Belleville Feb 20th 1876

My Dear Sir.

I have just now completed the examination of your plants. Many of them were very interesting, a few and had not been detected by me on my own trip across the continent.

Many of the carices were altogether too young for certain identification but; the characters of this genus lie chiefly in the perigynia and in more than one half of your specimens they were not developed at all. Your Juncii were in the same condition but their general appearance is more easily tested. The grasses were in a much better state and therefore their identification was much easier.

You will find my notes, in the box, under the species cover of each section.

There are two rushes I cannot make even a guess at. These I would send to Dr. Engelmann of St. Louis, who has written a Monograph of the genus.

The specimen I name "Fimbristylis" is exceedingly interesting to me. This might be sent to some authority on western plants.

You will notice a few notes on some of the grasses; in them I mention that I retain one or two specimens for the purpose of sending them to Hall of Illinois. I will send their names as soon as received.

If you have any other specimens which are difficult or obscure I would do what I could with them. I have a large collection of western species in my possession. As an example of the extent of my herbarium I may say I have 444 species and 128 genera of the Compositae alone and of the other orders in proportion.

(Inside).

If possible I would like specimens of the following X. 10; IIII. 168; IIII. 56; Z. 38. P. 117; IIII. 73. VII. 53; VII. 6.; II. 37.

These are the only species I did not collect myself.

The grass I name Festuca borealis was the one I found to indicate fresh water ponds on the high prairies. Did you find it as a sure indication of fresh water?.

When you receive the box, please write and let me know what you think of my determinations.

Amongst those immature Carices you will doubtless have C. siccata & C. stenophylla and I would advise you to put them in your list as the probabilities are in favor of them being ~~them~~ amongst ~~them~~ those I do little with. Yours truly.

John Macoun.

(1201) 909B/35/166

Names of Mr. Dawson's Plants.

P 42, W. 1000. III 35. P. 111. Z. 48. =
Juncus Balticus, Deth.
I take W. 1000 to be J. Balticus var. montanus, Engl. The others may be the same var. but are too immature.

IIII 160 = Triglochin maritimum, L.

W. 269. = Sparganium eurycarpum, Engl.

VII. 51 = Luzula parviflora var. melanocarpa of Gray's Manual.
Luzula spadicea, Dc.

Belly River Aug. 15. = Juncus siphioides ~~Englm.~~ E. Meyer. var. montanus, Englm. This is the dark brown variety.

W. 61. & X. 56 = Juncus alpinus var. insignis Fries. This is as near as I can come without older specimens

VI. 79. Juncus acuminatus, Michx.

VII. 53. VII. 5 are not known to me. They are near J. siphioides I believe.

No 2

X. 14 = Juncus nodosus, L. ? Rather young.

Cyperaceæ.....

W. 60 = Y. 12 = Eleocharis acicularis, R. Br.

P. 56, P 98. III. 22 = " palustris, R. Br.

W. 187, X. 467 = Scirpus Eriophorum, Michx

2 (3) = Scirpus maritimus, L.

Dr. B. Drader's Road = S. validus, Vahl.

X, 55 = do (Editors

This is the S. lacustris of Gray's former

Carex

Z. 21 Carex supina, ~~Decey~~. Wahl.

II. 38 " scirpoidea, Michx.

X. 67 + X. 39 = C. polytrichoides, Muhl.

Z. 24, Z 20 = C. marcida, Boott.

D. Mont. Low Ground (9. 46)

C. alopecoidea, Tucker.

(Y. 13 = C. stricta, Lam. ?.

P. 28, P 26-27. P. 53 = C. Douglasii, Boott.

I refer these very doubtfully as they are all too young.

III. 36. C. aperta, Boott. (Rather Young)

III. 12. C. longirostris, Don.

P. 52. C. like stricta and aperta. It has two stigmas but it and

the others are too immature for a certain determination.

P. 84. C. lamprinosa, Mich.

W. 131. C. Pseudo-Cyperus, L.

W. 54. C. riparia, Lentis.

X. 41 C. lupulina, Muhl. (Perhaps).

W. 8, + + VII. 12. = C. aurea, Nutt.

VII. ~~53~~ 55. C. atrata, L.

VII. 44 C. rigida, Good.

IIII. 162 C. festiva, Dewey.

II. 29 = C. marcida ? too young.

I. 15 = C. Douglasii, Hook.

3. 31 or 311 = C. rosea, Schk. Have your other specimens bracts at the base of the spikes?!

Z. VII. 77. Like C. rigida, too young.

X. 27, (P. 18) C. stramenina,

P. 86 + P. 88 apparently young forms of the same species.

P. 20 + the left hand specimen of P 30 are apparently young forms of C. Douglasii or a closely allied species.

P. 30 Probably C. marcida.

Grasses.

V. 11. Beckmannia eruciformis, Hat.
III. 84 Spartina gracilis, Roth.
X. 3 " cynosuroides, Willd.
(9 26) " do
X. 4, & 2 Stipa spartea, Trin.
Cr. B. & IIII. 139 Stipa viridula, Trin.
VII. 89. Phleum alpinum, L.
X. 10 Alopecurus alpinus, Smith.
(9. 19) Andropogon furcatus, Muhl.
W. 167 do do
(9. 25) do do
Louis Trin " scoparius, Mich.
IIII. 142. Ericoma cuspidata, Nutt.
IIII 33 Koeleria cristata, Pers.
P. 246 do do Tuft of leaves are not of this species.
IIII. 144 Bouteloua oligostachya, Torr.
(9. 17) do do
W. 0. Agrostis scabra, Willd.
V. (3) Correct
P. 21 Hierochloa borealis, Roem, & Schultes.
Z. 30. do do
I. 25 do do

K (4). Hordeum jubatum, L.
4. 8 do do
(P. 16.) do do
~~3. 14 Avena striata, Michx.~~
IIII. 168. Lepturus paniculatus, Nutt.
W. 165 Danthonia spicata, Beauv.
IIII 56 Poa cœsia, Smith var. stricta
3. 2. do do
W. 57. Poa cœsia, Smith. or closely related
P. 13 Poa pratensis, L.
3 17. & 3. 40 Poa — ? Related to flexuosa
IIII. 156. Catabrosa aquatica, Beauv.
P. 217-18-19 Glyceria nervata, Trin. ?
X. 13 Seems to be the same species.
(P 27) 3 Festuca ovina, L.
3. 27 Phalaris arundinacea, L.
W. 55 do do
VII. 73. Poa alpina, L.
3. 39 Panicum pauciflorum, Ell.
R. 8. Elymus Virginicus, L. Although the spike is not included in the sheaths.
W. 45. " Canadensis, L var. glaucifolius,
(P. 20) " Canadensis, L.
(P. 21) " do.

X. 24 Avena strigosa, Muehr.
W 283 Bromus ciliatus, L.
V. 95 do do
W 141 do do Smooth form
IIII. 73 Triticum strigosum, Steud.
(Dr. B. " do
W. 56. " repens, L. A variety
W. 186. Festuca borealis? Mert. (Vide. Hooker)
IIII. 159. V. 4. I will get named by Hall
Z. 40 & Z. 17 are the same I keep one and send it to Hall.
VII. 75. & VII. 101. are alike I keep one and send it to Hall.
Z. 14 Looks like a Danthonia. I have sent a scrap to Hall.
Z. 4 Looks like a Festuca.

Macoun

List of plants

92.

Feb. 20. 75.

P. 19, & P 29 Look like young fern of C. Marcida.

III. 11 C. Richardsonii, R. Brown.

3. 22. & III. 13 = C. ampulacea or utriculata

I have doubtfully referred these specimens to that species but I am uncertain as they (with many other of your specimens) are too young for certain determination.

II. 37 Fimbristylis ——? I think it cannot be F. spadicea nor F. thermalis

Please send it to Gray.