

none of them.

My address will be as
above for two weeks nearly,
and then at Charles City again.

Yours Respectfully
J. C. Arthur

To Geo. E. Davenport,
Medford, Mass.

H

Ames, Iowa.

Nov. 10th 1882

Dear Sir:-

The Rhagopterus came last
night and I sent it on today.
I also enclose specimens of
Camptosorus which I take to
be a marked variety if not
a good species. I sent the
same to Professor Eaton who
did not return an opinion,
however. I propose to publish
a description of it in my
next "Contributions to the Flora
of Iowa" which is about ready
for the printer, and would
feel greatly indebted to you for
an expression of your views as
to the best way of designating.

it—whether it would be best to call it a species, variety or only a well marked form.

It differs from C. rhizophyllum by having a rounded central bundle in the stipe not accompanied by a thread of sclerenchyma, by the thinner and narrower fronds, simpler venation, acute base without a vestige of auricles proper, (the slightly ~~bac~~^{lateral} ~~tate~~^{expansions} just above the base, I do ^{not} regard as at all auricular in this nature as shown by the venation), and by the more marked dimorphism of the fronds.

It differs from C. Sibiricus on the other hand by the longer stipes of the sterile fronds compared with the fertile ones, the brown bases of the stipes, the firmer texture of the blade, the abruptly narrowed

base, and the greatest breadth of the fertile frond being near the base instead of considerably above it.

The dimorphism, texture, venation, and size of the fronds, and the structure of the bundle of the stipe show this to be intermediate in character between the two species named.

It has only been found in one locality, on a limestone bluff, with C. rhizophyllum growing luxuriously a few rods away.

If you can give me an early opinion of this matter I shall feel greatly obliged.

I do not care for any plants in exchange for those sent, but would be pleased to receive any of your writings you choose to send me at any time, for at present I have



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