet prairies in the south have all been drained.

As to the vegetation in sinkholes, yes the vegetation is more calciphile than ponds. I think but of this I can not be certain. Too little data. Real ponds are woodland water areas and kept more or less acid by decaying vegetation. Ponds in the open are few, such as the one east of Livonia. This one is not characteristic because it is so large and the influx of a washed soil is not able to affect the whole area like in a small pond. Well Hermann my head will not think today, so I must desist trying. You be a good boy and save your head for other days. Remember you will soon get rid of me. Kriebel and I may Sunday go to Steuben County and try for that *Carex pedunculata* and if we do you will get another batch. All I can do is to hope for the best in all quarters. Do not worry you competent to have a good job but of course you want one that pays and permits you to work, not under irritation.

I must sign off, very best wishes, I am sincerely yours,

Chas. C. Deam

You keep all the plants I send, I have duplicates. When I return labels, I will divide into two piles. One which will be duplicates of stabs on maps for H. and those new to the county for H. Deam

Repl 3/21

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INDIANAPOLIS

Bluffton, Ind.
May 15 1938

Administrative Officer

V. M. Simmons

Dear Hermann: Well I sure am glad you did not come down. The trip was a miserable failure. I spend 2 1/2 hours ^{every} searching for the type locality of the Carex but I could not find it. I went over road for 4 miles. I met one group of about 50 men working on the road. They are straightening and widening and graveling all these ~~roads~~ roads and driving over them is bad but I went over every one. I still have a hunch where I met the big gang of men working was the place. They were spread out for 3/8 mile with catapillars, derrick scoops, and 4 set of men with flags so I had no time to botanize. I could do was to avoid trucks, and men. Well it seems as if that is off.

Well I did make a short cut on a country road and I found some Carex and one on a wooded slope approximating the habitat of that Carex mesochorea and I believe it is it. Looks just like C. cephalophora but not the habitat and has large and long lateral branches. ^{stem} Well I took two nos of it. First place I found it, was rather immature but in second place I got mature fruit. Also found an Antennaria here that looked "funny" to me. Will send you a specimen. Well the last bell is tolling now for the maps. As soon as these Carex are dry I will send you one each of all numbers and I will appreciate it if you will name them at your early convenience so I can stab them. I think I will just send the specimens with the numbers and a sheet of data and when I get the names I will send you labels. Then they will not show on label two operations. I will buy a new ribbon and try to make the labels look O.K. Well yesterday was field day and it rained during the night and was drizzling until 10,00 P.M. with showers so I came home and it rained all the way. So no one was able to OVER

to get to the field. Today it has cleared but cloudy. So you missed only a big disappointment. I am sorry I do not have my Carex so I can look at them. They are just as you left them here.

Well while at meeting I tried to get an expression from the leaders, especially Kinsey about the use of certain words, and colors, etc. I am amazed that writers have not given any attention to you might say diction, or standarization of words. To introduce my subject I usually asked them which was the right bank of a river and if there are two or more in coterie you will have both sides represented and then all you have to do is to retire and let em fight it out. My definition of seed is new to all, no one had ever thought about it. The word wedge-shape, size, etc. had never thought about it. ^{all use the Gerundine} It seems as if the dictionary and G.P.^o are quite unknown to some of them. I was shocked at X Kinsey that he had never given the subject attention. For Kinsey is a thinker and good scientist but I went after him hard at breakfast table. We had a talk on the Effect of the Pleistocene glaciation on life? Now in this I may be all off. Like the 11 contrary juryman or wigwam lost, etc. He gave the time worn example of how the plants like animals "retreated" ahead of the glacier and this disturbance induced hybridization, etc. Now as I say I may be all wrong but I think this retreating idea is all bunk. Then he added when the ice melted the plants promptly retraced their steps back and the country again became populated, etc. I asked him how ^w the ericads got across the Tipton Tipl Plain, Well I can not write all the dope he gave but he has a lot of Cynip evidence which you can not controvert if he correctly interprets his findings. Well there are so many factors concerned here and indisputable evidence lacking. So the argument results in making statements and that is all that is to it.

All the Carx I send doubtless are all mine run but probably you can use them as duplicates. Now on bottom of label I wish to advertise you, Det. by F.J.Hermann. If you do not wish this on your labels better send me a card at once. No new developments. Will try to write Bartlett to o tomorrow. We have the "store force" here for dinner (wives, etc. 12) I am am still all bunged up over trip, Sincere ly yours, Chas.C.Deam

Recd. 5/16

STATE OF INDIANA
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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
May 11 1938

Dear Hermann:- I have your letter of May 9 and I regret to learn you can not go. I suspected you would not break with your wife on this. I sure would like to have had you go. I feel so bum today and past two days, that I do not know if I will ever get back alive or not. I did walk up town for dinner today, wife at Indpls. Guess I will now have to call for Divine aid. Well I am going if I have to put chains on tomorrow. Lord I am just froze and furnace going at winter force.

I note what Lundell, who ever he is, says about annotation. Well you can tell him for me he is a darn fool or an ignoramus too dense to be in botany. I never heard of such an idea. It is certainly not very inviting to work with such old material, except the kick you get out of distribution. I note the condition of specimens Well in a hundred years the zoologists will be bedding their guinea pigs with my specimens.

I will write Bartlett when I come home. I feel too tough now. Can not even think well enough to keep warm.

As to that "fly speck" Chief of yours, you are up against it. The great misfortune is to have him. Only way is to kill him or to get him a better job.

I am glad no matter your voting place you agree to read proof for me. That is encouraging. To have a real botanist to read it.

Say that Habitat Glossary is bothering me. I am anxious to hear your opinion of it. I am bothered ^{ered} about the use of "Springy" for boggy. When a spring discharges under ground we have miry places. Dictionary says miry means mudholes

It does not give "springy" to mean boggy, so what term am I to use for such places. Wet place will not do. The idea is not definite. It is not

OVER

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swampy, if I refer to my definition of a swamp . My swamp idea is a cavity and "boggy" banks are usually somewhat convex. I can not use marshy . The darn dictionary you can not depend upon. They give too many hybrid ideas. Since these "boggy places" are products of springs, some word that would carry the idea would be preferred. I have thumbed Roget's Thesaurus but no help. Guess it must now come from "grey matter". These "boggy places" are products of a spring, related to a spring, result of a spring, etc. and if I had the rope that ecologists have I could use "springy" with gusto. By the way I now have a real name for the ecologists. Call em "Necklace botanists" or if you do not wish to defile the name botanist just call em "necklace nature lovers". The name is derived from their multiple use of the hyphen. They tie 2 to 3 words together and do not bat an eye, etc.

By the way I have been studying about the use of certain terms such as color and I have decided to not hyphenate any color of any kind except those standardized by Ridgway. Now Webster and others use gray-green dark-green, *of GPO note* which are written as unit color. Dark-green is a unit color but what is the color if it is not standardized. We must have "a holotype", something to go by. My idea might not be yours by a long way, so there is only one way out and is to use as adjectives. My gosh I had no idea what a mess this color business is until last night I started in, in earnest to make a decision on it. Of course in ornithology it is not so bad except by the less educated ornithologist. I did not look at a mammal book. But I did look at Kinsey's books on bugs and he is the worst ever. No uniformity and he just tacks all kinds of things together, that is if I understand him. Now there is no use to argue until we standardize. Yesterday I had a high grade newspaper man here and I sprung the "right bank" of a river on him. "ad he said the right bank as you go up a river and he could not get the idea that any one would think otherwise. I told him I had two college profs. here last Sat. and they did not agree. One thought the right bank as you go up and other as you go down. I also called their attention to the use of seed and seeds. I feel certain you will change your mind on the dual use of the plural of seeds. I note the U.S. Dept. Agr. are not consistent on the use of seeds.

Hermann-3

Well so the world do way. One thing I am so old it does no longer disturb me for some one to disagree with me. But I am away off from that miry spring business Well I will be gone three days and "banged up " for a day or more so you will have time to let me know about this. I do hope I need not bother you so much, but I need this dope at once so I can begin to correct the Ms.etc.

Doubtless you read Fernald's new forma of *Anaphalis margaritacea* ^{var} *revoluta* forma *arachnoidea*. Well Fernald turned so darn many corners I got lost in the shuffle so I will write Weatherby what in the world our plant is. As I get it, my plant must be the *arachnoidea* form.

Doubtless you have taken time to go over Miss Dyal's treatment of *Valerianella*. Our Ind. stuff belongs to *V. intermedia*. It is a weed down in our arboretum. Will press some next week, not quite mature enough yet, do you want a specimen? We have a single collection of *V. chenopodifolia* and that is from the Studebaker woods, St. Joseph Co by Nieuwland.

Well I note your departure is not entirely decided and I should write Bartlett at once but you doubtless will go

Well I am going to sign off. Best wishes, sincerely yours,

Chas. C. Deam,
Bluf ton, Ind.

Chas. C. Deam

Yes

Yes

Monday P.M.

Dear Hermann:- "ell I send you some more and the last of the Flora except I must now revise Vallerianella. Do you wish to see that. I got at it at once.

Say I do hate to bother you so much but this is to save my reputation if I have any from perdition. I wrote the Flora and then my definitions and when I dig into it I find I "am not up to date". I find it extremely difficult to define certain things, especially "marsh" as I understand it. These are sedge "meadows". I do not have enough data on them. I can not tell you if they are acid or alkaline or both. It is difficult to distinguish them from wet prairie. That area you and I were in north of Hammond I would call a wet prairie. About all the distinction I can think of is the kind of plant growth and this it seems to me to beg the question. I think a marsh will always be seated on peat or muck of some depth and it might be that they are a succession to the bog but I have no evidence of this although I have seen bogs (tamarack areas) contiguous to marshes. I wish you were here to help thrash this out. I fear much of my misunderstanding would result of different view points.

"ell I will not harangue with this, still hoping you can come down Thursday. Gosh how I hate to give up this visit but doubtless it is for you not poill oil on the troubled water if you can. You must always live with your wife and in a few months I am in the discard.

Will you please read this at your convenience and return. This is the last except the Valerianella revision and probably I will have to write Chenopods if Just does not come across and that is like Christ's Second Coming, time not certain.

Now you will get this Tuesday. I plan to leave here Thursday at 9,00 if you do not come. So you can write, send me a night letter or telegram at last minute. Here is hoping you can come without twisting the wires too much.

Did you want the Furtago magazine (contining stuff on nomenclature)??

Sincerely yours,

Chas. C. Team

You can use this envelope to return us in

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For Hermann

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Memos to Hermann

Do you have Ridgway's Color Standard Book. If so what does his asterish before some plants mean. Too a few names he hyphenates and others he does not. I am too thick headed now to get this but once upon a time I had it. There are such terms as hues, tones, and shades of color. I have decied to use Ridgway Standard and I do so ¹ bracket the name after the color and ¹ will write all colors as two words. You use straw colored, etc. May I change to straw yellow?

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di patata infetti. Ricerche Osserv. e Divulg.
Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat.
Portici 6: 71-94. illus., pl. ii-iii. 1937.
- Cristinzio, M.
Un grave attacco di mosaico nella zucca.
Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog.
R. Osserv. Reg. Fitopat. Portici 6: 95-102. pl. iv-v.
1937.

Ref. 5/19/

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS,

Board
Governor M. Clifford Townsend
Lieut.-Gov. Henry F. Schricker
Virgil M. Simmons
Dick Heller
Earl Crawford
Thurman A. Gottschalk
George H. Newbauer

INDIANAPOLIS
Bluffton, Ind.
May 2 1938

Administrative Officer
V. M. Simmons

Dear Hermann:- Your letter and corrections of Apr.30 here O.K. I have read the letter but even looked at the corrections. I hasten to write you and I will write again when I get the correction in. I will go to them as soon as I write this, no I have some plants to identify. Nature Guide at Turkey Run sent them in about 30 and among them some Carex. I have not looked at them but the Carex must ride except I find one that looks like it needs a master hand. Otherwise I will tell him too busy to name Carex.

Yes I just got the Lindley Dictionary. This is fine and I plan to recommend it in the Flora. I will not bother you with the glossary of botanical terms. I tried my darrest to get a definition for linear and failed. I said it was narrow like the blade of grass (some grasses have wide leaves) and at least six times as long as wide. Authors say

with parallel sides but do not say how long. Neither does Lindley. Now how do you distinguish from oblong and linear except by multiplied lengths. An oblong must have the sides more or less parallel or it will become an ellipse. Well six times is about the right length. I say in the introduction in Glossary my definitions are those I assign them in the Flora and are presumed to define the term for other authors, etc.

Now as to the Ind. Acad. Sci. trip, I should be very glad to have you visit here but I see it going to cause trouble so I think it best to cancel it but in the event you can arrange I am open for last minute engagements. If I feel no worse I will start Thursday morning and then Friday morn I will try for the long snouted Carex architecta and get around to nigger legs lake. I know you will not want any more Carex but if I get some ones that are good may be you can name them for me at the last minute

Thanks for going over Coulter's Foreword.

Say I would like to write Bartlett about your going, if I had permission.

Now about the Solidago, please let that drop. I want nothing from Mains. I never did like him and the abortion to place him or any one like him at the head of the botanical museum. It is like the "tail wagging" the dog. That is what will ail New York Bot. Gard. in a few years. No use of considering all experience

was called out from here & I forgot what I had in mind

I note how busy you are and I do not see why you are any obligations OVER

to work up all the Mich Carex before you go. If they appreciated you so much they would not let you go. Work for Deam for nothing too and see where you get. Now I had planned to have you read the proof of the Flora and pay you regular rates.

Glad to learn of your find of Carex Woodii.

I will close. Wife is going up town so I can mail this. I want to stop the Solidagos from coming

Best wishes, I am sincerely yours,

Chas. C. Deam

Bluffton, Ind.

Digitized by Hunt Institute for Botanical Documentation

Monday night. May 2 1938

Dear Hermann:-Well I guess the "war is over". I have entered all the corrections and every thing now seems O.K.

This P.M. I went over the Turkey Run stuff. He had about 8 sheets of Carex. So far as I could make out only one was worth while and may be it was mine run. He did send me a poor series of immature Rudbeckia I did not know. New to Indiana I think. It is or must be a tall plant he got only 16 inches of it and belongs to the section Fulgidae New to Indiana I am sure. Doubtless we do have some of the southern mountain forms here in the valleys in Indiana. I told you I think we have *Thalictrum perelegans* now in Ind.

Did you note Hour Arnold Arboretum where three new names are proposed.

Well you speak of being swamped with work. Getting rid of me will certainly leave you a lot of time. I shall be sorry not to hear regularly from you, especially when you get to Wash and high-hat us hoosiers, etc.

Well I have the Ecological Glossary yet to write and when I do it I want you to criticise it. It will surely need it.

Best wishes, signing off,

Chas. C. Deam,
Bluffton, Ind.

P.S. When you decide on Ind. Acad. Trip let me know so I can reserve a room for you.

Deam

Ricerche Osserv. e Divulg. Fitopat. ... (464.9 P832) (cont.)
Trotter, A.

Contributi alla patologia del nocciuolo.
II. Ricerche ed osservazioni sull'aborto seminale.
Ricerche Osserv. e Divulg. Fitopat. Camp. ed
Mezzog. R. Osserv. Reg. Fitopat. Portici 6: 1-
70. illus., col.pl.i. 1937.

Trotter, A.

La lotta diretta contro le ruggini del frumento.
Ricerche Osserv. e Divulg. Fitopat. Camp. ed Mezzog.
R. Osserv. Reg. Fitopat. Portici 6: 103-107.
illus. 1937.

Trotter, A.

I trattamenti polverulenti contro la Peronospora della vite. Ricerche Osserv. e Divulg.
Fitopat. Camp. ed Mezzog. R. Osserv. Reg. Fitopat.
Portici 6: 108-110. 1937.

Roczn. Ochrony Rośl. [Annual Plant Prot.] (Bydgoszcz) (464.9 R59)
Barbacka, K.

Obecny stan badań nad szkodliwością guzowatości
drzew owocowych i jej zwalczaniem. Roczn. Ochrony
Rośl. [Annual Plant Prot.] 4(3): 125-128. 1937.

Present status of investigations of damages caused
by crown gall and its control.

Gorjaczkowski, W. & Zweigbaumówna, Z.

Zestawienie wyników zbiorowych doświadczeń ze
zwalczaniem struposza jabłoniowego (*Fusicladium
dendriticum* Fuck.), wykonanych przez Polskie stacje
ochrony roślin w latach 1933-1936. Roczn. Ochrony
Rośl. [Annual Plant Prot.] 4(3): 96-108. 1937.

Control of apple scab.

Kolowca, J.

Guzowatość korzeni i próby jej zwalczania.
Roczn. Ochrony Rośl. [Annual Plant Prot.] 4(3): 109-
124. 3 pl. 1937.

Control of crown gall.

Kurylo, A.

Odporność odmian na choroby w Świdwie doświadczeń
rolniczych zakładów doświadczalnych w roku
1934. Roczn. Ochrony Rośl. [Annual Plant Prot.]
4(3): 12-17. 1937.

Experiments on control of rusts & smuts.

Ralski, E.

Problem rdzy zbozowych w Polsce. Roczn.
Ochrony Rośl. [Annual Plant Prot.] 4(3): 1-6. 1937.

Problem of rust of grain in Poland.

All center heads are not punctuated. So I am deleting all periods at the end of all center heads. See Gray Man. Hitchcock Man. See G.P.O. rule 146. Might just as well be up to date. See all Contr. Nat. herb. late parts published. May be you like this

I do not but if the doctor says take it, be a good boy and open your mouth and swallow it, or am I off?

Note in subgenus Eu-Carex I asked you about preceding Style by a A or I. In looking at this again I find this is the only lead beginning with Style and I believe it is not necessary. People who try to name a Carex will be out of the 8th grade and if they know how to run a key from one lead to the other where there is no change to get lost, I do not believe it will be of value. Of course I would say use it if we had a lot more of such letters or figures in the key but since this is the only one I feel it quite unnecessary. I do not know how you feel about such crutches as the A. B. C. 1.2.3 etc. I have used a few in Aster where the leads are the same so often. If you say change so note it be

Latest Edition.

I have now decided this May 2, 4,00 P.M. to use lower case on no.vol.sec. That is uniform and seems to me to be sense. The Oct.1937 G.P.O. rule for Cap for No. I will ignore and in the Introduction say I use the G.P.O. Style Book 1935 which will let me out and also free my conscience What say ye?. I am no politician and say one thing and mean another etc.

Cooson, Ernest Saint Charles, and Germain de Saint Pierre, Ernest
You will find this on page 148 of Bibliographical Contributions of
Lloyd Library Vol.1. When I had I dug for myself

As to the Abbrev. of S. Amer. Cent. Amer. These are not counties but an aggregate of countries. I can not go this one. I note in Hitcock Grasses the names of the species in the keys are in small caps. is that the last I have not seen that in the G.P.O. I have not yet marked ours. In Contr. Nat. Herb. 1936 they use the regular type in

bold face for species in the key. Torrey Bull. use italics so will we. That seems to be the orthodox way and since the G.P.O. is of an on and have no decided way, it is not safe to follow them

I have left the Juncus seeds as you have it but I still think you are wet on this. Keep this in mind and investigate. As you have we have no distinction between one kind of seeds and many kind. Let us sign off since I have the last word.

That color problem again. In next to last Scientific American there was a learned article on colors and no hyphens were used any place. Now this is a leading magazine and a leading writer. I am inclined to follow. Little difference between a bright day and light-gray. One is a bright day and the other is a light gray and I can not see it any other way, since there is such a thing as light-gray. If there was a standard light gray then it would have to be hyphenated but since we have no standard colors let em be two words except where I cite Ridgway's color. I think this will be my final disposal of this problem.

Der Züchter (442.8 Z8) (cont.)

Vey, R. von

Entwicklung und stimulation. (concl.)

Der Züchter 9: 311-319. illus. D.1937. no.12.

Exp. Stat. Publ.

Pressley, E.H.

A study of the effect of pollen upon the length of cotton fibres. Arizona Agr. Exp. Stat. Bull. 70: 255-292. illus. S.15,1937. (100 Ar4)

Dungan, G.H., Snelling, R.O., Mumm, W.J., Bigger,

J.H. & Lang, A.L.

Illinois corn performance tests 1937.

Illinois Agr. Exp. Stat. Bull. 440: 351-395. Ja.1938. (100 I16S)

Kadow, K.J. & Anderson, H.W.

Damping-off control; an evaluation of seed and soil treatments. Illinois Agr. Exp. Stat. Bull. 439: 291-348. illus. N.1937. (100 I16S)

Kelley, V.M.

Growing fruit for home use. Illinois Agr. Exp. Stat. Circ. 432. 39 p. illus. D.1937. (100 I16S)

Person, L.H. & Edgerton, C.W.

The soil rot disease of sweet potatoes.

Louisiana Agr. Exp. Stat. Circ. 21. 7 p. illus. D.1937. (100 L93)

Hibbard, A.D.

Photoperiodism and enzyme activity in the soybean plant. Missouri Agr. Exp. Stat. Res. Bull. 271. 48 p. D.1937. (100 M693)

Black, L.

A study of potato yellow dwarf in New York. Cornell Agr. Exp. Stat. Mem. 209. 23 p. iv pl. on 2. N.1937. (100 N48C)

Williams, C.B., Buie, T.S. & Stacy, S.V.

Effects of superphosphate upon the yield and earliness in maturity of cotton. North Carolina Agr. Exp. Stat. Bull. 314. 32 p. N.1937. (100 N81)

Yes I found the excluded Junci.

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Svensk Bot. Tidskr. (450 Sv2)

Bergman, B.

Eine neue apomiktische Antennaria. Svensk Bot. Tidskr. 31: 391-394. illus. D.28,1937. no.4. A. magellanica.

Grapengiesser, S.

Den Ängermanländska vegetations-gränsen (A floral limit in Ängermanland). Svensk Bot. Tidskr. 31: 400-410. illus. D.28,1937. no.4. English summary.

Hylander, N. & Rothmaler, W.

Om *Aphanes microcarpa* (Boiss. et Reut.) Rothm., en hittills förbisedd Svensk Växt. och dess förhållande till *A. arvensis* L. (*Aphanes microcarpa* (Boiss. et Reut.) Rothm. in Schweden). Svensk Bot. Tidskr. 31: 411-424. illus.(incl.maps). D.28,1937. no.4. French summary.

Kiellander, C.L.

On the embryological basis of apomixis in *Poa palustris* L. Svensk Bot. Tidskr. 31: 425-429. D.28,1937. no.4.

Palm, E.E.

The "cracked skin" disease of the beet (*Beta vulgaris* L.) Svensk Bot. Tidskr. 31: 395-399. illus. D.28,1937. no.4. Possibly a virus disease.

Trab. Lab. Agr. Especial Fac. Agron. y Vet. Univ. Buenos Aires (S 38633)

Gruget, E.A. & Delgado, M.A.H.

Bibliografía sobre mani (*Arachis hypogaea* L.) Trab. Lab. Agr. Especial Fac. Agron. y Vet. Univ. Buenos Aires 1(12): 1-16. O.1937.

Minkevich, I.A.

Varietades de girasol y regiones de su cultivo en la U.S.S.R. Resultados fundamentales de la experimentación de variedades en los años 1932-1935. Leningrad, Academia Unificada de Ciencias rurales Lenin, Instituto Unido de Fitotecnia, 1936. 223 p. Trab. Lab. Agr. Especial Fac. Agron. y Vet. Univ. Buenos Aires 1(10): 2-7. S.1937. Resume del ruso por J. Bukevicius. Mimeographed.

Memo to Herman

I do not know what red tape you must go to get specimens out of your herb. But when you come down I would like to see your *Solidago ulmifolia* and *S. rugosa* of all forms.

I have forgotten if I told you how to distinguish *S. ulmifolia* from *S. rugosa*. Think I did. Well it works O.K. except for New England plants. New England *S. rugosa* var. *typica* a la Fernald *Rhodora* has long multicellular hairs on upper surface of leaves while ours have the short, stout conical simple trichome from an enlarged base. I have the Butler U. plants and all east of the Alleghenies have the multicellular hairs while all west, including 4 from Mich. and 3 from Que. and 1 from Ky all have the short hairs. I have studied these a good deal and I have the thing in mind and if not too much trouble I would like to see your specimens. Now I am convinced that Fernald has some other species tied up in his *rugosa* complex. The blades of his plants are not rugose in the degree ours are rugose. Well in my write up I discuss this a little and I will let you read it for approval. Just think of it in 3 weeks it will all be over. I hope I survive the ordeal. I am no good any more.

This man Friesner has brought up the *Acalypha* business and tomorrow I must go over that key again. You know if any one like Friesner stumbles in the key it must be revamped. Fact is that the *Acalypha* bunch and very well marked, too plastic to make a statement that will hold. I will try it again.

P.S. Last Thursday I went to Notre Dame. My *Thalictrum polygamum* are *T. marekianum*, *perelegans*. I plan also to recognize another of Greene's species, *T. amabilis*. Will show it to you when you come. I have 3 sheets of it.

- Sver. Utsädesför. Tidskr. (61.9 Sv23) (cont.)
Växtförädlingsarbeten och försök med lin, sojaböna, sötlupin och majs vid Sveriges utsädesförening, Svalöf. Sver. Utsädesför. Tidskr. 47: 431-435. 1937. no.6.
- Trans. Bot. Soc. Edinb. (451 Ed4T)
Cant, C.M.
Stem structure in the Maddenii series of Rhododendrons. Trans. Bot. Soc. Edinb. 32: 287-290. illus.,pl.ix. 1937. no.2.
- Dunn, M.D.
Notes on the flora of Loch Harray and Loch Stenness and a comparison with the brackish-water lochs of North Uist. Trans. Bot. Soc. Edinb. 32: 368-372. 1937. no.2.
- Gray, R.G.
Cork formation in Veronica lyallii. Trans. Bot. Soc. Edinb. 32: 362-367. illus. 1937. no.2.
- Johnson, T.
Notes on the tertiary flora of Scotland. Trans. Bot. Soc. Edinb. 32: 291-340. illus.,pl.x-xxii. 1937. no.2.
- Lunan, M.
Anatomical investigations on Ligusticum scoticum. Trans. Bot. Soc. Edinb. 32: 353-361. illus.,pl.xxv. 1937. no.2.
- Macdonald, J.A. & Russell, J.R.
Phomopsis scobina (Cke.) v. Höhn. and Phomopsis controversa (Sacc.) Trav. on ash. Trans. Bot. Soc. Edinb. 32: 341-352. pl.xxiii-xxiv. 1937. no.2.
On Fraxinus excelsior.
- Smith, E.P.
Nodal anatomy of some common trees. Trans. Bot. Soc. Edinb. 32: 260-277. illus. 1937. no.2.
- Taylor, R.A.
Studies on the genera Cytisus and Genista. Trans. Bot. Soc. Edinb. 32: 278-286. illus. 1937. no.2.
- Waterston, J.M.
A note on the association of a species of Phytophthora with a "die-back" disease of the raspberry. Trans. Bot. Soc. Edinb. 32: 251-259. illus.,pl.vii-viii. 1937. no.2.
Phytophthora of the cactorum-omnivora group.

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Repl. 4/30

Board

Governor M. Clifford Townsend
Lieut.-Gov. Henry F. Schriker
Virgil M. Simmons
Dick Heller
Earl Crawford
Thurman A. Gottschalk
George H. Newbauer

INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
April ~~May~~ 27 1938

Dear "ermann": Well it is nearly 4,00 P.M. I have just finished reading your Ms. And if I have missed any thing I could pick at I assure you I did not do it on purpose. The mill down here runs slowly but I try to make it grind fine

"ell your paper is sure a model and if I was an amateur I sure would want to get a copy of *Carex* and specialize on that genus. Your characters are so strong and the contrasts so many that it seems to me that any one could name his own *Carex*, Well dam you Deam do not send me any more than, so I hear Terman say. "ere is my plibi, you need duplicates and to get them you must purchase them by the price for naming???

Well when you have had the leisure to go over all my suggestions and have had sufficient time to elapse until your blood has cooled down write me and I will go over it again.

I dread to make final decisions on some things before I read my own Ms. over for the last itme.

Got a letter from Weatherby yesterday. Nothing go i terest you except probably Wearherby says *Solidago odora* O.K. e thinks that Mackenzie made it clear enough lor put enough doubt's into the case that we can go on calling it *S. odora* Ait.

F ernald cites *Soli dago, rugosa* var *celtdifolia* for Ind. and the report is based upon Bencke's plant collected in La Porte Co. Weatherby says *Solidago Shortii* is O.K.

Wife hollers she is ready to go, so I must sign off.

Sincerely yours,
Chas. C. Deam

STATE OF INDIANA
CONSERVATION DEPARTMENT
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Board

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Apr. 25 1938

B. Schum.

Dear Hermann:--The book came this morning and I am sold on it. I have ordered the 1937 and 1938 vols. Can not read them for sometime yet so I just return the one you sent. You may have learned ere this I am working on a brochure on the Flora of Indiana and I must hasten because I feel as if Father Time is dolling me up for a funeral. Then too it now seems as if I will get a chance to write the Chenopods. That man Just has not touched it yet. And as soon as I get my part of this job done I will call then Chenopods in.

Well Hermann I was shocked to learn your decision to go to Wash. I feel now as if I have lost my last friend. You get up there and mixed up with the high brows I will be easily outclassed. No matter, I will soon be out of the game.

Many thanks for the name and address of the Boreal Biota. I will order it. I had never heard of it.

Say now since you are to leave I must use you to the limit. Coulter is to write the Foreword to the Flora and he sent it in several weeks ago with instructions to use it the way I wish to. To eliminate or add to it. He said he laid off being personal, etc. I warned him not to puff me up, etc and it seems he has done too much of that. Wish you would read it and correct it to read O.K. I went thru it when I received it and deleted some parts of it. I do not wish to be puffed up too much. yesterday I turned down an offer to get the Honorary Doctor of Science from Huntington College, if you know what and where that is. I already have an honorary degree of that now. You know I just hate a uniform and I carry this to titles of all kinds. OVER

Well I guess I have nothing to write. As soon as I finish this I plan to read some of your manuscript

Mar 13-14 ?

Will going to Washington cancel your trip down here or do you know yet. I am hoping that Bartlett will come across and make you an offer so you will stick. When you go to Wash. and try to find a place to live with a family of children you will find it hard. So many "flats" will not rent to families with children. Well you have investigated all this in making your decision. The big idea is will it advance you in opportunities. There is no question you will have a larger circle of friends and "co-ops" ~~xxxx~~ and libraries, etc.

In your letter you did not comment upon B. D. Jackson's use of Leaf sheath as two words. I shall be glad to have your decision on this so I can enter any changes if necessary.

I am glad to see you comment on the English of botanical writers. The thing to do is to assemble a vocabulary of your own and stick to it. For example Harriet and I had a big fight on the use of "From a county" for a county and of a county and in. Personally I do not like ~~xxx~~ from a county I prefer reported "for Wells County". For carries or suggests possession and place. From a county, seems to me all wrong but I gave in because others use it, etc. You get me Al. I feel sure the U.S. style book will appear so obnoxious to you when once have used it. Well it is just like cooking. My God how the foreigners can eat onions in very thing they eat, soups, etc. it beyond me. But Hermann I do believe it will pay you to give this subject attention because no one does, or I mean the mine run does not. When once you have learned the English of botanical expression, doubtless the common run of papers will seem nostological. No matter. This is a subject you can continually work at. If you get any dope on any word or ~~pe~~positional phrase etc. that should be used let me know, more especially in this Carex business.

Well I will sign off. I am now caught up with correspondence and plants so I can get busy again. Best wishes, I am sincerely yours,

Chas. C. Deam.

Dear Hermann: I received a reply from Weatherby this morning via air mail. Doubtless he overlooked my letter. He will have my second one by now. I enclose the Worthy Herbarium cat. The prices are 15,40 for the thin and 23,10 for the thick. Not less than 1000 sheets sold. If you care you can tear out one sheet of each the light and heavy and return the rest.

I am now reading your Ms. and will stick until I am thru. I will send the sheets I have made so far. I am making such corrections as leaf sheats ² two words etc. on which you said it was O.K. I will say the Ms. is a fine piece of work you use phrases which are new to me and they seem awkward but doubtless O.^A. I just passed one, - Bract-sheaths. If I had been writing I would have said sheathing bracts but doubtless your way is as good or better, so it goes. You must never take all the "bull" out of a bulldog or he will be some other kind of a dog. I hasten to give you the Herbarium Dope. Your plan to move will alter some of your plans I presume. All I have to judge from is the experience of our son-in-law. They first lived at Ann Arbor and wanted me to buy them a \$6,500 house I said no, may they would move. Sure enough in a short time they went to New York and sold most of their furniture and shipped me 17 boxes of books they had taken from here, mostly zoology and many are in the attic yet not opened. Well at New York they paid 55-60 dollars for a kitchenette, bath; 2 bed rooms and parley. The idea of roomy houses is windows and doors, no place for book cases, etc. "hen we moved to Indpls I took with me 4 of my herb. cases and we had a hard job to find a house where we could place them. ^A result we found an old-fashioned house, etc. I have no idea what you will do with your collection and books. Well when our folks got tired of New York and got an offer to go to Okla, they just went, and sold all of their furniture, of course at a loss every time you move, well this is as Al Smith says your baby. Think if I send you a few sheets at a time you will not just blow up. Will send the remainder in a day or two because I plan to finish. Chas.C. ^{eam}

PLANT SCIENCE LITERATURE

SELECTED REFERENCES

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Vol.7, no.4.

January 24-29, 1938.

NOTICE

REQUESTS FOR THE LOAN OF PUBLICATIONS ENTERED IN THIS LIST WILL RECEIVE MORE PROMPT ATTENTION IF THE CALL NUMBERS FOLLOWING PERIODICAL GUIDES AND BOOK ENTRIES ARE ADDED. NONE OF THE PUBLICATIONS LISTED ARE AVAILABLE FOR DISTRIBUTION EXCEPT THOSE ISSUED BY THE U. S. DEPARTMENT OF AGRICULTURE.

Agr. et Elev. Congo Belge (26 Ag84)

Everaerts, E.

Aide-memoire pour la détermination des maladies et des ennemis des caféiers. E-F. Agr. et Elev. Congo Belge 12: 6-p. Ja.1938. no.1.

E. Dégât aux troncs et aux branches lignifiées.
F. Dégâts aux racines.

Ghesquiere, J.

Le folletage parasitaire ou pourriture blanche des racines du caféier. Agr. et Elev. Congo Belge 12: 3-4. Ja.1938. no.1.

Rigidoporus microporus (Fomes lignosus or F. semitostus).

Amer. Home (Garden City) (80 Am313)

McGovern, M.F.

All these ivies grow in my apartment. Amer. Home 19(3):45,7-9. illus. F.1938.

45 species and varieties exhibited at the 1937 International flower show, New York City.

Ann. Agr. Exp. Stat. Chosen (J107.6 C45A)

Sato, K.

On the root development of rice plant. Ann. Agr. Exp. Stat. Chosen 9: 357-378. illus., 6 pl. N.1937. no.3.
English summary.

Memos to Hermann.

Note Steyermark in Rhodora 40:178. 1938. Line 10 from bottom uses "glabrity", word novum, not in Webster, Jackson's Dict. In next line? he uses glabrous "condition". Last word poor diction.

es I have a good sheet of *Carex cumulata*. Thanks.

Say that "saw buck" for holding plants is no. good. While I was gone last week they cleaned my room and the woman who helped thought it was a stool and when she got on it, it flattened out. That is the way I found it but I got it fixed O.K. She said any one who made as flimsy stool as that ought to have it broke". Confirms the old adage: A place for every thing".

Just received Furtado's articles in Garden's Bull.

on Botanical Nomenclature, Types, Asterisks etc. If you have not seen it I will send it up. You can return it when you come down. I am just too busy to even look at it.

Was up to see Just yesterday. He looks bad. He is killing himself with over work. I see I will have to write the Chenopods. He has not touched them. He should try to get their herbarium in shape. I went up there yesterday especially to see see certain things and some he could not find. In haste. If you wish the Furtado Paper a card is all that is necessary

Sincerely Dear

Apr. 22 1938

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Apr. 18 1938.

Dear Hermann:-I have your letter containing Ms. suggestions. I sure am glad you did not just "blow up". I have no sense in knowing how to criticise. I am sorry I am not yet decided on some things which I will look up and decid upon later. At the present moment I am buried in work. Must attend a funeral this P.M. My gourd seed and goldenrod seed yet to plant and it is dry enough now to plant. Mrs. Winch crowding me for work. The changes in your Ms. can ride. I will go thru and make the corrections in punctuation, etc. and those we agree on and the mooted ones I will carry on.

Now as to perigenium you are quite right. Etymology of the word should have decided this question. Now on general principles I believe writers never give the attention to their English that I have always given. Not that I have written correctly, etc. but most people write correctly just thru sheer good sense while I have such a tortuous mind, even a series of good books on English can not keep me in the straight and narrow path. I have been studying these "English books" ever since I came out of college and in fact I have been a student of the dictionary all my life. Have always had an unabridged Webster or International or both. And the wonder is how I escaped getting more of the facts than I got. No matter. I believe if I were you I would make decisions on usage and then list these and follow them explicitly. I think when you read some of our brightest scientists you will find they have given correct English little or no attention. I regard A.C. Kinsey one of our leading scientific thinkers yet I find he hyphenates to the extreme and commits other errors. Now you mention following high grade botanists (good botanists but that is no guarantee that they are students of English. OVER

I recall that the Arena when it first came out was an excellent magazine and I subscribed for ^{it} about 25-30 years. Its motto was "Truth for authority and not authority for Truth". ^{es} We must pay attention to precedent, but we must not be too conservative. Some people with reputations are obsolete See dictionary. Some time you will find a word you use comes in the obsolete column. A shining example is Rhodora. I do not find any where, where a sentence in parenthesis has the period outside the parenthesis, always inside but Fernald always places it outside. I mentioned this to Weatherby and he was offended. They always had done it that way. Again in Rhodora on the inside of the volume you will find the month on the left hand page and year on right side. The vol. number on the left would serve some purpose. When you catalogue articles you have to turn to the first page ^{new} to find out volume, except you remember it. Too they still stick to the old Roman numerals in bibliography. Now I think Schramm and co-workers sure worked out a usable system in Biol. Abstracts as to bibliography and I am glad to see that Bot. Gaz. Amer. Jour Bot., Brooklyn Bot. Gardens, et al are following it. Our dictionary is full of obsolete words and the list needs to be longer. The two guiding principles should be interpretation and economy. Words are symbols for ideas and they should be handled to make the ideas as easily and correctly interpreted as possible. Now mentioning Fernald and Biol. Abstracts would suggest we have two schools in America. No, only one school but too many pupils yet in the primary grades and "too grown up" to know what it is all about. I see no objection to a young man like yourself with a good mind, not to pay some attention to "expression" of ideas. You can ride this to death but let this knowledge accumulate and never neglect it. By constant usage you can change your expression from dam it to darn it or some other word. You must be guarded. Did you ever know a very profane man who came in contact with a preacher. He changed his vocabulary and could do (eventually why not now) You have heard the story of the guy who was in jail in Kansas. His lawyer came and said "Why man they can't put you in jail". Well I have in mind the new fads the U.S. Style book "is using not suggesting". You may ob

object and rightly so but they go right on and use them and remember it usage that makes law and they are the biggest user of any one plant in the U.S. They publish much on botany and other sciences. The popularity (several editions) of the Wood brochure testifies to the popularity of the newer things. Last week I was at Butler and I took up with Friesner who is Editor of the Butler U. Bot. Studies. I called his attention to the U.S. Style Book and he had never heard of it, etc. He told me that he did not edit their Studies but that the University Editor did it all. So I firmly believe that very few botanists give adequate attention to expression. Many writers are neglecting that part of productions. Are our botanical editors competent to do editorial work? A good yard stick is the editors of Acad. Science reports. In Ind. we had such a mess of it. Now Weatherwax is editor and he is the best we have ever had and he is not perfect. Most ~~xxx~~ could do much better if they would (take time ~~xxxx~~) You mention a man to whom you plan to refer this mooted question. We often see men sitting in high positions who are too dogmatic and let their authority influence their progress. ^R Real live people, always on the firing line, like yourself are avis raris. It is your quiver attitude that attracts me. In you I see hopeful things. I see so many graduates of colleges, etc. whose diplomas read. This is evidence that F.J. Hermann has completed the course in U. of Mich and carries with it the permission to quit all study henceforth, Amen. If ^{you} should read this is in testimony that Hermann has completed the prescribed course and we have succeeded in pulling the scales from his eyes so from this one he can pursue the quest of knowledge. It is also hoped that financial or other conditions put a chesnut burr under him and make him hump

Last night I took time to look up the hyphen business. I have a dozen books on English, etc. I use Mawson's books much. You look in Mawson "Style-book for writers and editors. Read chapter on compounding words, pages 29-45 As to the comma before and in succession of 3 words see ditto book page 79, rule 2. Another high grade book on English is Fowler, Modern English It is an English publication but has a somewhat different slant on some things over

Now I am going to read your letter and bring it up to date. Have not heard from Weatherby yet.

Now as to leaf sheath. See B.D. Jackson's Glossary. He uses two words. By the way if you do not have the first ed. I will give you mine. I have both the first and second ed. The second ed. is just like the first but the additions are in the back, separate it so I think they are alike. I have credited the Jackson Dictionary ^{with the} ~~is~~ my best authority. Now as to a noun modifying a noun that is O.K. but the noun is used in an adjective sense. You can juggle words around any old way and I think it is orthodox grammar. "All we can fuss about that when you come down. In the event you think we will not make progress very fast, better come a day earlier. We must take this English business seriously but not enough to endanger our chances of the pearly gates. Too not to get peeved at each other, that would simply be childish. We surely are old enough to cuss and discuss things without ill effects.

Now I wish you would read Mawson on hyphens. If you have other good books read them. I think the hyphen is over done. The use of it to express color as light-gray, etc. I will investigate but I think a hyphen is wrong. Here again comes in my personality. Light-gray to me means something definite while light gray means any shade of gray but how are you to pin it on light-gray if Ridgway or no one has a standard light-gray. Then it has no more weight than if written in two words. After I have gone over this again and studied the dope on it and thought it over, I will write you my decision. Friday I was over to Lafayette and Mrs. ^{inch} and I had this up for discussion. She did most of the investigation here. She majored in English and had ^{lots} ~~lost~~ of time so I let her look things up and she made notes and she is strong for two words. She read many days out of my books and on the whole she is quite sensible in her conclusions.

You mention you get the Field Mus. Pub. Say you tell me of another guy who is getting all the taxonomic literature? Rich or poor? Ind. U. will never hear of them. Dr. Just and Friesner will. Wabash College dead. Take Schaffner et cohorts. Are they alive or etc.

I have had Fenneman's new book here a week and have not yet had time to look at it. Will let you know if of interest to you in particular

Forgot also to say that Fernald in his writings does not place comma before the and in sequecnce of 3 words. I think you will find the comma before the and, the rule.

Guess I am thru. I have just glanced thru your corrections and I find some very pleasing corrections or rather changes. I hope they please you as much as they do me. The word flaccid for weakly cellularly is find. Leaf-sheaths will let ride

Mawson makes one word out of words that take like. If you have his book or can borrow it. I shall be glad to send you up some of mine to go over It will not cost more than 10 cents. Let me know if I can send you a selection?

My Mawson was publised I think in 1926 and I bought it in 1928. He says tack like on without hyphen, so you see the U.S. Style book has not started any thing.

You know I am holding out on Caps for Proper specific names while the U.S. Style book lower cases em. Well I am licked because the U. S. Style book, and all biological sciences follow or preceded ^(botanists, some) them. We are holding out but on a losing fight.

I will make changes in Ms. and you take care of the duplicate or make memos on changes.

Well I see nothing else to fuss about, so I will sign off. I go to Notre Dame Thursday. Enough on hands now to keep me busy until that time and I may not be able to get back to reading your Ms. until middle of next week. Weatherwax's boy is labeling maps and I must get more names for him. I tell you boy to make the Ms., and names on maps agree is some task, one would not think so but I am so darn senile I can not do any thing right any more but fuss and I can not do a good job at that.

I do get some of the damdest letters. Just got two from the Ind. Soil man and one from the Secy. Cass County Historical Soc. These two guys are iⁿtersted in an Indian village that was destroyed in 1791.

They send me an ^{aerial} ~~aerial~~ photo of area and the Historical man writes 4 pages and among them he says he is a poor man, has no auto, ^{nu} phone, lives in a very poor house, and is nearly deaf. ^{He is probably OK} But he is very much interested in this defunct Indian Village and wishes me to go to Logansport and get him and we will look the thing over. Now is that not a good back ground, can you beat it. They want to know of me what kind of plants grew on the area, and the aerial photo shows all farm land except a few groves which doubtless have been grazed to below the surface.

"Well I see Rhodora has come in this mail. I will sign off, it (Rhodora) is always a prize package for me and I want to get into it.

Oh yes Hermann do not forget that May 13-14 trip. Time goes fast. Wish you would look the grounds over and if there is any thing in particular you besides the Vermillion County Carex actectica var ^{x C. pedunculata} let me know so I can plan trip. Of if you like I will try to think of some places to go. Trouble is that in two days you can not do much. I have an area in mind circa the McCormick Creek area that might have something. There was an area in south end of ~~xxxxxxx~~ ^{Parke} a mile ^{east} of Rosedale.

It was known as Niggerlegs Lake, about 40 acres? Now drained and farmed. at one side there is a "springy place" very small area, possibly 100 x 200 feet in which we might find some northern Carex. I found some northern plants in it. It would be right on our way to and from Vermillion. We can work out an itenary when you come but if it can be done in advance you would have some time to see some specimens here you might be interested in

Best wishes, keep in good humor if you can, forget and forgive,
I am sincerely yours,

Chas. C. ^Weam.

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STATE OF INDIANA
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Page 4/14

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INDIANAPOLIS

Bluffton, Ind.
Apr. 11 1938

Administrative Officer
V. M. Simmons

Dear Hermann: This P.M. I took time to begin to read your paper. Now I have criticised the Ms. very severely, if I applied the same force to my own look it would like it had the small pox. Your paper is exceedingly well written and would have few correction to make, would it not be for this trying to bring it "up to date" with Webster and U.S. Style Book. I am free to admit that few if any readers will appreciate the changes, except some will be "shocked" by laflike, bractlike, which both Webster and U.S. Style book sanction. Now as to your paper it makes no difference whether you adopt the style we are using. It is your paper and you have adopted the general style of the book but when it comes to the diction, expression, etc. that is your P I do not wish to take all the bull out of the bull dog. Now please do not get peeved at what I say, if I took time I could say it in another way but I say it raw. Now tomorrow I go to Indpls to check up the Butler U. herbarium items I have to go over. Thursday and Friday to Ind. U., DePauw, Wabash, and Purdue. By Sat. you may be able to have these notes back and I can go ahead and finish the job. You sure have an excellent paper and I now think I will again get interested in Carex and see what I can do with them.

Well now I have made no corrections. I have indicated the page and line and all you have to do is to O.K. my suggestion or just cross it out and that will settle it. It is your baby and I leave it all up to you. Now such as leaf ~~like~~ blades, two words, you should be consistent and make two words or hyphenate all. My suggestion is to follow Webster. In the preface I say I follow Webster, latest ed. Readers who are not up to date and do not care to be will be somewhat surprised to see leaflike, etc. OVER

as well as no period after decimal abbreviations. Now you just indicate on my notes and I will mend the Ms. so it will be O.K.

Think this is all. Got a letter from Weatherby today, just a friendship letter and he is at the National Herbarium for a week. So he has not received my letter asking about the Mfr. of the Mounting Paper of the eastern U.S.

Have you seen Fenneman's Physiography ~~xxxxxxixxxxx~~ price 6,50?

Yes Flora Hass, Flora Anderson are the same. She began to specialize on Carex. She brought a student up here with her one day and they went back and from the number of specimens in the Ind. U. herb. she must have given up the idea. Guess she had no idea how big the job was.

Thanks for naming this ju'k for me. I will try to get Mrs. Winch to stab all she can get on. Some counties doubtly now full.

Nothing new. Remember the Maine, -May 13-14.

By the way I got another hard luck story from Dr. Just today. Now I will confidently tell you I am going to plug along and when I get done and no Chenopods I am will go up and get them and do it myself. Of course I can not do as good a job as Just can but I might be able to equal other writers.

This Flora must go to the printer. I think I can get every thing I have to do done by June 1. Provided Bro Fernald et al do not give me a lot of revisions.

I am sincerely yours,

Chas. C. Deam,

Bluffton, Ind.

Recd. 4/10/38

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Apr. 4 1938

Dear Hermann:-The Ms. here O.K. Many thanks. I have not taken time to look at it, only a peep but it looks like 100% to me. Will look at later. Enclosed find one dollar for express and postage on the Ind. U. pkg, etc.

Glad to see Blake's letter. I have a half dozen sheets of the Eupatorium here which I will send him at once

Of course there was always a suspicion that the Eupatorium was a hybrid but I think it far better to name it and later when the hybrid origin is definitely settled one can validate the hybrid and give parents hypothetical. In a rough way it is *E. serotinum* except the sessile leaves. If I am ever in that place again I will cast some eyes about. Doubtless *E. perfoliatum* occurs there, here and there but as I now recall I never saw it but yet it may be there

Many, many thanks for going over the Solidago. I am glad you do not come right out and say a bum job. Glad you called my attention to the omission of *S. nemoralis* in the second lead, leaves not triple nerved. I also discovered another lead that had no opposing lead, so written but not intended as a lead.

I note in *Bartonia* no. 19:60. that Fernald was on the program of the Phil Acad. Science, Apr. 23, 1937 on Some problems in Solidago. Since he had the whole program he must have disclosed some of his black art on the genus. I wrote Weatherby recently that if Fernald adopted Holzinger's var. *S. missouriensis* based on fascicled axils to set it off, I regarded it with suspicion because *Solidago juncea* "it has the same things, some fascicled and some specimens not but no one has even made a form in this species" over

11
Say a fellow by name, Robert F. Martin, U.S. Dept. Agr. Bureau Plant Ind. writes me that he is writing an article on how to collect, dry and mount plants and he heard I was an expert, etc. Well I wrote him 11 pages and he comes back and asks for more dope. Lord but I did give it to him the first time. I told him when you see a man running in the wild with a tin can ^{Wed to him} he was marked at an Oh My, Sissy, or ignoramus collector. Pretty hard but those guys need waking up. You must not do that, but I can, I am a free lance. Well he ^a come back to me for more dope. Seems as if he never heard of the Riker press, etc. Well the base was hard to tell him how to make it, etc. so I took up town the one I used last winter in Flora, collapsible. I had a half dozen prints made and I send you one. Keep it and if you need more holler. I find the size I use just right and if interested in my measurements write me.

Well it took about two half days to write this fellow. This is what I call charity. May be if he published on the subject it will help some one. I do not know ^{who} this guy is. I see in Bull. Torrey Club, ^{Jan} last no. he published on Delphinium carolinianum and allies. He spells E.L. Greene name Green, page 29, Jan. number. Of course an oversight since he spells it O.K. elsewhere.

Well just this P.M. I wrestled again with this authority for names, etc again. Webster page 688 says dark-green, dark-blue, etc. hyphenates compound colors. Webster uses Leaflike, Tuliplike but Tulip Tree. I am assembling what I find and soon I will make a diligent search and then make a decision. At present I am comparing my list of plants with the Ms. Weatherwax is writing the names for the maps separatedly and cutting them out and pasting them on map. ^{do} an better job. I will be criticised for many things because I will not be along to explain. For example I sometimes give distribution of a forma with map. Sometimes a variety and other times pass them up. This depends upon my idea ^{if} of distribution shows zonal distribution, etc.

Hermann-3 I will read your letter and answer and later on tell you about Carex, etc.

As to Ind. Acad. trip try to arrange to come. O.K. with me to have the Alamazooe man meet us in Steuben Co or come clear down here, but pretty long trip and we may want to look up some items Sat. eve. You arrange affairs and I will drop in.

I am extremely sorry to see the turn of affairs. Will discuss this later.

I got Carpenter's book Saturday. Title "An Ecological Glossary" by J. Richard Carpenter. Pub. Okla U. Press, Norman, Okla. Price 4.00

I think it is a good thing. Nothing original but he has assembled all the darn names of ecologists and arranged them alphabetically and in most cases cites the definition by authors, that is defines the term in what ~~xxxx~~ authors have used it. It will serve a purpose for those who must translate some of the ecological articles

like Stanley Cain. In my judgment no science or any thing else has run riot like Ecology. When one of this genus sees a plant that is just outside of its habitat he gives this a new name, not appreciating he could express the idea with some monosyllabic adjective. Well I never attempt to read one of Cain's articles. In fact very few because ^{book} can not understand them. No sense in such mystical terms. Well I looked in to help me out in my definitions of pond, marsh, etc. and no help.

He does not list canal; quarry; gravel pit; Sand pit; but he does abbreviate St. Hilare as Ste. Hilare. This puzzled me at first. I had never seen this before. Idea came to me it was a female saint but my idea was a female before she became a saint became an angel Then I went to see if there was sex among angels but no data, neither did I find where a female ever rose to be a saint, etc. But at last I did find that Ste. is the French abbr. for the French Saint. Why Carpenter used this is beyond me but young people do queer things.

Ek is an enigma to me, I must leave off him. He is a hybrid and I let you suggest the hybrid origins. socialist, communist, lazy devil, et cet

Well we are soon due for an Rhodora. Wonder what it will have in store for me. I wrote Weatherby about a week ago. When he replies he will give us that name for Paper. Most of the items I wrote him about do not concern you but little things about the Flora.

I must revisit all the Terbaria before I close and I think I will go next week.

Well this man Dr. Just is as silent as the Pyramids. Can not hear from him. Now I will send on maps for Weatherwax. I sure want to have every thing in by June 1.

I have the Glossary to write and I have decided to make a separate title for definitions for habitats and in this I may deviate and discuss some of them as short as I can. If I can only call attention to the fact that need defining ^{then} I will accomplish something. My idea of a pond, etc. based on water supply does not seem to have attracted attention. Now for fear it will not receive any attention I think I should set out briefly if I can that the name applies to a habitat. Well when I get it done I want you to laugh and be as severe as you should be.

Well I sign off, with very best wishes. I know you now feel relieved of a great burden but I have not the least doubt but that your ^{Carex} paper is the best that has ever been written in U.S.

Probably you can arrange to have your 5,30 class on Thursday move about some way or take them on a field trip on Sat before or after in lieu of this lesson.

Sincerely yours,

Chas. C. Dean.

Recd 4/2/38

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
March 30 1938

Dear Hermann:- I have your letter of March 26 and I reply because I want to get this Solidago Ms. off to you for correction so I can get it typed. Will you please take the time to read and carve as circumstances move you to do.

Now my treatment may not suit you and reader can detect I am an amateur who does not know what it is all about but in that I have ample company. If you do not believe just lay ^{out,} in Sect. Euthamia, B. & B., Gray's Man., Friesner, Bush Euthamia of Mo., Small, Rydberg and see how one treats a species that the next will place in synonymy and vice versa. S.K. Harris has named all my specimens of this Section. He reduces Solidago media to a var. of S. graminifolia and treats Solidago remota likewise but he has not published on them so I must use Friesner's names. My belief is that there are too many species in this section. Harris has named one specimen collected by Gleason in n. Mich S. graminifolia var. typica and I have the same thing from Benton County and he calls it var. media. But he has one of my plants from La Porte County named S. graminifolia as var. typica that is plainly S. media or remota. S. remota is only a "runt specimen" of S. media. Nothing else. Now here is where I get some of my ideas. You recall I have Helianthus under cultivation. I placed a galvanized band about the colony. Plants soon began to crowd. Last year I had one plant 9 feet high with an inflorescence 2 feet long. In same colony there little spindling plants, simple, with one head. I know there are the same species. Now on of the big differences between media and remota is that in remota the lower branches are sterile and to me this means nothing else than nutrition or moisture. May be I am off. This section multiplies by division of rootstocks. Quite natural for vigorous rootstocks to have a more vigorous plants than small ones. OVER

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Well again I must use old name *S. glaberrima* for a certain group. Weatherby writes that Fernald is making it a var. of *missouriensis* var. Holzinger, see *Contr. Nat. Herb.* 1:208. About all that Holzinger says is that the axils have fascicled leaves. O.K. so long as it works. In *S. juncea* Ait we have a similar character. In this species many plants have axils fascicled but some without it the fascicles. So far as I know no one has tried to split the species on this character. Too this *Solidago missouriensis* is a dubious plant except you see the type and know the habits of the plant. Rydberg gives the range to the Northwest but overlooks the fact that Nuttall in original description says in Argk, and I have forgotten other state Nuttall mentions. What we need is more intensive study and try to see the types, etc. So with the Martens type of *S. glaberrima*. This should be run down. If I live long enough I will get some of this group here under cultivation.

Well in the write up I think I made one contribution. That is finding a character that separates *S. ulmifolia* and *S. rugosa*. In the event you have time I wish you would first familiarize yourself with the pubescence of upper surface of leaves of *S. ulmifolia* and then try my key on *S. rugosa*. I find that Friesner had some plants of *ulmifolia* named *rugosa* and vice versa. I believe my character fool proof.

I do hate to bother you with such a long bit of Ms. but when I tell this is all it may be cheering news. Oh no, I want you to read my glossary of habitat and ecological terms. It will be rich. Mr. Carpenter has just published a book on Ecological terms. He was here about 3-4 years ago. Stopped enroute to Europe. He had a Rhodes Scholarship. He is breaking into print early. The book is pub. by Okla. U. Press costs 4.00. Your library should get it at once. I ordered mine last Sunday and should be here this week.

I will write Weatherby yet today and ask him about the one who sells or makes the mounting paper. I seldom write Weatherby because I hate to bother him but now since this is supposed to be the last I can write. Every day or two some points come up that must be referred to the Supreme Court.

Hermann-3

As to the Florida Carex keep it all. I do not care to be bothered with it. Why not when you have ~~xxxx~~ the time to study them, write to the N.Y Garden for the loan of their SE, U.s. specimens of the section. May there is at hand ample material to settle the matter if not, then we will have to dig into it and get it.

Just got a letter this morning in which Donovan Correll ^{of Duke U.} says he and wife plan to be in the field most of the summer, especially in Louisiana. Think he wrote me sometime ago he was interested in Carex. If you wish some from that area may be can get a few. *He goes first to N. Florida*

Glad to hear from the Chic Acad. Science. Can you not weave that data search made into the Ms. To show that diligent has been to validate all reports, etc.

Well about the best item in your letter was there is a possibility of you coming down for the Acad. meet. No papers, probably some one will discuss the proposed collecting area to be gone over but it will be at night. We would not be bound to attend or go any place. You get here and we would get back Sat. night and Sunday we would go to northern Ind.

You get here Thursday night and leave your car and takes ours and Friday morn we will start and take in the Vermilion county Carex and get over to McCormick Creek for the night (Friday) or now you just arrange trip to suit yourself. You drive after you meet me. Your money no good after you get here. If you like we might try for the Carex cumulata in Newton but I think it too early for it. Could show you Mysurus minimus

Well plenty of time to make final arrangements. It is all up to you I am going and I can start any time, a day or two early and stay as long as I like

Well wife is waiting for me to close this. She will mail it at once so it will be grinding.

Sincerely yours,

Chas. C. Deam

Rec'd 3/26

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Bluffton, Ind.
March 24 1938

Dear Hermann:- Well the worst has come. Just got a letter from Weatherwax
You he writes they have at I.U. 100 sheets Carex, 25 Juncus and 4 Luzula.
He said he laid them out for you and will send them on at once as soon
as he hears from you. Now this is terrible. At one time Mrs. Hass had
planned to specialize in Carex and she and students did some collecting.
I admit this will add little to the data already at hand but if you will
go over the stuff, I wish you would. I would not waste any time on
immature stuff, Just mark it immature and return it.

Say Weatherwax also said the spring meet of Acad. was to be held at
Clifty Falls May 14. So if I am able to go I will start early the day
before and try to rediscover the Carex arctitecta ~~subarctica~~ ^{subtilirostris} in Vermillion
County. In the event I find it shall I dig it for you. I found it on May 5
and May 14 might be O.K. although this is a very forward spring so far.
About two weeks in advance. I noted my Dirca palustris just yellow with
bloom today. Say may be you will be glad to attend the Spring Meet. If
so come.

This is not an answer to your letter. Say that freak of a Frank
Gates. He sent me a copy of Grasses "in" Kansas and I asked if he could
not send me one in cloth. He said yes if I would send him mine. I paid 2,00
for a copy and sent it to him. I enclose you his letter which return. In my letter to
him I complimented ^{him} in many sentences on his grasses but I said I regretted
he lower cased ^{Proper} ~~Proper~~ nouns in violation of Int. Rules. Get his reply to
that. His cloth bound copy has the name of the grasses on first page. just as
if it was to lie upon the "front room table like a bible", etc. Oosh he is
just too uncouth for common consumption and I hope, in the future I can
can successfully detour him. I do hope no one in this world holds me like I
do him. Feeling rotten today. Sincerely yours, Chas. C. Deam *over*

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Write me and not to Weatherwax. O K. if you wish to write him but I thought I would save you the trouble.

Deam

Say I will send you the twelve Dollars after Apr. 1. I have no money at hand & I do not want Mrs. Toknow at No. Dept. of Botany paid the bill.

Digitized by Hunt Institute for Botanical Documentation

Recd. 3/20

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Indianapolis
Bluffton, Ind.
March 11 1938

Dear Hermann: I have just had an acknowledgement from Jas. McFarlin of Highland Park Florida. I had it in mind to write you about him. ^{maybe} ~~by~~ me I did. I plan to take carbon copy of your letters so I will not repeat so often. I met him in Florida and he seems to be a fine fellow. He said he knew you and was a graduate of U.Mich. and was trying for his P.H.D. He has written a flora of Polk County Fla. with an annotated list of the plants found in the county. From what I gleaned from him (I hear so poorly) they are refusing to give him a degree on his work. "hat sort of a ~~kind~~ chap is he? ^{never} Of course I will never have any dealings with him and probably will see him again. This is just curiosity.

Say ^e just finished Rhodora for March and I have the Stayermark transfers I find I am again in deep water. In the Flora I use Rorippa and Armoracea I followed Wiegand (Rhodora 27:186. 1925.) The same as in Cayuga Flora. Fernald in Rhodora 39:332 uses Rorippa aquatica. I am also following Wiegand in using Nasturtium. as a genus. Now I will tell you why I followed him. Now this character may be ethereal in the phylogony of the genus Rorippa ^{of} the Crucifera family. The color ^{is} of the flower in Crucifera so far as I know is a fixed character. None of our genera have both white and yellow flowers except Rorippa if you include ^{is} Nasturtium, aquatica, and horse radish. To first divide the genera into white and yellow flowered plants is sure a good and easy way to divide them. Greene stresses this. I hate so many small genera but I feel like letting it go as I have it. What say ye??? ^{Yes} I can easily put Armoracea 2 sp. and Nasturtium into Rorippa. I will have to rework my Generic Key as well as that of Rorippa. OVER

I have very little to write, so I thought you could add this to your first letter. I copy a few of Steyermark's errors??? or what nots. When you write you can question him. I do not care to be his correspondent. If he is a Jew and he acts the part, I do not think I am in his class. Too I plan to retire soon to do nothing but pull weeds and keep up the fire.

Best wishes, I am sincerely yours,

Chas. C. Deam

P.S. "ell the publication of your paper in Rhodora is another of my worries off mind.

How much did Fernald charge you for it? The FLora is coming now. I have every thing up except the Solidago. Wrote Just Mch 2 and no word from him yet. He is the one who is going now to hold up the works.

In your write up of Carex, etc. please cite all new published forms.

Deam

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INDIANAPOLIS

Bluffton, Ind.
March 6 1938

Administrative Officer
V. M. Simmons

Dear Hermann:—Your exceedingly interesting letter of Mch 3 was duly received. I think you are the only taxonomic friend I have. Weatherby is O.K., in that he answered my queries. Others are in the "~~xxxx~~ prep" school and have not yet learned there is such an animal as nomenclature. Gates wrote me that he had cloth bound ^{of} Grasses in Kansas and he would exchange a copy of Ind. Grasses which he did not have.

Well I finished Anacardaceae today. I kept all Ind. species in genus Rhus. ^{had to re-write it} Probably should have followed Barclay and others in recognizing Toxicodendron. Since I do not pretend to write a highly technical book but a usable one I believe it will serve best to present all our species under Rhus. I had to make room for Barclay's Rhus pulvinata (R. glabra x R. typhina), and his R. glabra var. borealis. To me this is a dubious form and needs additional study.

^{John} I will take up letter as I read it and answer the points you bring up many of which I wish to thank you. Yes I am interested in nomenclature up to the last minute and in the highest degree. You can not dodge nomenclature. It is only evidence of ignorance or cowardice to pass it up. It is a thing that must come to the top.

Sisymbrium Thalinianum (L.) J. Gay (Dean Flora.
ditto (Wiegand's Flora) and Gray's Man.

I did not take this name up with Weatherby. I preferred to leave it in Symbrium rather than make another genus. I do not have the Pflanzenreich, but doubtless you have and you might see what Schulz calls it. Guess I will let it go as in Gray's Man. I have no literature on this species

Silene Cucubalus Wibel. In my Literature Catalogue I refer to Sprague: Changes name of S. latifolia to S. Cucubalus. Kew Bull. 1933:152- but I not find this publication here. I have no idea where I got it. In Kew Bull 1934 it used as a valid name. I can not tell you how I got this name. ^{over}

Cubellium & Hybanthus

Weatherby's reply, May 12 1930

"Matter of segregation. Some authors regard our plant as different from Hybanthus elsewhere. In that case Cubellium is correct. In the Manual it was regarded as belonging to the same genus"
Torre & arms give it as Hybanthus. 50 spe. over the tropical world.

Erechtites. Yes I have had "ernald's split up under observation. Here is authority??? from Deam Flora. Varieties have been described, but my studies convince me that ours is a polymorphic species. I have seen the form with reduced upper leaves growing close beside a specimen which had long leaves up to the inflorescence. In the same colony leaves may be found with their bases clasping or not clasping. Individuals with the upper leaves reduced are the common form, and those with the upper leaves not reduced are ~~xxxxxxxx~~less frequent. I recall I found a large colony where two brush piles had been burned, probably 2 years before. In this colony I found all sizes, and forms. Where the ashes were the thickest and thinner made a difference. There may be a genetic line and it may be a soil response I do not know. So I just ~~did not~~ ^{gave} reference to "ernald's article. Guess I had better drop it in ~~after name so that if any one~~ ^{Share it as *trifurcatus* of *gambis*} wishes to follow it up he can find it. By the way I found two Erechtites in Florida. One very pubescent. Do you think I should recognize Fernald's forms??? When are you coming down here to check up on my stuff?? If soon I had better make some memos.

P.S. I have just gone over all my Erechtites and I find that Pennell in 1929 went over mine up to that date and he called some the species and some var. *seminuda* (Borg.) Penn. I do not find this name. I do not know what it means. At first I thought it meant the plants with diminishing leaves but it must mean the plants that are ~~smex~~ with leaves subsessile above and petioled below. No matter. I have dug up my two Florida plants and I find one our typical plant and one very pubescent. I have one from Mass. equally as pubescent but Ind. ones glabrous or nearly so. Guess unless you get more dope on the genus I will let it ride.

Memo to Hermann

Presume you have a copy of Gates Grasses in Kansas.

I do not like in Kansas. I would use the possessive "of "

Yes I have Cory Catalogue of Flora of Texas. This is fine. We can check on it for distribution but then here comes up the question if true or not. Gray's Man. may say Texas and have a specimen. Cory may overlook it and omit it. Likewise Small's Flora my credit Texas and Cory omit I think in such cases the range Tex should be followed by author as Tex.(Small);Tex.(Gray Man.)

Fernald has seen my 1496 of Kriebel from Lawrence County which you named Scirpus Eriophorum and he O.K. your determination. You may recall I doubted your det. because S.Eriophorum is supposed to be a coastal plain species.

Weatherby took with him some of my specimens and among them he has S Eriophorum from Jefferson; Lawrence (Kriebels and my specimen) Switzerland, and Warrick.) When I go over all my specimens in the

"New Light" I may find more.

Found none

V.3, no.5, p.11.

Farming So. Africa (Pretoria) (24So842)

Evans, I.B.P.

Plant pests and diseases. In Pasture research and crop production, Annual report of the division of plant industry, Department of agriculture, South Africa. Farming So. Africa 10: 555-560. D. 1935. no.117.

Fertiliser (London) (57.8F413)

Corrie, F. E.

Simplified manuring. Fertiliser (London)

21: 37-38. Ja.15, 1936. no.2.

Flor. Exch. (N.Y.) (80F666)

Van Melle, P. J.

Seeking out the best ... 17, *Leucojum vernum* and *Scilla "chinensis"*. Flor. Exch. 86(4):17. illus. Ja.25, 1936.

Gard. Chron. (London) (80G162)

Balls, E. K.

Eight thousand miles of travel in Anatolia. Gard. Chron. III, 99: 14-15, 29-30. Ja.4,11, 1936. no.2558, 2559.

Bancroft, H.

Memo to Hermann

Steyermark: *Rhus canadensis* var. *serotina*.

Weatherby told me to use *Rhus aromatica* Ait. *Later born, Miller's earlier*

Rorippa aquatica

Fernald uses Palmer & S. new comb *Rhodora* 39:332 but spells name with 2-ps
Why does Steyermark use one p., *Rhodora* 40:132?

Solidago nemoralis var. *longipetiolata* (Mack. & Bush) P. & Stey.
page. 133.

Steyermark should see *Rhodora* 38:226 where Fernald made

S. nemoralis var. *decemflora* (DC)

I am using Fernald's name. Fernald saw a lot of my plants and
so named em.

- Nature (London) (472 N21)
Weiss, J.
Mechanism of propagation of electronic excitation energy, and photosynthesis in plants. Nature 141: 248-249. F.5,1938. no.3562.
- Nature Mag. (Washington) (409.6 N214)
Bloch, D.
Fighting for the elm. Nature Mag. 31: 173-174. illus. Mr.1938. no.3.
- Shelton, C.
To the land of the cirio where a "forest" of strange plants dwells in isolation. Nature Mag. 31: 136-140. illus. Mr.1938. no.3.
Idria columnaris, i.e. *Fouquieria columnaria*.
- Naturforsch. (Berlin) (410 N219)
Lehmann, E.
Der schwarzzrost und die berberitzenfrage. Naturforsch. 14: 345-348. F.1938. no.11.
- Oil and Soap (Chicago) (307.8 J82)
Earle, F.R. & Milner, R.T.
The occurrence of phosphorus in soybeans. Oil & Soap (Chicago) 15: 41-42. F.1938. no.2.
- Pacific Rural Press (San Francisco) (6 P112)
Hoagland, D.R.
Growing plants without soil. Pacific Rural Press 135: 208. F.19,1938. no.8.
- Parks & Recreation (Rockford, Ill.) (98.8 P23)
Baxter, S.N.
Meet the world's largest tree. Some horticultural observations of a visit to Mexico. Parks & Recreation 21: 237-243. illus. F.1938. no.6.
Toxodium mucronatum near Santa Maria del Tule.
- Poona Agr. Coll. Mag. (22 F79)
Varada Rajan, B.S.
Disease resistance in plants. Poona Agr. Coll. Mag. 29: 93-101. D.1937. no.3.
- Proc. Biol. Soc. Washington (500 W272)
Blake, S.F.
Two new Asteraceae from the Charleston mountains, Nevada. Proc. Biol. Soc. Washington 51: 7-10. F.18,1938.
Antennaria soliceps, *Cirsium clokeyi*.

Hermann-3

As to Pyrola chlorantha will say I have never collected it. There is a specimen at Notre Dame (but my recollection is that it is a Laf specimen. One specimen at DePauw collected in think by Hill in Lake. County. I have made a memo to check both these.

No I did not follow Hopkins in key to Arabis. Thanks for calling my attention to error.

As to position at Washington. This is your baby but if it was mine they could have it. Here by intrigues you can have some freedom, etc. but at Wash. you are a cog in a great big machine. You may be assigned a job to your liking or not, etc. Then living there is expensive and while on the surface you would all kinds of experiences and freedom while in fact your shut in unless you have time and money. My advice is to stick to Mich, if you can make it. In due time write a Flora of Mich. This work will necessitate a careful scrutiny of your flora which will probably necessitate revisions which you can publish, etc. When you have a few first and second class funerals you will get a better salary, etc. Then there is the education of your children which I think can be done better at Mich. You do as you think best. But it might be wise to use the offer as a pry to get a better salary. If you are to do taxonomic work altogether it might be different but for day after day to determine fragments of what some cow boy or others send in would get monotonous. Then I would not have a darn friend left

Ray J. Davis, not a member of Bot. Soc. of Amer, not a Mem. of Taxonomy ec. It takes more than enthusiasm to write a Flora of a State. May be he plans to write one like I am doing, get the hard places taken by authorities.

I did not pay any attention to Juncus utahensis, out of my territory. Gosh some pseudo taxonomists have no idea how big the world is. I have been up against it now for at least 25 years and I am just getting a peep in.

By the way, when we expect your paper in Rhodora. It will be needed before the book is finished. All I now have is to look at Rudbeckia hirta again and finish Solidago and my writing is done. After all is done I must read the Ms. to get some changes I wish to make

Thanks, wife has marked a few seed she wants. List enclosed

This is from your last letter. I note what you say about Antennaria. I thought Stebbins was O.K. on that. I heard him give his paper a few years ago and discuss it. He impressed me as a fellow who knows his job. He is a real cigarette fiend.

The reference to A. fallax var. calophylla (Greene) Fern is in Rhodora 38:230. 1936

On Florida trip I found two very immature Junci but I took them, hoping you might be able to use them. If not no loss. Too I found a fine lot of Sagittaria latifolia (????) In full fruit. I am going to look at it when I finish this letter. I looked at it in Florida and it not orthodox at all I have several find specimens. If you wish one, say so. Did I tell you I got a single Carex which is for you.

Well let me hear from from time to time. I want to keep in touch with one live one. Best wishes, I am sincerely yours,

Chas. C. Deam

Such to collect about it. I'll come to you with it. Write Davis of my plan. Write Davis of my plan. Write Davis of my plan. Write Davis of my plan. Write Davis of my plan.

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INDIANAPOLIS

Bluffton, Ind.
Feb. 25 1938

Administrative Officer
V. M. Simmons

Dear Hermann:—^S seem regular to get a letter from you. I did not write a letter ^{while} ~~while~~ I was gone. I should have sent you the name of the hypnotic but just neglected it. Please pardon me.

The hypnotic is called Bromidia. It comes in 4 oz bottles and costs wholesale 85 cents I believe. Will probably retail at 1,25 to 1,50 per bottle. You can buy it by the ounce and they will probably charge you about 35 cents per ounce for it. Dose is ^{one} 1 teaspoonful in a full glass of water. I put it in h lf glass of water and drink that and follow with a half glass full of fresh water. The taste is not to my liking. The action is quick, probably 10-20 minutes. so take it upon retiring for the night. It will last about 6-8 hours and leaves no bad effect. However, do not become an addict. The principal ingredient is chloral. I do not know your pharmacy laws in Michigan. You may have to get a prescription to buy it. Now I am no authority on the subject but I talked the matter over with my doctor here and he uses it himself. I have sold it for 25 years and never had any one to become to its use. ^{addict} I use on the average about 4 oz in a month and as soon as I get from under this stree^d will leave it off altogether. In the event the first does is not effective in an hour take a ~~s~~ second dose but I never take more than one dose.

Well I might just as well burden you with a little gossip now as later on and to be frank with you, you are the only victim of gossiping. ^e Have Hermann when I visit other "botanists" and talk to them I congratulate myself that I am not as they are. On this trip I met A.J. Grout, bryologist, at his home in Manatee, Florida. I asked him about "rules of writing" OVER

and the subject was a new one to him. I also met Wm. A. Murrill, of University of Florida, mycologist. I did not know he was down there but I find out that he has been there for 10 years. Do not know why he left N.Y. Bot. Garden, except he was kicked out. I tried to discuss "rules and style books" with him and he did not even know of the Int. Rules of Botany. He said he just wrote the best he could. You know he was at one time editor of Mycologia. "y God these men are fossilized. I had all P.M. to visit with him but he knew too little to fool with him except historical information he had. here I was not in his class because I did not know the history of the the N.Y. Garden, etc.

I had a letter from the Waverly Press and the Editor said he did not at all agree with the U.S. Style Book, especially in dropping periods after metric system abbreviations. He agreed that the University of Chicago Style Manual was good but did not agree in lower casing counties in the plural. (*We will use caps now for plural*)

I have written for the Wistar Institute Style Manual and I will see if they shed any light.

Now here is the summation of all this style business. We have the progressives and the conservatives. No change is introduced except it meets opposition. Changes may be classified in the gross as economic and for uniformity, such as the reduction of the cap. for proper nouns. This change meets violent opposition in that it contradicts well established rules of spelling. The dropping of periods after mm. cm. etc. violates the well established rule of all abbreviations must be followed by a period. So you see the "Style" book is well named. Some of the changes have been made seemingly without authority but in the name of "Style" and the boops like myself and women in adopting the latest in wearing apparel "follow the style". The fact is Hermann that there are good arguments on both sides and life is too short to get peeved about it. I prefer to be "up to date" but I do not like to have a lunatic as my leader. In my search among botanists etc about this matter I have been sorely disappointed in that so few writers

even consider the subject. In writing it is my conviction that you must first have something to write about and when you have decided to present your idea to the ^{world} word, then it becomes obligatory on you to present it in the very best fashion possible. Enough of this.

"Well when I got home I had a few arm loads of magazines, etc. I have not gone over them yet but I do find one change in nomenclature you will be interested in and I give it you because it might be overlooked by you. See Jour Arnold Arboretum 19:74.1938. Aronia floribunda, -Aronia atropurpurea becomes Aronia prunifolia (Marsh.) Rehder. I have read the original description in Marshall Arbustum and I think ^{pg 90} Rehder is correct. Marshall describes it and then adds there is a similar plant but only about half as high with larger fruit so I think Rehder is O.K.

I have the Rudbeckia back from Gray Herb, etc. but I have not yet even opened the boxes. No letter from Dr Just.

I got a letter from Harriet again and she says you named some Carex for Indiana U. We will let this drop and I will go down there soon since I have some other things to look up at all herbaria.

Now I plan to push to conclusion this Flora. I think I now have all the material here at hands so I can finish. Barclay sent back the Rhus and here is hoping Dr. Just will not delay matters.

I will ^{soon} sign off. I have your letters here you sent me and if they contain any thing needing reply I will make a note and include in my next letter. I want to get this off in this mail.

By the way, I have laid awake last night. The politicians want me to be represented in the Indiana Review. This is a book blowing up the State Officers, etc. They have been at me to have a write up (no cost to me) but I have just decided not to be seen in their company. Hermann I am so sore on political banditry that I fear I am not reasonable. At any rate I have a real job in the Flora and if it is not a monument to me, then I will not have any.

Sincerely yours, Chas. C. Veam.

✓ Add doubt to all botanical names

Hermann writes and asks if *Carex disperma* was stabbed for Putnam Co., - No
Carex Bicknellii for Gibson, No. See if we
have specimens

~~Show him Mrs. Chase letter.~~

~~Can a type be used in index for excluded species~~

Show him Pokagon *Carya*

Reprints from publications not yet rec'd or not available.

Porsild, A.E.

Flora of the Northwest territories. Reprinted
from Canada's Western northland, p.130-141. Ottawa,
1937. (454.46 P82F)

Non-current indexing.

Austral. Forestry (99.8 Au74)

Burbidge, N.T.

Root development in *Pinus pinaster* and the
seasonal variation of its mycorrhizae. Austral.
Forestry 1(1): 33-40. illus. Jo.1936.

Jacobs, M.R.

The effect of wind on trees. Austral. Forestry
1(2): 25-32. D.1936.

Jacobs, M.R.

The primary and secondary leaf-bearing systems
of the eucalypts. Austral. Forestry 1(2): 54-56.
D.1936.

Tamblyn, N.

Decay in timber with special reference to
Jarrah (*Eucalyptus marginata* Sm.) Austral.
Forestry 2(1): 6-13. 2 pl. Jo.1937.

Biodynamica (Normandy, Mo.) (442.8 B5223)

Baur, E. & Borsdyko, S.

Mutations and the structure of living matter.
Biodynamica (Normandy, Mo.) no.14. 8 p. Mr.1936.

Memos for Hermann's Visit

✓ Go over Luzula maps with Hermann

~~Discuss Tovara & Polygonum dumetorum~~

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~~Discuss color bases of Carex Careyana, et al.~~

~~Fix up kind of type in Juncus paper for Sections~~

Juncus , line 18 of page 2, one-fourth not hyphenated, line next to last one-third is hyphenated. Not changed as yet on Ms

V.6, no.20, p.22.

New books (cont.)

Tillet, M.

Dissertation on the cause of the corruption
and smutting of the kernels of wheat in the
head and on the means of preventing these un-
toward circumstances... Bordeaux, 1755. Transl.
from the French by H. B. Humphrey. 189 p.
Ithaca, American phytopathological society, 1937.
(Phytopathological classics no.5) (464.02 T46D)

Wenholz, H.

The improvement of Australian wheat

Memo for Deam-Hermann tete-tete

~~Work over Scirpus-debilis-Smithii complex~~

Work over Ranunculus septentrionalis-hispidus-complex

Pilea

Sagittaria brevirostra,

See Rhodora 38:74.1936

forms of *S. cuneata* and if I have any of them
Engelmanniana J.G.Sm, dilatata.

~~Lespedeza violacea and key to the same~~

Polygonum dumetorum

Alisma subcordatum var. brevipes.

Galium circaezans, look over mine for vars.

~~Show Mrs. Chases letter~~

Rhus hirta-glabra-complex

Work over genus Rosa

Show him Solidago Deamii & Gilmani

Discuss a half one half, one-half, etc

~~Show him Jennings Co, Sedge.~~

PLANT SCIENCE LITERATURE

SELECTED REFERENCES

COMPILED BY THE LIBRARY STAFF OF THE BUREAU OF PLANT INDUSTRY
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Vol. 6, no. 10.

September 7-11, 1937.

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Årsmeld. Norges Landbrukshøiskoles Åkervekstforsøk (Oslo) (104 N83A)
Lunden, A.P.

Arvelighetsundersøkelser i potet (Inheritance studies in the potato). Årsmeld. Norges Landbrukshøiskoles Åkervekstforsøk 46(1934/35): 1-156. 1937.

English summary.

Vik, K.

Høstetidsforsøk med vårhvete (Experiments in harvesting spring wheat in different ripening stages). Årsmeld. Norges Landbrukshøiskoles Åkervekstforsøk 46(1934/35): 157-173. 1937.

English summary.

Acta Hort. Berg. (Stockholm) (451 Sw3)

Fagerlind, F.

Embryologische, zytologische und bestäubungs-experimentelle studien in der familien Rubiaceae nebst bemerkungen über einige polyploiditätsprobleme. (Embryological, cytological and pollination experimental studies within the family Rubiaceae and the elucidation of some polyploidy problems). Acta Hort. Berg 11: 195-470. illus. 1937. no.9.

English summary.

Fort Myers Fla Feb 7, 1935

Dear Hermann, your letter of Feb. 1 was received a few days ago but I did not have time to answer + I can scarcely write with a pen my fingers cramp!

Yes I received your other letter

I am sorry to learn you have been sick again. You must slow down + build up more resistance.

I worked for hours yesterday so I am layin' off this am to rest. we went all day 9⁰⁰ am - 5⁰⁰ took orange for lunch. I got 28 species + I take 1 sheet of each + in a few instances 2-3, at night I try to identify, or more. Small's flora is so puny. I swear all the time - I learn Dr. Small died recently, maybe it was you who informed me.

as to the *Nasturtium*, my recollection is I used *Stact. officinale* I will look this up when I get home.

Thanks for calling my attention *Chromola botanica* - with one foot in the future, useful for me to try to connect with up to date. When the flora is off press, I am there

We found *Rudbeckia divergens* more frequently + I now have a snoot full of it + can recognize it. We do not have it in Ind.

Thanks for explaining I think for the third time the biomass, *cybernetics* I will make a list of these words for our use in prof reading. When do so I will send the list for approval.

Now you + I agree on in everything except the case of *lyphew*. The example *cutleaf* - one word, used as an adjective seems OK to me while *cut-leaved* seems more like an abortion. One now analyze *cut-leaved Rudbeckia*. Here it is an adjective. You use 2 words to express the idea, if you used *cut-leaf* it would be better, but *cut* as it would stand alone is indefinite + when joined to *leaved* you get the cue. *cut* can be adj. noun or verb, *leaved* is a word hard for me to swallow. It seems to be "perfect participles in form", gerundios in Latin. I think I shall modernize + use *cutleaf* as "Plant Names" have set the pace in a reform I think is OK, as I see it *cut-leaved* over

is not a common name, It is so used because some early botanical writer so used it. Gray man has few common names, but Britton went Gray man better by assigning a common name to each species, which I approve because the latter clamor for a common name. But if experience in efficiency & economy suggest a change in a name, I see no reason, if the premise is valid not ~~to~~ to make a change. I am aware it is hard to live down a reputation or reform the lower strata of society. Standardized Plant Names, which the Gov. Style Man has adopted is an early & honest attempt to make these changes. It is to be noted that our largest commercial nurseries have adopted it. As to the English adhering to Beetham & Hooker, etc. I can say at so long a range & look of books, but I think Beetham & Hooker were pioneers in new names & it will be centuries before the English people will change - this still spell Honor - Honour, Colour, etc. I am a real progressive, - this does not refer to the New Deal - Politics

is you would use ^{to} make scientific names up to date
John H. S. Chapman in his Ohio Flora, took up Britton's idea & used Britton's common names. I believe when you use either a short time you will "like it".

I admit if you adopt the principle & ~~can~~ make it rigidly apply to all names you would get some absurd names, but in such cases, some other form must be used. The English language and others are fully receptive. You take the U.S. style book & look thru the list of prefix & suffix & you will find exceptions, sometimes such as, doubling consonants & others. In Logic I was taught "analogous reasoning" has no value in fact but is potent in every day sentiment one way or other. So the reference to ornithology was not convince me. Will Hermann at this side until I get home & orient again, when you talk this to botanists you will find practically all against it, just as the change of botanical names but when Fernald's New Gray Man comes out we will all change except some back woods botanist who is still using Gray Man Ed's. Will I have collected 162 nos so far. Bearson backward. We leave here Feb 12, Gaumnville, Tallahassee, Montgomery, Ala Linnæus & Linnæus Feb 26-28 Best wishes, I sincerely
Chas Deam

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Recd. 2/1/38

Board
Governor M. Clifford Townsend
Lieut.-Gov. Henry F. Schricker
Virgil M. Simmons
Dick Heller
Earl Crawford
Thurman A. Gottschalk
George H. Newbauer

INDIANAPOLIS
Bluffton, Ind.
Jan; 23 1938

Administrative Officer
V. M. Simmons

Dear Hermann: When I used to be in the store I have had fellows come in and say I want to pay you what I owe. You are the last man on earth I owe a cent. Well I have been all day writing letters and I have saved you for the last victim. Cheer right up. This pest will cease now for a month and such a recess is surely worth something.

I just wrote Ep P. Wilson State Forester and I told him to send you a copy of the Hand Book of Indiana Geology and charge it to me, so your worries will be over. The Dictionary went out yesterday.

I am all ready to set sail. Here is a warning. I got 100 blotters (I think they are the Columbia blotter because I can tell em apart from mine). They charged me 12,00 for 100. The last lot I got from the Columbia Drier people they charged me 23,00 per ream. Now figure. This is about 250% too much and then they charged 20 cents for an old paste board box to send them in. Remember the name and put them on the Black Last, -General Biological Supply House, Chicago, Ill.

Have had no word from Weatherby on stuff I sent him

I note you are working on your last summer collection. Milton Hopkins wrote me that R.T. Clausen wrote him asking him to buy a set of his Canadian plants about 350? Hopkins answered he could not buy but would exchange. ^{to be acceptable Exch} May this may be a tip if you have an unusual excess of duplicates.

I am glad you are now Indelibly branded a Ph.D. So I can now call you Dr. Hermann.

Glad you are getting a new type writer. This one is the L.C. Smith, I like the "touch" ^h of tis machine very much. Over for the fire works.

I am going to vent my spleen on the Style Books and then sign off.

I have day dreamed this thing, thought it thru and the rubicon has been crossed and the Ms. will go in as it is written except I will tone it down in places. I think I am right and I have no apology, although I plan to offer some explanation in the introduction about this. Without a show of egotism I think I will be just ahead of the procession, that is all there is to it, some will never be able to get up to the firing line. I note what your editor of Mich. Acad. says. Yes he is an old man like myself. he is strong for the good old things he has been accustomed to but when it comes to U.S. Style Book, his objection is that it changes so often. That means nothing. If it reverses decisions, well that is different, yet it may be justifiable. The one example in their Oct. 1937 change I do not agree with because they are inconsistent. This is my only objection to them except the lower casing all proper names. Changing the abbr. No. to cap and leave vol. lower case is not right. This may have been overlooked. For myself I see no reason for changing to Cap. Vol and I am not going to do so. The latest ed. 1935 of Style Book does not say so. That is going to be my guide. So far as I can see there are very few objections to this style book. The use of suffix, such as like will possibly be pretty raw for awhile.

Now I do not wish to assume to be a "dictator" or an authority. What I am trying to do is to adopt the latest interpretation of the terms I must use. I do not wish to be a dam fool and take up with lip stick, long red finger nail click either.

The first guiding principal must be consistency. Now understand Hermann I am planning on you to read the Ms. and I wish to have your very good and keen judgment on this matter. We will probably both go wrong. It is such a long story to write. Wish we had an hour gyroscope schedule bet. here and Ann Arbor. In due time I plan to submit in writing a complete set of rules for the guidance of all readers of the proof. Doubtless you and I will not agree in all things but I doubt if there will many things when you understand what I am digging for.

Hermann-3

I have written to the Waverly Press and to Science Press to learn if they have published rules for sale. Doubtless they do have.

Now for example one thing that Weatherby called my attention to is a fight. I refer to the use of a period inside of the bracket. Rhodora always uses it outside and Weatherby insisted that it be so. Now I do not find an authority for it. I just received St. John's Flora of SE. Washington pub. by ^{Lancaster} Science Press. In it the period is inside. To me a sentence, like a synonym inside a bracket simply means a sentence which is closed by a period but the sentence not being essential to the sense of the thing can be deleted by the use of brackets. Of course the period would have no control over the brackets. Of course when the brackets inclose only a part of a sentence then the period outside. Supporting this is Style Book. On page 103 Wood says he conforms with the Style Book. I can not find an example in Wood where he uses the parenthesis. Doubtless you have Trelease & Yule book on preparation of technical papers. See page 50 item 5. Period inside of bracket. See Chicago U. P. Style book, Paragraph 126. I had this marked. When I studied this book I had no other and marked the salient points. The new edition I have gives the period inside, par. 173. My last edition was bought in 1928 and cost me \$3.05. I am sending you my old edition with my compliments. More "cast offs". The new ed. is same size, much better arranged, etc. It is a real good book but is it the very highest authority. Doubtless all first class publishing houses have men who know languages and its uses. Science Press, Waverly Press, Okla. Press. and the Chas. C. Thomas, Pub. Springfield, Ill. Well I hope you agree on this one. Now doubtly you will find authors who use the other way but they have not followed rules, except their own.

I note that Weatherby in Flora of Vermont. uses "Cut-leaved". I can not see any justification in using the participial form of the word. I prefer cutleaf or cut-leaf. In fact I think if you will bore into this you will find you do not hyphenate different kinds of speak^{al}. If they are different then you do not hyphenate. Now this is just my recollection about it. No matter what comes up, I will never ^{use} ~~use~~ cut-leaved OVER

Hermann-4. My Vermont Flora is now ~~ix~~ at the binder so I can not refer you to a lot more of Weatherby's monstrosities. Weatherby is a fine fellow but living under the umbrella of conservatism, superstition, or whatever you call it to make em afraid to come out of the hole. "While I am old you note I am doing my darndest to get at the top where I can get a good view. But poor Weatherby will follow his arboreal ancestors.

I still need some instruction on the use of "or". I have used it both ways, for example "leaves blunt or acute" Leaves blunt, or acute". Now it quite clear that a single leaf could not be both blunt and acute but the leaves on the whole of the plant might vary from blunt to acute. Now it seems to me that the way out of this tight place is to use the comma before or in all cases or I may not recall an exception. Do you get me Al. Can you see any complication in this. Guess I will lay off just a ^{minute} ~~minute~~ and see what I can find. I have this combination on my list of "look into".

Paul Allardyce, book on "Stops" says: page 39 "Or" joining two alternatives takes no point before it; but when it joins two words that are used, not as real alternatives, but as synonyms, a comma is inserted. So I guess that settles that because I do not find it elsewhere. Do you agree with this.

P.S. I have used "br" many times in text and elsewhere when one quality obtains and another rarely does as for example, stem pubescent, or glabrous I placed the comma to designate that the second form is rare but I presume according to the rule that comma will have to come out, ??

Use size instead of sized. Weatherby uses the later in Fl. Vt.

Use hyemalis instead of hiemali and sylvatica instead of silvatica (F.J. Hermann Do you subscribe to this even if the original description must be changed If I recall correctly you quoted me the Int. Rules on this. Now I must bust into this make a set of rules for the Flora

Now about Cap. on singular and plural of such words as County, River, Lakes etc. We have lower-cases counties in the plural. This is according to Chicago U. Press Man. Ninth Ed. 1927, page 26, ec. 55 But Wood and Style Book say caps for the plural. Mawson Style Book (and he is high authority), page 61 says use Caps on such words as counties, rivers, lakes. So I guess we had better ditch the Chicago U. Man.

You see you will damed if you ^{do} or do not do.

Style Man. Oct. 1937 rules say one-half but throughout we have used a half, etc. Wood on page 101 at bottom of page says a half mile, a quarter of a mile and that is what the Style book says until Oct.

Hermann-5 Well Hermann this digging takes me back to my school days when I questioned if it was better to learn a fact and express it in two languages or more or learn two or more facts and express them in one language. I have before me here 15 books on correct English, etc. I have no idea how long it would take me to master them. If I would ^{compare} ~~compare~~ their volume to other school books it might take me a year. In such a length of time I could learn a lot of things. Question-doubtless there is a medium ground. One should not devote all his time to expression, yet he probably should not stop off until he was over the 50% line. The users of good English doubtless do gag as some articles. My thought is that Correct English is an art and profession and writers ^{pseudo-writers like myself} should be able to employ persons who could put the Ms. into good English, just as we manicure other things. If you have the need of higher mathematics and wish to use the services of a mathematician you can employ such and it is better to do so than to expend half a life time to get it yourself. Really that is what society is. We are no longer our own shoemaker, etc but we trade our labor for his labor. et I contend we have no write to send down to perpetuity published junk. While serial publications have a real Editor, publications like the Flora is written by a druggist who never was very smart. Well if you have been able to follow me you can understand where I am at. If the Lord ever gets me out of this mess, I promise never to get into another. I will stick to diggin weeds .

Say I cursorily looked into the Pilger Monograph and I wish you were here ,we would go over some of my stuff. Think I have more than one Plantago major. By the way my Plantago elongata becomes Plantago pusilla Nutt.

Say Hermann, I am asleep and signing off. Best wishes to you and family. Hoping that sickness will not get you any more this winter.

I am sincerely yours,

Chas. C. Deam

P.S. My address , will call for mail until Feb. 12 at Fort Myers, Florida.

Do not write, if you do not want to. Keep your time at production, not entertainment of Florida loafers.

Memo to Hermann

Repl. 1/20/38

In the new forms to be reported I had one
Symphoricarpos orbiculatus Moench ~~xxx~~ forma ^a albus Deam, form nov., frutus albus.
You had it forma albidus, frutibus albidus. Now I do not get the
difference. If frutibus albus is O.K. why not use it? etc.

You may recall I showed you Rehder's letter in which he says
nurserymen sell it under the name of S. vulgaris var. leucocarpus.
Would it not be best to just validate the name and call it forma
leucocarpus

Better check over Flora of Vermont. to see if you must make any
changes in Carex, & Juncus

Flora of Vermont. cost 50 cents. Write E.J. Dole, Dept. Botany, University
of Vermont, Burlington, Vt.

Dear Hermann: No Ann Arbor Gazette for a week. Have I been cut
off the list. Why? I had neuralgia above eye that laid me up for
3 days, I am now O.K. but must go slow with my left eye.

Since we leave Monday morning, I want to clean up as much stuff
as I can. You and Weatherby got me all up in the air about my
innovations introduced in the Flora. I have just landed and I now
plan to carry on in just the way we have with a few modifications.
I ordered me a new Webster Under a bridge dict. and it will be here
probably today. My present one was published about 10 years ago.
Do you care for my old one? If so let me know at once and I will
send it up before we leave. Not very complimentary to offer cast off
things but I would not have bought a new one, except I wanted to see
what Webster does with suffix like, etc.

Weatherby took back with him 4 boxes of plants. Have not heard
from him yet

Best wishes, I am sincerely yours,

I now plan to list all of my "new things" and make a Chas. C. Deam
copy of them. I note in Rhodora that they close a bracket sentence
with a period inside of bracket.

Did I write you I got Pilger's Plantaginales, 465 pages, at the
nominal price of \$25.40. If this is not a ~~stinging~~ stinging, what is.

Deam

- Broteria Cienc. Nat. (410 B79C) (cont.)
Rick, J.
Polysticti riograndenses. (concl.) Broteria
Cienc. Nat. 6: 81-87. My.1,1937. no.2.
- Rick, J.
Poriae riograndenses. I-IV. Broteria
Cienc. Nat. 6: 128-148, 149-152. Ag.1, N.1,
1937. no.3,4.
- Bull. Amer. Iris Soc. (81 Am39)
Shull, J.M.
Winter hardiness. Bull. Amer. Iris Soc.
67: 11-12. O.1937.
- Bull. Torr. Club (451 T63B)
Campbell, I.
Further data on monosporous cultures of
Gelasinospora tetrasperma. Bull. Torr. Club
64: 583-586. illus.,pl. D.1937. no.9.
- Drouet, F.
Some Myxophyceae from the Canal Zone.
Bull. Torr. Club 64: 599-604. illus. D.1937. no.9.
- Merrill, E.D.
Razumovia Sprengel versus Conranthera R. Brown.
Bull. Torr. Club 64: 589-598. D.1937. no.9.
Razumovia hookeri, R. longiflora n.spp.
- Schaffner, J.H.
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1937. no.9.
- Shreve, F.
Lowland vegetation of Sinaloa. Bull. Torr.
Club 64: 605-613. illus. D.1937. no.9.
- Bull. Union Agr. Egypt (Le Caire) (24 Un32)
Mazuel, J.
L'industrie sucrière en Egypte. Bull.
Union Agr. Egypte 35: 469-475. O.1937. no.286.
Resumé of his "Le sucre en Egypte".
- Cactus Journ. Gt. Brit. (London) (450 C113)
Bullock, A.A. & Schweickerd, H.G.
A new synonym. Cactus Journ. Gt. Brit.
6: 31. D.1937. no.2.
Ceraria namaquensis (Cotyledon bucholziana).

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Recd. 1/19/38

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INDIANAPOLIS

Bluffton, Ind.
Jan. 8 1937

Sub to 1938

Administrative Officer
V. M. Simmons

Dear Hermann:-I have your letter of Jan. 6 and hasten to reply to get that Carex, etc. straight. As to sequence of map numbers I think they should appear as in the text and ~~mk~~ then when necessary we can fudge a number and give an "a" number a complete number. That is what I had in mind but I can no longer trust myself to do any thing correctly From this on I will try my best to give var. and forma entitles the same number as they will have in the text. ^{and an "a" number} Of course it does not make a whole lot of difference except a keen eye will detect the discrepancy But I think it better than to change all the maps. There is no matter of fact in the consideration. My eyes hurt me so I do not do a thing I can avoid. Or else I would go over the lot and see how many changes would be necessary to correct error. It would mean at least a few hundred changes at least So if we can from this on make it correct, I suggest that we let it go at that but that you make the Carex, Juncus and Luzula correct. Since Weatherwax has not pasted the names on maps as yet any changes can be easily made

Will you go over this mess and straighten it out the best you can and forward to Weatherwax. I have no stamps here

As to the Carex Sprengelii I guess I must give in. I thought I recalled all the places I took it. Another tally against me. Remember if I commit murder you will make a first class witness to prove my insanity.. I will see that the record is on map when I get them back from Weatherwax.

As to your Ms. on Carex, no man no, I do not want any thing sent to me in Florida to read. Will be glad to have a letter from you but no Ms.

I will keep in mind your second book wants. I plan to visit Columbia

South Car. It is said there is one of the best second hand book stores there in the south.

Did I tell you Weatherby used a "squint glass" to see with and measured with a steel rule about 15 cm long. In technique there are about as far behind as citations such as Rhodora 10:25(1910). Why should they hold out. I admit English people hold to the old way. I believe in conservatism but I will go in an auto and let them go in a buggy if they prefer to.

I now plan to give my Ms. a complete and careful reading. You will readily agree that rules are necessary to govern such cases as this. Standardised plant names use "sweetgum" as one word and "black gum" as two words. If you have Sudworth's check list of the trees of U.S. 1927 ed. there it is red gum. Sudworth's list was worked out by the Society of American Foresters and red gum is the "trade" name of millmen, etc. Now I plan to reduce all to red gum and only in one place will I use sweet gum and that will be in text where I will give red gum ^{or} ~~is~~ sweet gum. If you will get the Sudworth check list and go thru it you will see how necessary it is to adopt one name for a species.

Well I will sign off. Mrs. Beam is ready to go up town. I have been sick with a cold for three days. I am better today. It has dried up but I am weak and head like ivory.

Well I will try to get up to date all the things Weatherby set me back in so I can go ahead. Got a letter yesterday from Dr. Just. He went to Cincinnati to have his tonsils cut out. He is worse than a Democrat. Now he promises great things and I can expect the Ms. almost any time (after he starts". Best wishes, I am sincerely yours, Chas. C. Deam.
P.S. You will note Weatherwax did not return all the list of Carex. I send you all he gave me at Indpls.

STATE OF INDIANA
CONSERVATION DEPARTMENT
DEPARTMENT OF PUBLIC WORKS

Repl. 1/6/38

Board

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INDIANAPOLIS

Administrative Officer

V. M. Simmons

Bluffton, Ind.
Jan. 4 1938

Dear Hermann: I have now missed two issues of the Ann Arbor Gazette and I feel lonesome. For fear you may miss the issues of the Bluffton News, I write.

Say + know you will soon be milling along on Carex, etc. I am now since I came home trying to think of some words we have used in Text in my revision I wish to make uniform. One is "wedge-shape", not wedgeshpe or wedge-shaped". I admit I got a ell of a milling on Standardization but it has not at all changed my mind but in some measure it has changed the status of the Flora. I have now decided to use Webster as the supreme authority and follow religiously and add I am following Standardized Plant names and Bureau of Printing in part (or words to that effect.) What say ye? If you have a better definition let me have it. This will get rid of bractlike etal.

Say at the meeting some young fellow told me they had in ~~their~~ their herbarium a complete set of Umbach specimens. I have now forgotten his name (in fact he was a new man to me) and I have forgotten the herbarium. I told him the Flora was too far along to use the specimens except I wish he would go thru it and look for Carex pauciflora and if he found a specimen to let me or you know at once. Now if he will make good I do not know. I thought I would remember the herbarium. I doubt if you read Jigg's Funny Strip. He now has a geery employed who can not remember his name, etc. I will soon qualify. I am not yet over my drunk with Weatherby and this data may yet come to light. We had a fine visit or work out. I could not keep up all the time and then he read Ms. Say he tore into the fern Ms. OVER

at meeting by Weatherby

Digitized by Hunt Institute for Botanical Documentation

Oh now it was not so very bad. His "finds" usually were synonymy. He went over Scirpus and he said he was inclined to accept your character to separate S. debilis & S. Smithii var. Also he thinks the plant you threw out as Alisma brevipes is O.K. but says I must boil it and work according to Samuelson and forget Greene. This I will do.

I sent him 4 boxes today. Among the items were a set of the Scirpus pedicellatus. He says my southern stuff is not orthodox.

My character on ^{in leaf} *Thalictrum polygamum* impressed him and he took some of them with him.

When it came to *Rudbeckia hirta* he could do nothing and I sent a goodly lot today.

The *Solidago glaberrima* complex he could not go and I sent him all I had. Likewise with *Solidago Deamii* and *S. racemosa* var. *Gillmanii*. He says my specimens seem to be "off".

I suppose my work is O.K. but Weatherby did not compliment me or cuss me but "that is O.K.", etc.

As to type for the book he prefers ten point on 11 or 12. He thinks a large type a great asset to a book. He likes the maps.

When he saw "*Adderstongae*" in *Ophioglossum* he blew up. I admit this is stretching the thing just now. But words are symbols. They stand for an idea. Just like "colour, Honour" stand for color and honor. We think the latter O.K. while the British reject it. It takes centuries to change a language and in fact a few words as the last two words are witness. I can recall when simplified spelling came on the stage and as yet has not got any where but will in the centuries to come. I recall when the metric system was a mere hearsay in the drug business and then was fought by druggists and now it is the official nomenclature. I recall when wife and I went to Mexico in 1898 the metric system was just adopted and at the markets great confusion reigned because they could not translate quantities either by weight or measure but it was a National Law and they had to follow it and doubtless ere this they have forgotten the old system. The English pass you on the right on the road and Americans on the left so it may be for centuries. Only rarely does an individual reform a nation, especially on spelling.

STATE OF INDIANA
CONSERVATION DEPARTMENT
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Board

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Dec. 21 1937

Dear Hermann:- This is the shortest day of the year and I will have to make this short because of my eyes. They have thrown me into reverse and I do not know what to do. "all while I nursed them I recall that yesterday when I returned you the *Carex* introduction I had in mind a term you use that I planned to look up but forgot it. I am getting so I dare not turn around except I forget what I was doing.

If I now recall the text it is something like this. You are advised to collect the complete roots system or words something like it. Of course your advice is because of the value of some of the *under* ground parts are diagnostic. Now do we not use the word root rather carelessly. I tried to look of the definition of root but my eyes would not permit me to do so. Standford illustrates it as all parts below the ground line. Jackson's Dict. calls the root that part that grows in the opposite direction to the stem. Sinnott's "carying on" was too long for me to get his idea.

Well you get me Al. What I had in mind *is* to be technically correct to underground parts, we read of adventitious roots(?) but is this correct, rhizomes are underground stems, like corms, bulbs, etc. Now some *Carex* have underground creeping stems from which spring aerial culms(??) Well I have said enough for you to get my idea. Probably your present expression covers O.K. What I meant is that to make it technically correct. If you have Schneiders Worterbuch he may explain it.

Well I just got Rhodora and I looked at Fernald's tirade and I had to finish it if it killed me. I did not read it close enough to get it but poor R.M. Harper. Harper probably deserves all that Fernald gave him over

but Harper will probably not offend any more and in his trimming Harper
Fernald drug himself down into the mire. Why in the ell does he want to
do such a thing. Think he should belong to ^a Conservation Club so he can
get a license and go out and shoot and kill. I could not go over the list
of plants etc. that he gives ^{closely} but we have some of the only coastal plants
"endemics" right here in Ind. Now later some guy will dress old "ernald up
and I think Steyermark is grooming himself to do it and I will give him all
the ammunition I can to have him do it. Not to be vindictive but to help
poor Fernald to keep out of fights. Well may at Indpls we will have time
with others to discuss this botanical fascist. I know Steyermark will be
a welcome member, and Fassett would sit in but probably a little gun shy.
I see in his list of plant names he holds to Bacopa and repudiates Pennell's
work which I am following. Doubtless Fernald regards Pennell as a splitter
and this will hold for Fernald or any one else. Usually when one studies
a genus or family closely and long enough to get the generic characters, etc.
he sometimes see a line of cleavage ^h for which he thinks is wise to use so
as to break up a large genus or even make a monotypic genus when the one
species is aberrant.

Well we may have some time to talk but it will most spent in
working over our problems.

I am sincerely yours,

Chas. C. Deam.

Repl. 12/18

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Dec. 15 1937

2, P.M. Edition

Dear Hermann: When neighbor came in for mail I did not wish to hold him. It is terrible out this P.M. Raining? and freezing as ^{fast as it falls} fall and every thing is a glare. People of our ^{age} age should stay in. Seems as if I know that much and it appears that is about my limit now. Quit here on account of eyes and it now 7,00 and ^{3^W} I will try it again.

As to accent. We have used the modified rule for proper nouns. "e let em carry the original English accent. We use Hypericum and Aletris. I agree with you Aletris seems off balance. Guess I will change it to Aletris.

~~is Polygonum dumetorum. That I have as a memo for you and I to work.~~
But I fear we already have too many things to do.

In regards to the base of the culms of C. platyphylla and Caryxana. My specimens of the first are old, 20 years or more and have faded out to a light brown and Careyana are reddish. Use the term reddish and when you come down in day time we can compare with Ridgways chart. Since few Carex have a reddish base the term reddish will suffice and if you wish to add the kind of red O.K. but I will bet a farm there is no purple in it. You know purple comes from blue I sold paint and wall paper for 20 years and used these color terms pretty often but possibly never correctly.

I have an English book ^{for} on abbreviations and they give Lab. for Labrador

As to the placing of date after the location, O.K. with me. I concede it is awkward not to do so and not one in a million will ever notice it in the book.

If correct I do not now find this rule. May be there is no such an annual
As to placing roadside ditches after woods, I do not now recall species OVER

but I know what influenced me was the present condition of things. When I went out 20 years ago in my Ford roadsides were grown up and most of the roads then were clay pikes and when gravel or stone was used the sides of the road grew up like topsy. Now all has been changed. Most of our country roads are now mowed at least once a year and of course State Roads have nothing any more. Well to the old timers ditches is O.K. but to the coming and present botanist ditches are "not what they used to be". Formerly made with a plow now with ~~xxx~~ power machines. and graders. In this whole county you can scarcely find an old fashioned road. You will note I laid off that roadside habitat a good deal, all on ~~that~~ that account. Since the habitat scarcely exists any longer I think it wise to not stress it. No one can realize the changes that have taken place along roadsides better than I. Years ago I had to always inquire if I could get thru, now you can go any where

By the way, yesterday when my eyes went clear off, I sent your Ms. Juncus to Farnet and told her to bring it into our style and lay on as heavy as she could. I just want you to see how she treats me. She is like me in that respect, she gets a kick out of kicking, a trait not foreign to most of us. When I get it back I will go over it again. I only wish I now could go over the whole Ms. with the care we have gone over yours. I think it would be greatly improved. In my last edition of the Shrub book I made over 3,000 changes.

It has been raining most of P.M. and at dark most of the snow was gone and if it does not freeze tonight we can get out.

Guess this is all. Keep a stiff upper lip and do not get angry at us if we are hard boiled and use no judgment. I know I have a lot to learn,

Sincerely yours,
Chas. C. Deam.

Recd. 12/18

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Dec. 16 1937

Dear Hermann:-No use to argue with you, you are always right and produce the Documents.

In regards to Caps for counties. Many years ago I bought a Manual of style pub. by University of Chicago, then a later edition and I fairly committed ^{it} at the time. That I think is where I got that county business. See Chicago Style Man. 1927, Paragraph 55, at the bottom of paragraph. You see the criminal always has an alibi. In Introduction I make the statement I follow U.S. Style Man. except in the Caps. of Proper nouns and I wish to stick to it. So we will capitalize Counties, Rivers, etc. throughout. We must alert to catch them in proofs but I will try to get Harriet, wife or myself go over it for this error and any others that may turn up. I am glad you caught this one. Remember that the Style Man. is supreme with one exception and help me to come to the line. I contend we must have rules and rules and laws are to be met fairly and squarely without a peeve or change the Laws. The reason I make an exception of the Proper names is that the Style Man. differs from the Int. Rules of Botany which I think has power above the U.S. Style book. Now for God sake try to keep me on the trolley and help me to get out a book worthy of being shot at

I will write you again when I hear from you. For the past week or more I have been doped. Doctor or girl must have made a mistake in medicine. I have complained for a week about the glare of the snow hurting my eyes, too much light and today I took hand mirror to find the pupils full size. They have been giving me some drug to dilate the ~~xxxxx~~ pupils. They have just poisoned me. OVER

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I have made a memo of this change in Ms. and so far as you are concerned
change in your write up

Will sign off. I have been off work for 3 days on account of my
eyes and I must try to get something done beside desk work

I am sincerely yours,

Chas. C. Deam

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Recd. 12/22

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Bluffton, Ind.
Dec. 18 1937

Dear Hermann:--Pull your tongue back, now shut your mouth, place feet flat on floor and take a rigid position, like getting a tooth pulled and now you are ready:--Just received my 1935 Style book and in it was some additions, dated Oct. 1 1937. Here is one. The abbreviation for number, -no. shall from now on be capital. Just went thru our Ms. and lower cased them. There are some other items, few of which apply to us. One does. From now on there is to be uniformity of having spaces (place a space between (X) , I mean when well here reads the rule: To insure uniform practice, hereafter a space will be used between paragraph or section number and a letter in a parenthesis following, as "paragraph 302 (a), section 23 (b), " even in "fol. lit." matter. This is another x of a thing for us. For example (2.) 3-5 (6) mm this looks like ell. Well we are now under a "New Deal" Pretty soon you may learn what a "New Deal" is

The sign for a hybrid now has a space between it and the name of plant. There are only 3 pages of corrections but they are mighty as they affect us Harriet with here antipathy for the New Deal will just go up. I still hold to the rule we should be guided by some standard but it seems right now as I am much of a guinea pig but if I can survive here is hoping it will be the best in the long run.

Got a letter this morn that C.O. Rosendahl has just made up his mind to attend the Meeting

Here is hoping that Got and good rye will preserve you until you come down and longer too because I fear I will have a depressing effect on you. I missed your daily letter today. Sincerely yours, Chas. C. Deam.
OVER

Wife and I are having our troubles. "e have been waiting all fall to get our bath room worked over and they kept putting off until the last day and then they put in a "toy" close. I did not select it. They just talked wife into it. Went up stairs this morning and the man had papered over a large muslin patch that looked like--- I made him tear it off and he is sore. Doubtless you get a chance to read Kalends. If not send for it. Last page last issue is O.K. "n old lawyer here who is now dead often used this expression: You can not make Nancy Hanks out of jack asses"

Deam

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INDIANAPOLIS

Bluffton, Ind.
Dec. 20 1937

Administrative Officer
V. M. Simmons

Dear Hermann:- I have your letter of Dec. 18 and note your inquiries. As to the introduction it is O.K. so far as I am concerned. to let it go as you have it. Well now I do not know if I am coming or going since I got the last Style Manual. Last Style Man. said lower case no. and now cap. If I recall correctly we lower cased vol. Now you use Cap. My eyes are in bad shape so I had wife read to me last night and we tried to find where Vol. was lower cased in old Man, or mentioned in the new one. *we did not find it*

You use your judgment on the Vol. but I would like to know because in our Bibliography we use it. If you find any thing on please cite me page & page. I have so darn many gods to follow. For instance I say I follow Stle Man. Standardize Plant names, etc. U.S. Foresters have adopted the red gum for Liquidambar and it is the trade name for this species. School marms and college high brows and OH MY people call it sweet gum and Style Man. and Stand. Plant names call it sweetgum (one word) but black gum is perfectly orthodox. I am a senior member of the U.S. Foresters and I would be expected to follow the Foresters rules (Although I do throw up on Hicoria)

Now here is my decision (sweetgum) because from now on people will more and more go to the "tabloid" for information and many such words will be shortened. You will note that new ^{out} the usual way is to omit the name volume and you could do so in your papers in or contained in N. Amer. Flora 18:1-478. 1931-35. I have just examined our bibliography and I do not find vol. used at all.

by
Now I would lay typing Carex until after you return to Indpls. As to the numbers of Carex I used your ^{first} set of corrections and this omits var. of C. arctitecta. By after Christmas Weatherwax will have the names on the OVER

maps and he can send them to you.

As to Juncus, etc. I sent it to Harriet to read and she had not returned it. Presume she has been busy with Christmas. She wrote me that she would leave the middle of this week for Wisconsin, etc. but I wrote her early last week to send me via express every thing she has done up to date. So I should get this by the last of the week.

As to Hotel accommodations at Indpls, I can cite you to rooms for 1,50 which should be O.K. That used to be my price and I stopped at them years ago but they may be changed now. We will talk this over.

Will open the barn door at noon on Dec. 26 if I do not have word to the contrary. So you drive in any time you come Caution, be careful how you drive, drive slow enough to be safe. — (Dinner)

Well while ^{we} were eating I got 20,00 of books. One is Pursh travels thru ne. U. S., 7,50. The other two on Florida and neither word a darn, except the Heilprin book which is devoted mostly to shells. I have longed for the Pursh Travel. I ~~now want to get a few books on Florida Nat. Hist.~~ but I guess there are no such animals. Mostly mollusks, and birds.

Yes the programs are usually fellows out of a job, young Ph D like Her Hermann, etc ??? No matter the assoc. is the thing. Did I tell you Rosendahl will be there and I see Butters is on the program. R. M. Harper wrote me he would not be there but I see he is on program. Presume at last minute he will decide to go.

As to my eyes I fear I have strained them to death. I can scarcely see It was not the doctor's medicine, but as a hypnotic I have been taking Bromidia which has 1 gr. Ext. Hyosciamus in a dose, and doubtless its effect is cumulative. I have laid ~~fix~~ off that. Well I hope for the best, hope for a long visit with before and after the meeting. If you can come after the meeting I can handle three of you, see if I can't. Leave word behind that you will be home when they see you, I am sincerely yours,

Chas. C. Deam.

Recd. 12/17

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INDIANAPOLIS

Bluffton, Ind.
Dec. 15 1937

Administrative Officer
V. M. Simmons

not read

Dear Herrmann:--I have your letter of Dec. 13. I have had wife to read me the letter. My eyes have gone bad. So I will make this letter as short as possible. Thing I had blind up and the glare from sleet did my eyes up. I now have blids down and use artificial light.

"ell I got a very fine letter from Dr. Just this morning. He plans to snap into Chenopods after Christmas. I also told him to send you his Ind. Luzula. If he does will you please return him his postage and change it in with return postage and relay to me and oblige. I will add the DePauw stabs and I can somebody get the Butler ones. The Wabash and Purdue can go. Well I have made a memo for us to go this when you come.

Now as to the final copy of Carex, there is no hurry. If you wish to requote the introduction O.K. with me. Probably you have noted the absence of "conjectures and may bes" throughout the Flora. I have at all times and places record absolute facts and doubtless ones omit. Of course if you are satisfied that you have the data (correct) to go ahead and "proliferate" O.K. That is all up to you. I like to see a wet dig shake himself. He gets a kick out of it and makes every thing around him wet, no mistake about causal factor. But when a dog is not wet you are not sure the dog thinks he is wet or if it is fleas or itch. I leaves this with you.

"As to the number of plants in your herbarium, will you please make a conservative estimate and we will let it go at that. Do this at your early convenience so that it can make the final change

As to maps I note your suggestion to use C. arctitecta var. I wrote Weatherwax yesterday to go ahead now. I gave him the corrections. If you later wish to at the var. of arctitecta it can carry an "A" number.

over

As to Indpls meeting. Now I do not wish to influence you in any way. I have plenty to keep me busy at Indpls on Monday. Now I want to do what I can for you. Now here is a plan. Let me go to Indpls. and you stay here and work until you are ready to go. You can leave here at 6,45 (Remember we are on Standard time down here) and arrive at Indpls at 9,15. Only one block from Traction Station to Claypool Hotel. All botanical meetings in Claypool. So if you would wish to could stay here until Tuesday morning and be there in time for the meeting, except you wish to register and if you do not you can use my Program. That is all you get for the registering. You can buy supper cards, etc. without registering. If you wish to stay until Tuesday morning you can do something here worth while, save hotel bill and for once be your own boss. Wife is going to Indpls with me. Now if you think you can entertain yourself here for a day, that seems a good way out. That way you get rid of my chatter, etc. Well that is a matter that can be settled when you get here. Again as to the "bull" in your paper. If there is any thing I hate and detest

is bull. In fact it is a self brander. Ordinarily when one runs off at the mouth, he marks himself as a tyro or one with a chronic case of diarrhoe of the mouth. I would guess that Bartlett himself when he sees a paper that he will read along on first paragraph until he gets into the "bull" part, and then go to the end of article and see if there is a "summary". I admit we high scientists of high rank you ~~do~~ are too dam verbose. Say what you have to say that is based upon facts. I do admit however that discussions often open up vistas to the reader, just as verbal discussions. I do not object to a helathy discussion but it is to the nebular kind I object

Now as to your memos which I have not yet read.

As to accent on C. Jamesii will say I think Harriet and I followed the N.Y. Code and emphasized the English accent. I just find we have used it in Deamii I know it is not accord. to Int. Rules. I will make a memo of this and talk it over with Weatherby. One is right and ludicrous and the other is wrong and more euphonic.

Yes I agree with you on Hypericum, Aletris. I think we have it Hypericum but Aletris. Now I do not think it is a criminal offence either way. But I am a stickler for rules. But you point out that the rules as interpreted by Gray's Man. is wrong. Wonder if this matter should not be submitted to a committee at the Indpls Meeting

A can not help you in C. interior, C. brevior. I see in Andrew's Latin Dict he uses Brevior, short e. I am accustomed to say the e long in both words. but in this I may wrong as in hundreds of other things. I think I would use C. in^{terior} with long and accented e and use the brevior with short e if Gray Does. As to Rydberg and Small you get no where by citing either as authority with me.

Now as to Tovara. My Ms. is written and I have used Polygonum virginicum. To change to Tovara means a lot of work and too I am too dumb to know if I depart and use Tovara if I should not use the other short genera so I just concluded to let it go at that. Tovara doubtless has many morphological characters to set it off. Too since I am following authority I should use Tovara but if I must use Tramaculon, etc it means the tearing of the Ms. and my Assist is just about to blow up. In fact I am now to the point "the easiest way out" yet I stick to what I think is correct if the dam flora never comes out by me.. I will make a memo on that to talk about. I know you do not know how senile I am. ^{Two} Two years have since you have seen me. If I had a month in Florida I might recuperate some. So when your Tovara came I may have just slighted it

Now as to purplish-brown in base of culms of C. Careayana. I must take my memory only since I do not have any specimens here (accessible if I have them) to check against my memory. My memory is that I would call them reddish-brown If I recall they loom like C. communis (I think that is the species). First place purplish is not a color while red is and I think you can mix red and brown together and get the color you have on the Carex. I do not recall what primary colors you must use to make purplish. OVER

again you use your own judgment. Forget my memories (passing at the moment) that are now over 20 years old. Think that is about the time I quit Carex. Brown is not a primary color either (Say man has just come to take my mail up town so I will make this short. It is too slick for me to go out

As to the Knob area, etc. again I am hobbled. My maps are not here. Wait I will look at the old maps. Well I find it. Both *C. platyphylla* and *picata* are on the Knobstone area (geologically) and you can use this or the Chestnut Oak uplands area as I have it

I have used Lab. for Babador. I dare not take time to see which is correct Neighbor is sitting here waiting to take this letter up town

Day I am going to sign off and finish this and send tomorrow

Best wishes, I am sincerely yours,

Chas. C. Deam

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Dec. 13 1937

Dear Hermann: I have your letter of Dec. 11. I regret you take my suggestions so seriously. I just meant to scratch you not out to the bone. You being 1/4 Irish does not bother me. My wife is half Irish and had the third dipping do it takes "something" to stir this Dutchman up.

As to one-third, etc. I think that agrees with the style book *as you* to go ahead and use it. Nothing killing about it. In fact if you wish to lay off the whole thing until after the holidays O.K. with me. This book can never get to the printer before Feb. 1 or may be Mch 1. I myself have too much to do.

As to the definitions I wished. I wrote them on a whole sheet, ^{wrote} about a half dozen or more. Possibly several other things on the same sheet. No matter I can again give them to you.

Many thanks for the proffer of loan of microscope. I can borrow the one at the office.

Now as to my review of your *Carex* paper, I will say it would be a great thing if I would go over all my Ms. in such a manner. I know it is just full of blunders. I have never gone over it. However, it takes a great many blunders so you can understand ones "style". Too much ^ddolling up a paper gets it out of the "individual class". Gosh I know mine will be recognizable even in China. I am so glad you did not get peevd at my suggestions. Just remember all was for the good of both of us. Just understand it that way and all will be well. No I do not want any *Rudbeckia*. I am fed up on them right now.

Go right ahead and change back all your one-fourth. That is your style and it will distinguished it from ~~xxx~~ mine. That swale business OVER

you will recall that before you went to New York we had that up,-
ecological and habit definitions of marsh, bog, swale, etc. Since it has not
been closed why not some eve at Indpls get Gleason, Svenson, et al
in some corner and have a tete tete that will be memorable. I must define
them in my glossary and their definition is what has caused the delay. I
lie down and day dream about them and I am about where I started. I really
ought to know what I mean when I say marsh, bog, etc. but do I ??

Yes change Me to Maine, Ida, to Idaho and Alaska is spelled out. When
I get my new style book I will go thru it carefully. Guess this is all.

Kriebel was here the week end. We went over the Quercus Shumardii-
Schneckii and agree perfectly. Now the heck to rewrite it. Quercus Shumardii
is the common form and has a flat cup while Schneckii is the same thing with
the rounded ^{fund} ojn the bottom. You can all kinds of intermediates. Schneckii
should not have a higher than a forma recognition but I will not make ^{a new} ~~to~~
combination because I am adverse to it.

I do want to get back onto Solidago, may be in the morning. I sent
10 days ago for a photostat of original description and have not heard
from it. Will write them the next thing I do.

Say now as to the return of the Carex specimens. Possibly you would
rather defer it until later. I am in no hurry about them. Just so they are
safe up there is all I ask. Return them ^{next} summer when you come down to root
up some more Carex, etc. Now remember if you do not wish to bring, just forget
them because I will not touch them until next summer or later. I will
not have the time

Well wife is hollering. She is ready to go up town so I must sign
off. Sometime today I will take up your Juncus paper and try to get it
off to you yet this P.M.

Sincerely yours,

Chas. C. Deam

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INDIANAPOLIS

Bluffton, Ind.
Dec. 13 1937

Administrative Officer
V. M. Simmons

Dear Weatherwax: Here are the changes in names in Carex. Since you have the list I can not refer to nos so you will have to hunt them out.

Carex straminea Willd.	to	C. albolutescens Schwein.
Carex albicans Willd		C. Emmonsii Dewey
Carex viridula Michx.		C. Oederi Retz., var. viridula (Michx.) Kükenth.
<i>not on list</i> { Carex chlorophila Mack.		C. Oederi Retz., var. prolifera H.B. Lord.
{ Carex lacustris Willd. . .		C. riparia Curtis, var. lacustris (Willd.) Kükenth.

~~I do not think these are on the list. He says to drop them~~

Carex communis var. auriculata

Carex umbellata f. vicina

I will send you some more maps soon, in a few days.

Best wishes, I am sincerely yours,

Chas. U. Deam.

148
2
44
518.0

Page 3

Now I am interested in compiling a list of corrections for the Ms. which I can get upon a careful reading. ^{if you recall any let me have em} Of course I will miss many. These can be changed in the galley proof but at a great expense.

I have definttle decided to go to Florida for a month about Jan.22 if I do not go to the asylum before that.

Wife says the reason I do not get any thing more done is because I write too many and too long letters. Well this letter is scarce a 1938 reform

Best wishes, I am sincerely yours,

Chas.C.Deam

Memos to Hermann

You have distr. of *Juncus interior*, Ind. westw.
This is reported by Schaffner for Ohio, Jackson Co. by Floyd Bartley & Leslie

L. Pontius. See Ohio Jour Science 36:199. 1936 Should we change it
to Ohio, In^d, etc.

Recd. 12/13

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INDIANAPOLIS

Bluffton, Ind.
Dec. 11 1937

Administrative Officer
V. M. Simmons

Dear Hermann: I have your letter of Dec. 9 in which you wish to make some corrections on numbers on map. Cheer up. I think I can handle that. I have already written and posted a letter to Weatherwax to lay off Carex until further orders. I do not think he has yet reached Carex. At least here is hoping. I will work it out some way. Old saying where there is a will there is a way, well is a chance to prove the truth or error of it. I bet you we win.

The new Director of the N.Y. Gardens. Like employing a blacksmith to tune a piano. The American nation is doomed if we do not soon get wise and lay off politics. You can see why the people prefer a Dictator. I can not take time to cuss this as much as I would like.

Just received the program of the Bot. Soc. Looks as if I will thru at Thurs. noon. Just received a letter from Weatherby and he will arrive at Indpls. Monday morning

I want to go out to Butler University Monday P.M. say 1-2 P.M. May be you will like to go along Their herb is about 30 000

As to Friesner he is a royal good fellow. Probably a Model T. trying to draw a Cadillac load

Go ahead and type in the map numbers with the changes you give me and I will see to it that the maps are so labelled.

Probably the best thing to wait until you come to mark the type of ~~six~~ type we use in sections, etc. I do not wish to have to mess around with the Mes. and take up all the time but that is first importance. I will OVER

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here all I can do.

As to the arrangements of associate plants, sequence. Best is to arrange in relative abundance and importance rather than alphabetically or phylogenetically. What I meant is in the event you do not have them arranged according to relative abundance use either of other two systems.

Now I must hasten. Kriebel is to be here this P.M. and I must attend a funeral and I do want to get this off to you this P.M. Post office closes at noon so I may put on too much or too little postage,

I am returning you the old Luzula maps. (No I will keep them because they have the dope on the back and my duplicate set does not have. I send you my second set. ^{which keep in desk} Now as to Luzula saultensis for St. Joseph Co, that is O.K. I do not have any record of seeing it but I have a dim recollection that I saw it several years ago. Then I see Harriet has delete De Kalb Co. for Purdue I think I gave them a specimen. Wait until I see if it is in the Purdue list yes here it is the list you sent me. You say it.

es and I see in the Hermann list of Notre Dame determinations you list Luzula saltuensis. so that settles that.

The other Notre Dame Luzula are a mess. Here they are and may be you had better go over them again.

Luzula camp var. multiflora,	Newton, McKee
ditto	Brown Friesenr
	St. Joseph, Nieuwland
	Porter "
	St. Joseph "
	Brown " & Just

I have made a memo to add St. Joseph Co. to Luzula Ms.

Say I can not get to your Juncus Ms. until Sunday Pm. or Monday

As to the use of bractlike, leaflike, etc. you can scarcely go to written books for authority. Gray herb. in citing references use the antiquated method and some people yet in writing a date place the day before the month. Some people are just forced to adopt new ways, probably not so much,

page 3

as a valid objection, but they do not wish to effort to keep abreast of the times. I have always said if I can not act my part, I will stay at home. My 1935 Style book will be here in a few days and I will go over it. There should be a standard at least for the U.S. Note how the English differ in many ways from our ways. All change at first fatigue the eye but soon we accustom ourselves to it. The new spelling should for the greater part be adopted but it will years to get it. English still spell colour, honour, et

I only wish all ^u authors did give as much attention to their Ms. as I have Weatherwax and I were talking last Sunday about this. He says (he has been Editor of Ind. Acad. Science for several years) he is compelled sometimes to return the Ms. and tell them they must rewrite it and put it into at least 8 grade English and to receive a good clean Ms. and in fair English is the exception. I know my Flora will look cheesey enough but it is not because I have not tried to dress it up. A subject like this should be discussed at a round table by the A.A.A.B. meet.

As to the use of the comma in accession numbers you seem to have one on me I note in Hitchcock's Grasses the Fig. number is not set off. That exception, -serial*-evidently makes me all wrong and this is a wedge again in the Ms. because we often have it. This must be decided and we must delete all of the commas. No monkey business if wrong out they come if the Flora does not appear until we have some new species grow up. I note in Amer Jour Botany they do not use the comma and as I understand it they follow the Style Book. Guess I am saved. I have just consulted the last publications of the Contr. Nat. Herb. and there the numbers of 4 digits or more are separated. So now where am I at?? Great country we have but going in debt. Let me know about this, when you would be good and do your darneest to be good some one will slip up and give you a boost from the rear.

As to the hyphenating fractions I may have over looked that, but it can be done but failing to do so is not a crime, only it does not agree with the standard OVER

Reminds me of the story of the Englishman who came to this country. He learned that it was out custom to tip the Pullman porter. He has no idea how much so he asked the porter what was the usual tip. Porter replied the standard was a dollar. "hereupon the Englishedman gave him a dollar. Porter says Thank you sir very much, you are the first man who has ever come up to the standard. So with me I may be the first darn fool to come up to the standard.

Two miles north of the center of Hammond. You are right but in this case I was in fear it might be wrongly interpreted but on the other hand I think the city lines of Hammond on the ^{north} ~~south~~ is the south line of Whiting That tapering of the periginium is all up to you.

Luzula saltuensis for Putnam Co, I would delete

Thanks for see the correspondence on Car ex

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Well I must get ready to go to that funeral and sign off.

I am sincerely yours,

Chas.C.Deam.

You give me 482 as the number of plants you have from Ind. This means the number you have collected and goes in the list of collectors because you have more than that number of specimens from Ind, including those I have given you.

yes

Page 39 Under var. of *C. arctitecta* when you cite my specimen you
violate one of my rules to place prepositional phrases of time after place

Under distribution of *C. albicans* you say "Around the Great Lakes
Does this mean entirely around them? If not then may be about or
circa. Circa is a perfectly good word but not much used.

↙ Fernald does not follow this rule; see Rhod. 37: 334 et passim.

Almost all the citations I have seen, in monographs etc,
have the date following locality. See Woodson, Kech, Matthias
Serff, Wieg, etc. The date, I believe, is much less important than
the place and so this sequence gives the right emphasis
as well as being less awkward. One of the standardizations not yet sanctified
by the bot. or other style manuals.

Perhaps these authors do not consider a date alone to be
a prepositional phrase. Anyway when a scientific convention,
such as this, is long established and almost universally
followed, it is better to conform to it and grammatical rules
(every one of which already has its list of exceptions) be damned.

Think I had better drop the dates altogether. If I put
them before the localities, it sounds awkward to me and it would
apparently be setting a precedent to which I see no advantage

Gartenbauwiss. (80 G195) (cont.)

Einset, O.

Changes in hydrogen-ion concentration in the growing apple fruit. Gartenbauwiss. 11: 319-323. 1937. no.3.

Rudloff, C.F. & Schanderl, H.

Befruchtungsbiologische studien an äpfeln. Gartenbauwiss. 11: 251-271. illus. 1937. no.3.

Schanderl, H.

Befruchtungsbiologische studien an birnen. Gartenbauwiss. 11: 297-318. illus. 1937. no.3.

Hawaiian Plant. Rec. (Honolulu) (25 H311)

Shaw, H.R. & Swezey, J.A.

Scientific irrigation management. A review of investigations on plant and water relations, the Waialua irrigation investigations, the administration of plantation irrigation water. Hawaiian Plant. Rec. 41: 199-279. illus., plates. 1937. no.3.

Wadsworth, H.A.

The value of irrigation water as a factor in interval control. Hawaiian Plant. Rec. 41: 281-286. 1937. no.3.

Indian For. Rec. n.s. Botany (99.8 In22B)

Parkinson, C.E.

Illustrations of Indian forest plants. IV. Indian For. Rec. n.s. Botany v.1, no.2. 44 p. xx pl. My.29,1937.

IV. Hopea helferi (Dyer) Brandis, Hopea oblongifolia Dyer, Shorea floribunda Wall., Shorea asamica Dyer, and Shorea serceiflora Fischer and Hutchinson.

Parkinson, C. E.

Indian Terminalias of the section Pentaptera. Indian For. Rec. n.s. Botany v.1, no.1. 27 p. 3 pl. My.31,1937.

Indische Cult. (Soerbaja) (26 In2)

Uphof, J.C.T.

De cherimoya. Indische Cult. 22: 227-228. Je.16,1937. no.12.

Uphof, J.C.T.

Het voorkomen van minder bekende elementen in de plant. Indische Cult. 22: 222-223. Je.16. 1937. no.12.

Recd.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
ec.10 1937

Dear Hermann:—Just received your letter and gave it a hasty reading.

I answer at once, I am going up town to get my hair pruned for tonight wife's Club has the men folks and I must qualify, darn it. Too while up town I guess we will select a Chevrolet car. We need more trunk room, our old car has a box trunk on and you can not put any thing in it

Now as to the Ms. You just tuck the whole thing up and get to it some time in Jan. I know I can not finish before Feb.1 and it may be Mch 1 I have out of you all I now need, just so you do not change Map numbers so do not let this Ms. bother you a minute. When you come down you can bring it or we can use the duplicate here which is a little harder to read Now when you come down if you do not drive come early as you can so we will have as much time as possible. I want to use you on latinizing some names I will have to use.

Now you must rememer when ~~you~~ I made suggestions I did not give them thought I should have. I did not know that there was a 1935 U.S.Style book but it is ordered. As you say to subjugate yourself to a Style Man is in one sense too radical but on the other hand it makes for uniformity. The precedent is that "what is correct for the U.S.Governbn" should be O.K. with you but the New Deal has made it so that nothing is standard any more. In my introduction I say I follow Webster,U.S.Style Book, and Standardized plant names with the exception of lower cases botanica names which a violation of the Int. Rules of Bot. Soc. Amer.

I hasten to write this note. Now for goodness sake, Hermann do not

OVER

kill yourself. This is good advice but last night I had to take two shots of my Bromidia to get to sleep. I have been working three days on Rudbeckia hirta and I give it up although I have 40 sheets here from New York Gardens. Can explain when I see you.

Kriebel will be here tomorrow and we will go over the Oaks.

Again I say put the Carex, etc. away until sometime in Jan. Doubtless when the pagination will not be changed. I will not page the Ms. until the day before I turn it in. I do want to get the list of maps in a sequence if possible and if we have to a number, and ^{add} ~~add~~ a map O.^A. but I do not wish to omit a whole number. I can now number up to Chenopods and I have asked Just to send me on the number of maps he will use, and then I can finish the maps but Mrs. Winch does not have them all done yet. What worries me are so many unfinished things I have here of my own. The introduction should again be gone over. Wilson has not sent in the special maps, botanical areas of Ind. etc.

Best wishes, I am sincerely yours,

Chas. C. Deam

Repl.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Dec. 7 1937

Dear Hermann: The Juncus here O.K. Many thanks. I will get to it in a few days. I now have Rudbeckia on the block and I think I can finish in a day or two. New York Gard sent me 41 sheets of R. hirta, divergens, bicolor, and 1 sericea from Mo by Bush. You know how such plants come. They all seem of the "vest pocket variety" from old collectors who dried plants by any old absorbent thing. Few if any basal or lower cauline leaves.

Just received letter from Steyermark. He says our Solidago can. is the var. gilvocanescens and adds he does not think any thing of Friesner's paper. Steyermark says he will soon have a paper in Flora in which he will make Panicum Tuckermanii a var. of P. philadelphicum. Now I fear Steyermark had better be careful. I am referring my specimens of P. Tuckermanii to P. Gattereri. P. Tuckermanii has pulvina glabrous while P. philadelphicum has them hispid, and then too P. Tuckermanii does not look "philadelphish"

Well that is not my baby. I must now put to sleep Rudbeckia, Juncus, and then get back to Solidago. I jacked Steyermark up on his repudiating S. missouriensis and taking up glaberrima and morituri. He has a poor alibi. He says they thought that S. glaberrima was the correct name, etc. He now says he does not see why S. missouriensis is not O.K.

Steyermark says he collected 3,500 numbers, and plans to have a spring Flora of Mo. out for Spring Flowers. He said he would bring with him to Indpls some of the Ms. and wanted me to see it. Well that is not our baby either. I will write Dr. Just next and tell him he is like a cow's tail now behind, but the fact is that it Deam will be in the rear but I can take that O.K.

Weatherwax was here Sunday and he has two of those "I can not think of alphan that covers them] at least the Government pays them, assistants and he says they are intellectually honest girls and dependable and that they can change labels. When The name of a plant is changed I have been writing a new label and scratching off the old one. He says just attach a blank label and he will see to it that they are accurately changed. So that will relieve me of much work I am aware of the possible error in changing labels. He says he will have them doubly checked

...all I will sign off in order to have something left to talk about when you come. This man Steyermark seems to be a dynamo with some inclination to stampede things. he thinks Fernald is slipping on vars. and forms. He did not mention it but I might refer him to *Sagittaria cuneata*

Best wishes, I am sincerely yours,

Chas. C. Deam

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Memo to Hermann

In North Amer. Flora 19, part 1 just out I see Moldenke has made
Heteranthera dubia into Small's new genus *Zosterella*. That is now
I will have two monotypic *Heteranthera* if I accept Moldenke's
separation. I feel like letting it go in as I have in *Heteranthera*

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Agr. Gaz. N.S.W. (23 N472) (cont.)

Savage, C.G. & Broadfoot, H.

Internal cork of apples. Soil dressings of borax give excellent results. (concl.) Agr. Gaz. N.S.W. 48: 447-452 (incl. illus.) Ag.l, 1937. no.8.

Agr. Journ. Dept. Sci. & Agr. Barbados (8 B23)

Saint, S.J.

Manurial trials with sour grass. Agr. Journ. Dept. Sci. & Agr. Barbados 6: 1-19. plate. Ja. 1937. no.1.

Saint, S.J.

Manurial trials with sugar cane. I. The effect of time of application and amount of nitrogen as sulphate of ammonia on the yield of plant cane. 1934-36. Agr. Journ. Dept. Sci. & Agr. Barbados 6: 20-41. col.plate. Ja.1937. no.1.

Stevenson, G.C.

Sugar cane spacing experiments. Agr. Journ. Dept. Sci. & Agr. Barbados 6: 42-48. Ja.1937. no.1.

Agr. Journ. Fiji (25 F47Ag)

Dass, C.M.

Fiji hybrid cotton - no.172. Agr. Journ. Fiji 8(3): 18-19. 1937.

Simmonds, H.W.

The biological control of the weed *Clidemia hirta*, commonly known in Fiji as "the curse". Agr. Journ. Fiji 8(3): 37-39. 1937.

Surridge, H.R.

The grasses *Spartina Townsendii* and *S. Brasilensis* in Fiji. Agr. Journ. Fiji 8: 22-23. 1937. no.3.

Agr. Library Notes, U.S. Dept. Agr. (1.9 L61La)

Barnett, C.R.

Frederick Vernon Coville - friend of the Library. An account of his contributions to the early development of the Library's collections and bibliographical equipment in the field of botany. Agr. Library Notes, U.S. Dept. Agr. 12: 95-103. F.1937. no.2.

Mimeographed. Includes an account of the inception and development of the Botany catalog.

P. J. J.

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INDIANAPOLIS
Bluffton, Ind.
Dec. 6 1937

Administrative Officer
V. M. Simmons

Dear Hermann: I have your long letter and postal card relative to *S. can.*
var. gilvocanescens. I am glad to learn you agree with me on this. I told you
I wrote to ~~Max~~ Steyermark but I have not yet heard from him. This is really
my first letter to Steyermark so I do not know how prompt he will be. But
the Lord knows I am busy, so busy I have the jitters. Just got two boxes
back from Moldenke and a box of ~~xxxx~~ loan *Lena* Rudbeckia. They sure have been
generous in the sending so I now should be able to make out what *R. hirta*,
sericea, *longipes*, etc. are. Got a letter from Friesner today and he found
Sambucus nigra as an escape in Tipton County.

Now I am going to only hastily answer your nice letter. I am surprised
that you was not infuriated at my letter. I do not quite understand, but
it seems that if you think I protest the use of the present participle.
No, -tapering into a beak, etc I think just the thing. If I wrote to the
contrary it was not at one of my lucid moments. Darn if I am not getting
so senile that when I go to urinate I must stop and think to be sure I am
not using the hot air register. Wife is callin dinner.

I think I would do well to go over my own Ms. and give it half the digs
I gave yours I would give Harriet something to do. Well I will reread your
letter and swer what is necessary.

Weatherwax was up Sat and ret. Sunday with about 10,000 sheets. These
were stored. Of course this is the way it is. "hen I have say 25 sheets of
a species I usually divide them at A-L. and M- Well I give the M- which
leaves me ample for comparison. In fact my herb. here houses all the
rare species and only those that are common to the state get away. So my
herb. is not depaupertaed and I still reserve large s ries that are apt to
need restudy. OVER

Yes I hope to have a fine time with Weatherby. Now I do not see that it is necessary for you to hurry back. It will suit us just fine for you to come any old time. We will not have any one here for Christmas and we will not go any place so the place is clear for coming or going so far as we are concerned. You do not say if wife and family will also come or not but I presume such a long cold trip will not be very enticing. If you come alone we can leave here in the morning at 8,45 A.M. and get to Indpls at 9,15. Or leave at 9,00 and get there 11,15 = 3rd round trip - 100 mi

Will suit me just fine for you to come Sunday or Sat. but I know you will want to be home with your family on Christmas. You have not yet been broken in. I have for the past 25 years attended the A.A.A.S. meet and I know I best before the meet than after and nearly every Christmas I have been away. At Boston Meet. I went about 4 days ahead, same at N.Y. and else where so Christmas does not mean so much to me as to you and others. Again I have no relatives here so wife took chance to visit here at Indpls.

Now you set a date when you can best come and it will fit in here just O.K.

Yes I plan to use Weatherby. I want him to pass on Toxicodendron radicans var. littoralis of which I have a fairly good series. Of course Weatherby will have a list of "interior" plants he will wish to see and any thing that interests him will interest me. I will try to loan a microscope so I will have two here and then I have a third that can be used.

I note you say you have no Luzula maps. Harriet just returned them and I send them all to you. Please return when you are thru with them. You can bring them at Xmas time.

Thanks for the trouble about the bryophytes. Since they are not eating any thing beside moth ^aballs I will let em ride.

Thanks for your note on Calamagrostis neglecta. I will make a mem to go over my C. inexpansa for it. However, I think Hitchcock or Chase O.K. all my C. inexpansa. C. inexpansa is a strongly calcophile with us while C. ~~crispata~~ can prefers ~~the~~ peat and muck

Thanks for invitation to go to Alamazoo County. I promise nothing now.

This Flora business is like an alcoholic jag, it seems to hold over on me.

Periginea and ginium are O.K. I think I called the attention of having both plural and singular subjects in same lead. Probably grammatically correct but I believe if it could be made uniform it would distract less. Your letter brings out the great need of the standardization of description ecological as well as technical terms. It just seems to be hazy with me but was not a Committee appointed at Pittsburg meet to report on this subject. If not this subject should come in for a good discussion. A good talk by some like you who could read some of the many terms used and give the many interpretations of them should wake people up. Remember progress in ecology or any thing else is made by efforts. You can not get any where by letting George do it. In your ^{leisure} moments you might note down some of the monstrosities and my Flora will well serve your purpose.

I agree with you the omission of "This species, etc. is wholly tautologous since the subject ^{is} the ~~a~~ named species. Wiegand or any one else, especially if book space is needed, do the right thing when they step out on the right foot and begin to say something. Of course if the grammarian wishes to parse a word he will have to reconstruct the sentence or expand it.

As to me and the goldenrods. I have not looked at them for 8 days now and not this week. I just received back from Moldenke the remainder of my Verbenas and from the N;Y. Gardens a lot of Rudbeckia so I can name up my R. hirta complex. They sent me 41 sheets of R. hirta, sericea, R. bicolor, R. divergens, R. longipes. Now from this I will be like a god ^{dog} chasing his tail. At least after the study I can lie down and rest about it

I usually have some Memos for Hermann but I find none. So you are spared. So far as I now know every thing is fair here until I get the "ec. no. of Rhodora when the dust will begin to fly.

Now in going over the Carex if I can be of service, let me know I do not know how long it takes for mail to go both ways, but I usually write so it goes north at 5,00 P.M.

I am sincerely yours, Chas.C.Deam.

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INDIANAPOLIS
Bluffton, Ind.
Dec. 3, 2,00 P.M.

Administrative Officer
V. M. Simmons

Dear Hermann:- Well I just finished the Carex and Mrs. will take to express office as soon as I finish this. Now there will be no rush about the return of the Ms. except I can not page the final Ms. until I get it all but that does not matter. The final paging can be done a few days before I turn in the Ms.

Well Hermann if the many dirty mean things I have said in going over the Ms. does not "Get up your dutch" then I will say you are an Irishman

Now I hope you will consider what I have said, remembering I am a grouch and not menattly all there. Most of your errors are only not my way of stating things. Some have grown out of the fact that I am strictly following the Style Manual. Well what is written is written and I am going to let it go at that. I know my long explanations will vex and tire you, but always consider the source. Now if my suggestions bring any thing up, write. Of course what you and I see wrong will probably never ne noted by the ^{users} ~~users~~ of the book

Here are some questions

Do you know the total number of Indiana specimens you have. Mrs. Winch seems to have lost count. She wants it to fill out the list of collectors

Say you have 139 carex for Ind. Mo. Flora has 108, and Ohio 52. So our neighbors have something to shoot at.

What style of type do you wish for the Sections in the Key. Regular, italics, boldface, small caps, or what. Please indicate in Ms. or in memo at top for the Printer.

Here is one of our style rules that you did not use. hen we have three subjects or more in a series we add the last one with **XX** ", and)

I have made a memo to add acent to final Ms. OVER

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Say I enclose a list of "big words" you use that will go into the glossary/ "ill you please define as briefly as you can for the glossary and oblige. I would have to resort to Jackson's Botanical terms and I might not state it as well as you can.

Return definition with words at convenience, not too long off because I am trying to close this darn thing.

Say I am going to write the New Deal to have a closed season on this botany business until I get my MS in. Received a letter from Pennell this morning that *Commelina* ~~XXXXXX~~ L. there is no such an animal. Linnaeus had three things in on his sheet of *C. communis* and it now becomes *C. debilis* Ledeb.

And that *C. longicaulis* Michx becomes *C. diffusa* Burm.f. See Jour. Arnold Arboretum ~~xxx~~ 18: 64. 1937 where E.D. Merrill makes a dust. Pennell writes he had hoped to have it pub. in *Bartonia* for Dec. but fears he can not and must appear later and possibly the Proc. of the Acad. *Commelina nivalis* (L.) B. & B. Illus. Fl. is a synonym of *C. longicaulis* so it becomes *C. diffusa* Burm.f.

Now what is next? Well *Rhodora* should be on the road now. Help me to get the latest names up to date of binding the Flora. Wife and others think I am foolish to keep the Ms. up to date. Not me. I admired the Mo. Flora for that very thing. They had the very latest names. Well Hermann I do not think of any thing else. Weatherwax will be here tomorrow P.M. to get a load of specimens

When you get cooled of, write at your wish. I am sincerely yours

Chas. C. Deam
Got all the Ms. and stabeed maps from Harriet today. Think that old lady is lying down on the job. She has a lot yet to do.

I just received the Ms. on Primulacea. I enclose the carbon which if you have time, please read. Here is your chance to get even and do not miss it.

I wrote the office to send you 200 sheets of white paper and 200 yellow sheets. Please let me if you receive them. I must keep check on the guys at the office.

Per. 12 13/37

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INDIANAPOLIS
Bluffton, Ind.
Nov. 30 1937

Administrative Officer
V. M. Simmons

Dear Hermann: Well your letter and Ms. came yesterday. It is quite a "tome". Well the darn thing is so interesting I read until 10,00 last night until my eyes went out. Well I knew I am stupid but now I qualify for a darn fool. In the first pages I used a red pencil to indicate changes and used the back of the sheets later I woke up, recalling that you set an example of laying in or attaching sheets on which you made corrections and did not destroy Ms. Please pardon and charge to gross ~~incompetent~~ incompetency.

Well I had no idea "how queer I am". We have adopted a style in the Ms. and have tried to adhere to it rather rigidly. I express things differently than you (both right but since the major part is written my way I have indicated where you depart and if you agree we will make it uniform. I have no objection any where for you to maintain your style. Now of course I wish to to add at the beginning, contributed by you and you add such titles, etc. as you see fit. But I think it should carry with it, Dept. of Botany, University of Michigan and in this may be you had better consult Bartlett because you know it will be on the separates.

Now I wish Harriet was here. She remembers our peculiarities. In introduction I say we follow Webster's Dict. U.S. Style Book, latest ed. except in the Decapitalizations of certain words, etc. My recollection is that you prefer to adhere to the Wood's Suggestions to Writers pub. by U.S. Geol Surv. I have never compared them closely to see if they agree or not. You know if you walk backward you never stub your toe. You can not follow both God and Mannon. We started out with the U.S. Style book and then we got a late Edition and Harriet went thru the entire Ms. and made corrections such as deleting the periods ~~ex-~~ after abbrev. of metric system, etc.

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over

I had most of ^{of this} ~~his~~ stuff in her (Harriet's) name as she had ample time to ^{study} ~~study~~ up on it and now she is not here.

At first I did not just get your way of expressing that the perigenia tapered into a beak. I have a careless way of using tenses, present and past, etc. So it seems that you in some instances you describe a thing as inactive and then by using present participle you put them in action. I doubt if the active way should be much used. You are compelled to use the progressive form (present) in many instances and can not get away from it. One of the classic words would be, forming (this or that) "all this will come out in my suggestions but I plead for you not to take my suggestions too seriously

"ell I swgar if I can remember from one day to the other waht I write Did I tell you I got a card from Weatherby that he planned to stad a day or two with me after the Indpls Meeting. M. Hopkins will also be here. How if you can come we will have a crowd

I am having trouble with the goldenrods. God I wish I could remember what I write. Did I write you that I am questioning Friesner's Solidago canadensis var. Hageri Fern. Jernald in original description says "Stems villous" Now I would not call the stems of our plant villous. Only pubescent ^{or h} and villous is a long pubescent thing. You can scarce distinguish S. canadensis var. Hageri and S. altissima except in the length of the involucre. Now I have specimens of S. canadensis var. glivocanescens from Minn. N. Dak. that just ^{match} ~~match~~ our S. can. var. Hageri a la Friesner. Boubtless it is a common plant with you. It looks just like S. altissima in the feild which ^{has} is a pyramidal inflorescence while var. Hageri usually has the inflorescence looser and more spreading. If you have any dope on this please give it to me

As to the maps, you keep all I sent you an forget it

Be sure to let me know when you decide to come to Blurton. Kriebel is waiting for the "go sign" some week end. after Dec. 4. I am to get my oaks and he wants to go over them with me. I do hope you can make the Indpls trip

Well I will sign off. and jump onto the Carex Ms. you will get it back in about 2 days. My eyes will not permit constant work. Sincerely yours
Chas. O. Deam

Memo to Hermann

See Jour Heredity for Oct.1937. Please sketch the first article on blue grass pastures. The genetic change *Poa pratensis* in 35 years should soak in on taxonomists and on collectors.

Say I have about 4 boxes of named mosses, etc. I had it in mind to give them to Ind. University but the idea came up may I could sell them to U. of Mich at some price. All are Ind. mosses I collected, probably 200 species. I have no idea. All named by Miss Welch, T.G. Yuncker. The stuff I have enclosed in newspaper pockets and often there is sufficient material to make several specimens. [&] Paw University has a complete set so there is a set in Indiana. At Ind. U. there is no one there who knows a moss from a Lycopod

Dear Hermann: 10,00 Friday. Just received your package of *Carex* trouble. Stick to your guns, Do³ eliminate self. Get all the dope you can and the use your best judgment.

I will hasten to return the Svenson letter. If it is any consolation will say others have troubles. I am now in Solidago and into a section that all look alike to me and as usual I need more specimens for comparison. According to books (descriptions) we have *S. arguta* but Friesner deletes it. Well I have not yet studied these sufficiently to make a decision.

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

Rg C. 11/27

Journ. Sci. Soil & Manure, Japan (J55.8 J27) (cont.)

Onodera, I. & Kageshima, J.

Investigation on the influence of silicic acid upon the growth of plant. I. Influence of silicic acid and potassium upon the growth of paddy rice. Journ. Sci. Soil & Manure, Japan 10: 318-333. 2 pl. S.1936. no.3.

Japanese with English summary.

Sakai, N.

Influence of organic manure on the yield and quality of vegetables. Journ. Sci. Soil & Manure, Japan 10: 37-46. Mr.1936. no.1.

Japanese with English summary.

Shioiri, M. & Mitui, S.

On the chemical composition of some algae and weeds developing in the paddy field and their decomposition in the soil. Journ. Sci. Soil & Manure, Japan 9: 261-268. illus. S.1935. no.3.

Japanese with English summary.

Tesima, S.

On the relations between the amount of blasted corns and the contents of nitrogen, sugar and starch in the stems and leaves of rice plants. Journ. Sci. Soil & Manure, Japan 10: 354-369. S.1936. no.3.

Japanese with English summary.

Tokuoka, M. & Morooka, H.

Ueber den einfluss des bors auf das wachstum der reispflanze. I. Die wachstumhemmende wirkung des bors. Journ. Sci. Soil & Manure, Japan 10: 189-200. illus. Je.1936. no.2.

Yamamoto, K.

Influence of aluminium sulphate on the sititoi (Cyperus malaccensis). Journ. Sci. Soil & Manure Japan 9: 365-376. D.1935. no.4.

Japanese with English summary.

Kolloid-Zeitschr. (Dresden) (384 Z315)

Osterhout, W.J.V.

Ueber einige chemische und elektrische eigenschaften von protoplasmaoberflächen. Kolloid-Zeitschr. 77: 373-382. D.1936. no.3.

Experiments with Valonia, Halicystis, & Nitella.

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INDIANAPOLIS

Bluffton, Ind.
Nov. 23 1937

Administrative Officer
V. M. Simmons

Dear Hermann:- I have you long letter and I am sorry it is necessary for you to take so much time to write to me. In regards to maps will say I am sending a few of both kinds I have here. Keep em all, etc.

I am exceedingly glad you have become "politician" and have rubbed Fernald the right way. He who laughs last ~~next~~, laughs best. Poor Fernald is beginning to realize that a revision of Gray's Man. is a man's job. At Indpls. I will try to get some data out of Weatherby about this Man. business. I just have a low down feeling that the Gray Man. will leave out the species that are not found in the U.S. and I know Fernald has had a Flora of Nova Scotia, or some such a title in Ms. for years because he told me so. So do not be surprised that there will appear first a Flora of Nova Scotia, etc before the Revision and as soon as he has made all the sales he can when the Gray Man. will appear. In fact I agree with him to exclude the extreme NE species that do not occur in the U.S. This will simplify the manual a lot. Probably 500 species

Now as to your troubles. Do not come to me for advice. You might as well appeal to a telephone pole. I know nothing about any thing any more I am getting so darn senile I must soon wear identification tag and I plan to buy a hearing devise before I go to Indpls. Think you will decide to attend the Indpls. meet yet. You can send the Ms. down by express. Now if the Ms. is for your thesis why not keep the original and send me first duplicate. I need only one copy. I do not need a duplicate. I made a duplicate ^{if my glove} so that in the event the original is destroyed there would still be a copy available. Your copy will serve as duplicate. so just send me one that is all that is necessary OVER

Then when it comes time to attend the A.A.S. load up a load and bring them down and then you are almost to Indpls. You can leave car here and round trip via Traction is only 3,00. I will take traction because I ^{can} make round trip for what storage would cost cost me. Of course if you would have family and wish to make the Indpls trip that would be different. Oh well this is far in the future but something to think about. I plan to go to Indpls early Nov.27.

Now I will take up your letter. Now as to name tinkering you can keep at it until the galley proof goes in. Of course corrections cost money but corrections must be made.

The question of distribution of certain Carex in northern Ind. that appear again in the unglaciated area is O.K. at least in part. Some doubtless do exist in the space between but some I feel certain do not occur. If you will take the grass book you will find the same thing. For example you know Panicum depauperatum and I doubt if you find it in the Tipton Till Plain. Panicum schaerocarpon is another grass. I think when you investigate the northern plants you will find that they have had a lateral route to get into Ind and never crossed the Sahara of the Tipton Till Plain. We have several good examples in the Coastal Plain plants that are found in the Kankakee R. Valley, Dune Area to reappear in the Lower Wabash Valley. Doubtless when the Flora comes out the maps will show up a good many things but it must be kept in mind I did less work in the Tipton Till Plain because working corn and hay fields would not net much. Kriebel's work in Henry County has shown that many of the lake plants are down there in the old lake area of Henry County but the Henry County habitat is not duplicated in other counties although Wayne County had a few spots. Likewise Madison County had a cranberry marsh of about 15 acres, now extinct or nearly so. So in the long run probably most of the marsh plants could have been found throughout but the dry sand plants no because the habitat is entirely wanting in the Tipton T. Plain.

Thanks for see^{ing} your letter to Fernald & reply. You are O.K.

Solidago Deamii I think will be a synonym in the near future. If the species did not bear my name I would junk it right now. Will show them to you when you come down.

Now remember the best apple tree has the most clubs. You must pioneer. Of course Fernald will try to hold out on you if he can, Take ^{as much as} of his advice you can and if you can not see his way adopt your own. Also go ahead and explain why, if it takes a half page to do so.

The non-saline habitat is something I do not understand. In Wiegand's Flora he often speaks of a plant restricted to the Saline Habitat about Ithaca while we have it is a common plant in calcareous habitats.

Now when you come to items on which you and Fernald do not agree, why just pull off and if later you have to take ^{it} on the chin you by that time be able to do so.

Of course if you do relegate some of the things in question may be next year we can find some of them. At least we can take a chance. We did find the C. Deamii. Put conditions change so rapidly. I think one of the questionable ones is from Tippecanoe Co, 4 mi. ne. of Lafayette. I revisited that place but I did not find it but I did not know one Carex from the other. I will take you down there and scour the country until we do get it. An later you can present a paper to include what you do find. It is a good thing you did dig some of the C. Deamii which stops argument on that one.

As to the Carex umbellata I think the way out you suggest is O.K. L.H. Bailey in Oct. sailed for the West Indies so you will not hear from him. As to C. viridula I sure would give the American plant a distinct name.

As to Buhl's work treat it as a beginner. Suppose he never looked at a Carex until he looked up those in his list. Remember he was a young man who had not a "half century" experience.

"ell I guess this will answer your letter.

The genus Sparganium has got me beat. Have never had time to get into it. Well I have been on Solidago for a few days and will keep on it until I finish. Yesterday I worked the S. nemoralis var. decemflora (DC) Fern. I laid away two specimens for you. Occurs in the dunes with S. racemosa var. Gillmani

Well Weatherwax will be here for week end Dec. 4 Then I will get my Rudbeckia
and Rus for revision

Hodgson wrote me 10 days ago he would send my ^{check} on at at once
but they not yet arrived. Otherwise every thing here in statu quo.

Best wishes, I am sincerely yours,

Chas. C. Deam

Bluffton, Ind.

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.,
Nov. 17 1937

Dear Hermann:—I have the Book O.K. and your two letters.

I note you say you had not answered the ^{what}Fernald letter. I hope ere this you have and soft pedaled too the limit. The thing to do is to "use" him if you can and not get into a controversy that can not end.

You ask me what I think of a Coastal Plain Carex appearing in Tipp. Co. I do not believe such a thing can happen. If it was in the Kankakee Region it might be O.K.

As to the choice by authors of *Oederi* var. *pumila* and *C. viridula*. It would not lend too much to majorities on this because most of the authors probably did not study the plants but went by authority. Few authors except Mackenzie, Fernald have had a chance to investigate. Probably Bailey did many years ago and may be Wiegand did. I do not know how much you are depending upon Victorin but expect him to be sort of independent and investigate. Other American authors I would pass up. I quite agree with you the geographical segregation seems ^{not} very plausible. We have very few instances of such a distribution if I recall, even in grasses. We do have some that cross to N. A. and come down along the east coast but I do not recall a single instance where we have instances of Central European plants in Ind. as native. *Poa pratensis* may be one and others I do not now recall but I know they are few. Many of the flowering plants were so regarded but you will recall Fernald is segregated many such, such as *Menyanthes trifoliata* var., etc. Sit tight in your chair and be prepared for a shock.—Weatherby wrote me this morning that he planned to attend the A.A.A. meet. He sent a card asking about hotels, etc. Now I guess you will attend the A.A.A.S. meet.

Suggest him to bring his boy (Mrs. F.) along.

Now as to Bartlett's criticism I will say I want the book to be Queen's E English and I am too thick headed to see what is wrong. Poa annua. Reported by Deam for Wells County in Rhodora, etc. Doubtless this report (antecedent all that has been stated before which is built around Poa annua) should be referred to some other species (meaning of course some other species of grasses or plants. I will take this up with Mrs. Winch and she will bring in her husband who is a teacher of English, etc. I do not believe any one would understand what is meant or could possibly misunderstand. Of course that is not the thing. The point is a question of English, nicht var Send the original of Carex and for second copy send me third copy which will be O.K. Now no hurry about the Ms. Of course I want it as soon as you can conveniently get so Weatherwax can name the maps but he will be blocked at Juncus and again at Chenopods.

As to the sequence of Junci species do as your darn please and it will be 100% of a job. Dr. Just had his course under Vierhapper and he thinks he is a great botanist

Now as to what I have done in arrangement, mine has in all cases to use the one in the key and the keys have been made without any reference or thought of lineal descent, evolution or any thing else morally or politically. No need to divided Juncus in sections (if in the key you wish to bracket at the end of the lead (Sec....) O.K. with me

Well the Lord is generous and paternal in that he passes around a good lot of troubles. I am now having mine with this darn Rhus. Will not say a word, hoping to talk it over with you when you come down.

Had a nice letter this morning from Dr. Just. I jacked him up about not using bold face for new species, etc. and italics for synonyms, etc. Told him he had one of the best magazines in the country and for him to adopt in toto the Biol. Abstracts way of writing. He says their linotype has no bold face letters but he is hoping to get a change. Such letters as mine calling attention to their bucking or antidiluvian manner will help him get the idea thru. Enough. Think I have answered your letter, I am sincerely yours

Chas. C. Deam
Bluffton, Ind

Ref 11/18

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INDIANAPOLIS

Administrative Officer
V. M. Simmons

Bluffton, Ind.
Nov. 16 1937

Dear Hermann:-Your letter of Nov.12 and card of Nov.14 here. I send the Carex on at once and I include a few items, all I have in pigeon hole marked "For Hermann". You will note I have followed Fernald in uniting Lysimachia and Steironema. If the Gray Man. has it that way I had better. Fernald has managed to retain the Walter name for Steironema lanceolatum () Gray. Now some smart guy will come along and look at Walter's type and say it is not Michaux's L. heterophylla. Well I tell you it is best for me with my senile mind to follow Gray Man. Too I would advise you in your write up to follow Fernald if you have serious doubts. In a Flora you can not take up a page or more to discuss nomenclature. This should be done in a magazine article. Of course a short digression would be O.K. You must know that Fernald is a past master since he has been studying the genus 50 years preparing himself for this especial controversy. You should respect the precocity of one who began a serious study of Carex at 14 years of age. Really marvelous when you think of it. Or possibly Fernald has his chronology somewhat distorted to fit his egotistic make up. I know one of the hardest things for one like you is to swallow his pride. I advise it in this instance and take all the advice you can and thank him for his interest in the matter, etc. As time rolls on the truth will come to the surface. Just as he turned me down on ~~DIOSCOREA~~ Dioscorea, later if he lives he may regret it.

Now I will be on your side in the fight and do not let him Japanese you if you think you are right. I know you must feel like "breaking" with Fernald but you can not afford to do so. There are plenty of avenues for publication but do not let them get sore OVER

I know nothing about the questions you bring up and you must be the judge. Now you go ahead and make conservative decisions and let us publish them and let the world, including ^{your} eternal worry. But always keep in mind the "50 years" experience.

I enclose my copy of *Chic Acad. Sci.*, which return sometime and oblige. When you are the herbarium and can spare a few minutes I wish you would look at the under surface of the leaves of your *Rudbeckia hirta*. See *Rhodora* plate opposite page 453 and the discussion (key) on page 458. I have no plants with the pubescence he shows except one from Florida. Our plants are like his *R. sericea* except the hairs are spreading.

I started last night on *Rhus*. I scarce know what to do. Split it into genera *Rhus* and *Toxicodendron* or let it go as *Rhus*. Barclay says the two genera were separate back as far as the Miocene at least. Barclay makes *Rhus Toxicodendron* a synonym of *R. radicans* which I think is correct. Linnaeus described *R. radicans* first in his *Sp. plants*. He describes a glabrate, entire leaf plant which probably is what is now known as *radicans* var. *littoralis*. Then he follows with his *Rhus Toxicodendron* and describes it as pubescent, and margins of leaves more or less dentate, etc. Size of plants not mentioned except in the last he quotes one author who says it is arborescent. Now neither description takes in all our many forms. The plate in *Dill. Eth.* which I have is plainly the erect glabrate ~~max~~ plant of our dunes. I guess I will leave my Ms. as it is, all *Rhus* and use *Rhus Toxicodendron*. Well I will not bother you with this, neither can I do research work in working it out. I do not have the time or ability.

Hoping to see ^{you} the Thanksgiving holiday when we can talk, discuss and cuss until we are satisfied.

Sincerely yours, Chas. C. Deam.

Repl.

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~~INDIANAPOLIS~~

Administrative Officer
V. M. Simmons

Bluffton, Indiana.
Nov. 13 1937

Dear Hermann: You decide if this is an invitation, command, or just a meddling into some one else's business. You know we will soon have what is called the Thanksgiving holiday. Why not come down at that time and stay a few days and we will root around in the weeds here. We have no invitation to go and where and I do not want one and we are not entertaining any one so the coast is clear. Do your darrest.

Say I just finished today your box of excluded species. I sure had plenty of errors. I had no idea I used the , no doubt, so often. I looked it up and it, doubtless and undoubtedly are the same. So I have adopted the doubtless to express this thing. If you see any reason why not let me know. Wish I could go thru entire Ms. and reduce it to the same thing.

Well I have finished Steironema and have adopted Fernald's nomenclature and combined Lysimachia and Steironema as he suggests and uses. I do not know how closely you have studied if you have had the time to do so his article in last Rhodora. I have finished it except Rudbeckia hirta. According to him we have no *R. hirta* but ?? I do not know. He describes *R. sericea* as a plant with appressed hairs (probably after they have been thru the old fashioned plant press. Our plants are strongly hirsute with spreading hairs. I am going to send to N.Y. Gardens for authenticated specimens of *R. hirta*, *sericea* and *longipes*. Think I sent you a specimen of the last. Fernald says *R. hirta* has "bald" places on under surface of blades, nothing like that here (15 sheets). I have sent for my main material which is at Bloomington.

Fernald's two varieties of *Galium circaezans* is not well marked with us

OVER

I isolated 3 out of 73 that might well be called that var. Probably when this is dug into he is O.K. I am moving with the tide, not trying to go up stream, if I ^{float} ~~flora~~ down I will probably meet fewer obstructions.

Well I feel like I am closing on this Flora business. Tomorrow I start on Rhus and then all I will have will be Solidago and to rewrite Rudbeckia hirta and ^{Ueches} ~~Ueches~~ in Dec. I thought I had done a pretty good job on this but Hodgson wrote me early that he would rewrite my key.O.K. which probably means we will have some new things to add. He did write me that our L. Leggettii is an inland var.

Wife is hollering supper, so I must beat it.

I find I have only one Memo to enclose

Chas.C.Deam,

Bluffton, Ind.

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Memos to Hermann

I do not know if *Carex picta* article is worth any thing or not. I could not hear the guy who read it. Kriebel says the range of this species is very much restricted as to soils. he has studied the range in Ind. pretty much and has tried to find it south of White River but no. I have looked for it in Clark County and keep an eye out for it in all southern ~~xxx~~ Ind. Hermann and old buddy who is now dead spent a day in Washington County in the "Knobs" looking for it, yet no.

I sen you program of Ind. Acad.Sci. Do not return

Trudy Bot. Akad. Nauk SSSR Ser.I (451 Sa21) (cont.)

Krashennnikov, I.M. & Shishkin, B.K.

K sistematike Kavkazskikh predstavitelei roda Ornithogalum (A contribution to the systematics of the Caucasian representatives of the genus Ornithogalum L.) Trudy Bot. Inst. Akad. Nauk SSSR Ser.I (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 3: 151-155. 1936.
Russian with Latin diagnosis (*O. magnum* n.sp.)

Krashennnikov, I.M.

Novye slozhnotsvetnye Azii (New Compositae from Asia). Trudy Bot. Inst. Akad. Nauk SSSR Ser.I (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 3: 343-354. 1936.
Russian with Latin diagnoses.

Krashennnikov, I.M.

Novyi vid roda Crucianella iz Srednei Azii (A new species of the genus Crucianella from Middle Asia). Trudy Bot. Inst. Akad. Nauk SSSR Ser.I (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 3: 283-284. 1936.
Russian with Latin diagnosis, *C. baldshuanica*.

Kupriianova, L.A.

O stepnom podorozhnikhe, izvestnom pod nazvaniem *P. media* var. *urvilliana* Rap. (Ueber den steppenwegerich, bekannt unter dem namen *Plantago media* var. *urvilliana* Rap.) Trudy Bot. Inst. Akad. Nauk SSSR Ser.I (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 3: 277-281. illus. 1936.
Russian with Latin diagnosis and German summary.

Lozina-Lozinskaiã, A.S.

Materialy k monografii roda *Cortusa* L. (Materials for a monograph of the genus *Cortusa* L.) Trudy Bot. Inst. Akad. Nauk SSSR Ser.I (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 3: 229-255. illus. 1936.

Russian with brief English summary and Latin diagnoses; seven new species in *Cortusa* and one in *Kaufmannia* (*K. Drachyanthera*).

Lozina-Lozinskaiã, A.S.

Sistematičeskii obzor dikorastushchikh vidov roda *Rheum* L. (The genus *Rheum* and its species, a systematic review). Trudy Bot. Inst. Akad. Nauk SSSR Ser.I (Acta Inst. Bot. Acad. Sci. URSS Ser.I, Flora et Syst. Plant. Vasc.) 3: 67-141. illus. 1936.

Russian with English summary and Latin diagnoses of new species.

Repl. 11/12

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INDIANAPOLIS

Bluffton, Ind.
Nov. 8 1937

Administrative Officer
V. M. Simmons

Dear Hermann: I have your letter of Nov. 5 Many thanks for prompt reply

Dr. Just is making corrections to Sister McDonald's work and I forwarded the ones you sent me but I warned him not to use the two vars. nov. until your paper comes out. I probably should not have sent them but his mega zine will probably not come until until late in Dec. I did not give him the Luzula

Please go ahead and add to excluded list the two Carex you mention that I had over looked, viz: C. Merritt-Fernaldii and hormathodes. Wipe the slate clean and let em take their beatxins. Sorry to learn about trouble wit Carex stricta.

In regard to Aellen's papers on Chenopods will say Dr. Just has all of them just now. If you can postpone your research on them until he is thru you can have them as long as you like.

Well I got Rhodora this morning and I hastily glanced thru it. It will take me sometime to bring Flora up to date. You will note he has messed into Steironema. Think I told you I sent them my key to the complex and I note they use my key character, etc. Now I just revised this genus for the last time a few days ago. I sent it to Mrs. Finch to copy. I wish you would go over it when it is returned. I will go over Fernald's article closely and make notes on it. Now I do not wish to be obstinate but I wish to state emphatically I am no hero worshiper. Gray was a great botanist but his work carried no obligation to twist nomenclature out of shape to use his names. I note that Fernald has done so if I understand and I will possibly let my work stand. I do not wish to place a burden upon you but if I am O.K. I want to know it. Leave your opinion be absolutely unbiased. More of this later.

So far as I now know we are even and up to date. Sincerely yours

Chas. C. Deam.

Here is the way I feel about it. At Gray Herb. any thing that Gray did is correct if it is not correct, just simply because Gray said so. At Notre Dame E.L. Greene stands the same. You dare not question E.L. Greene but any one an all have perfect liberty. to percesyte, kill, or otherwise maim Rafinesque.

Doubtless in your work you had access to Buhl's article on the Pepon Flora pub. as a supplemt in Chicago Acad. Science vol.5, no.2. If you do not have I will loan you my copy

Deam

P.S. Many thanks for the 16 specimens of fine grasses. Some I think new to my collections.

Thanks.

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Out of letter paper again. They usually send me about 50 sheets at a time.

Bluffton, Ind. Sunday, Oct. 31 1937

Real. 11/5

Dear Hermann:- I am getting to be pretty rapid fire but this P.M. I feel so bum I do not want to tackle any thing else today. So. I will clean up the correspondence. I have just finished *Baptisia tinctoria* var. *projecta* Fern. I feel certain this is wrong. I use the typical species and this var. name for the large plant. You will recall I sent you some seed of both forms. Did you plant them, and please the results. Fernald's write up in *Rhodora* last number does not sound right to me. Pennell and Bayard Long had all my Ind. specimens of the one I have here in my yard. They sent me all the specimens they had(3) and told me to keep one which I did. They write that they think my plant is *B. alba*. I had a *B. alba* from S. Car. and it is nothing like it. I sent this to them to keep in exchange for the Starke Co. specimen. Well to the point. If Father Time does not beat me to it, I am going up there year and collect plants. I got one this year and I made no record where I planted it so I do not know what of it. Think I know exactly where it is planted. If senility gets me, Father time will be welcome any old time.

I wrote Fernald I had a nice lot of *Dioscorea* from Kriebel and I made a collection of my own here and I would be glad to send them to him to look over. My specimens he could just discard. He writes "he would hardly be justified in accepting my kind invitation to go over your whole series of *Dioscorea*, since I must press on with the group after group and not go back too much on my tracks". I guess that is my trouble, I back track too much. However, I think I profit by it.

Much obliged for the duplicate of the Ms. As to the publication you do as you think best. Send me the bill.

Here is your letter of Oct. 22.
Say I am glad you refer to Friesner's Presidential address. I had catalogued the rest of the Proceedings but missed this address. I heard only a part of it last year. Here is one place that Friener did not consult me. You see I am the only one who has a complete list of Indiana plants (Except since Dr. Just in last number of *Amer/ Midland* published that Nun's Paper. OVER

Dr. Just wrote me to learn if there were any errors or corrections in by the printer, etc. There was not a single one except I made an error in the var. *ambigua* (Nutt.) Fern. in *Scutellaria*. I omitted Fern. That was good clean proof reading. I am using this list (I got a separate) for nomenclature. It is quicker to get it there and look it up elsewhere. Of course as you know ^{Friesner} is not a "big botanist" except in generosity and in hard work. I happened to turn to prairie plants as indicators. I have always thought that *Silphium laciniatum* one of the most absolute typical prairie plant we have. It never errs. Well we will not discuss this paper. While Friesner has had a lot of field experience is has been rather local, ^{circa} ~~circa~~ Indpls and southw. to Brown Co. A one-day trip from Indpls. He does not know n. Ind. the dunes or Lower Wabash Bottoms. The plants you cite are by far more critical. An old saying: "We always have the poor with us". This grew out of experience of things to live upon, but the saying can be expanded to cover more

~~Maple on Luzula O.K. Use the same key O.K.~~ Digitized by Hunt Institute for Botanical Documentation

I have made the change on your Luzulas in Gray Herb

I have been feeling gum so went to the doctor. Now have 5 medicines. I seem to have indigestion and intestinal trouble.

Here is my program. Go to North Manchester Thursday P.M. to attend the Ind. Acad. Sci. Home Sat. Then home so far as I know until Dec. 27. So you can find me here any old time you come.

The next thing I tackle is to straighten out the *Steironema lanceolatum* business. By the way, I have about every thing named up and I have a small package for you. I will send it so it can soak in, if you have any kicks let us have em. I still have the *Steironema* and *Rhus* to go over and you can get your share when you come down.

Best wishes, I am sincerely yours,

Chas. C. Deam.

Recd. 1/5

Dear Hermann: Will you please read the Helianthus dope and return at once and oblige. I want to get the Ms. to Harriet. The Eupatorium dope you can delete or take your time to it. I am leaving at noon for North Manchester to attend the Ind. Acad. meet.

I am expecting Kriebel any time now. He is coming pass for me. We got interested in Quercus Shumardii this fall and found it in 50 counties. We are both yet confused on Q. Shumardii var. Schneckii, What is it and how does it differ from the typical form. We plan to meander over and see if we can find any trees enroute. Althought it was down to 19 deg. last night but sun shing fine now.

Well you are assured of 3 days rest from this pest. Wife says fellows like you and several others wish I was dead or the flora done and firtotten

Sincerely yours,

Chas.C.Deam

New books (cont.)

Lavollay, J.

Le magnésium dans les terres arables. Phénomènes d'échanges de bases. Recherches sur le magnésium échangeable. 102 p. 3 pl. Paris, Hermann & cie., 1936. (56.42 L39)

Magnant-Bierce, M.

Recherches sur le bois des gnétacées. 166 p. 6 pl. Paris, Vigot frères, [1937?]. (463.5 M27)
Thèse Fac. Sci. Lyon.

Sanford, S.K.F.

New England herbs, their preparation and use. 55 p. Boston, New England museum of natural history, Mr.1937. (97.21 Sa5)

Vohl, F.

Ueber das verhalten verschiedener pflanzenarten in grünland-saatmischungen. 91 p. illus. Hohenheim, 1935. (60.1 V362)

Inaug.-diss. - Landwirtschaft. Hochschule, Hohenheim.

Ward, F.K.

Plant hunter's paradise. 347 p. London, J. Cape, 1937. (460.12 W21P)

Reprints from publications not yet rec'd or not available.

Camis, A.

Les Bambusoideae de Madagascar. Reprinted from Congr. Soc. Sav. Paris 69., 1935, p.143-146. [1936?] (Pamph.452.35 C)

Salgues, R.

Seconde contribution à la flore microcryptogamique de l'île de Port-Cros. Reprinted from Ann. Soc. Hist. Nat. Toulon 1936? 4 p. (Pamph.462.13 Sa)

Wellensiek, S.

Statistical comparison of the amount of botanical literature of 1934 with 1930. Reprinted from Handel. Nederl.-Ind. Natuurwetensch. Congr. 7., 1935, p.525-526. (Pamph.452.4 W)