

Urbana, Illinois

April 11, 1913

Professor A. L. Andrews
Department of Modern Languages
Cornell University
Ithaca, New York

My dear Professor Andrews:

Knowing of your extensive work in mosses, particularly in the Sphagnaceae, I take the liberty of writing you to ask you to give me advice and assistance in completing my plans for three years' work in Ellesmere and Crocker Lands and Grant Land with the Crocker Land Polar expedition which sails from New York in July for scientific exploration and research in the Far North.

As geologist and botanist to the expedition I am eager to accomplish all that I can which will prove of value and add to the scientific knowledge of the North. I wish you would advise me as to what books on mosses will be most valuable to me for study and reference, what problems I may most expect to confront me, and what equipment I shall need for study, collection, and preservation of specimens.

I assure you that I shall appreciate any help you can give me. If you have any available I should like copies of the various articles you have published.

Thanking you in anticipation of your kind attention to my inquiries and requests, I am

Sincerely yours

1103 West Springfield Avenue
Urbana, Illinois





324 College Ave.

Ithaca, N. Y.

Apr. 20, 1913.

Mr. W. Elmer Ekblaw
Urbana, Ill.

Dear Sir:

You are very much to be envied
for your opportunity of research in the
far north. I trust you will pardon
me, if in answering your questions I
tell you a great deal that is already
well known to you. To one unfamiliar
with the Bryophytes the best means of
general orientation is furnished by the

Books of Grouse: "Mosses with a Hand-Lens" (\$1.75) and "Mosses with Hand-Lens and Microscope" (cloth \$7.00; half-leather \$7.50), obtainable from the author, Dr. A. J. Grouse, New Dorp, Richmond Borough, New York City. These give a good idea of the genera and some of the most representative species, the first including some Lepatoloma. For an illustrated manual of the species of mosses Dixon and Jamieson, The Student's Handbook of British Mosses, 2nd ed. publ. by W. P. Simpfield, Eastbourne, England at price of 18 shillings 6 pence is the best thing I know of. Of course there is no one work that will cover all the species you will find in arctic lands. A companion volume on the British Lepatoloma

recently gotten out by Macosson is even better than the one on mosses. Of course for detailed study an extensive literature will have to be consulted. I don't think you are further titles, if you wish. You are probably familiar with the publications of the second French expedition under Godard. They were published by the Commissaire "Nidus" "Sittak" in separate papers which, as we have them in Library, are in two volumes from 1904 to 1907. There may have been one published later that we have not received. As the first of these two volumes is a paper by Guimaraes, N. A. West's "The vegetation, and with the flowering plants and



forms, in the second there is a short
paper on the Funghi and an important
one on the Mosses and Hepaticae by Bryghen,
this last in Norwegian Language.

They collected mosses principally in
Ellen in Laid and found a remarkable
wealth of them, bringing back over 4000
numbers, often in quantity for distribution
to various persons. Whatever you find
is sure to be of the greatest interest.

Mosses up there are stunted in growth and
different sorts tend to resemble each other
more than is the case in our latitude,
They are also much intermingled with each
other particularly the Hepaticae so that
in a single number up to 20-30 different

things were sometimes found. They do not fruit to a great extent and an arctic bird seems to be found of the sporocarpia when they do, so it is best to collect pretty extensively everything that looks at all promising. With respect to fruiting the most noteworthy exception is the genus *Bryum*, which reaches its most remarkable development in arctic regions. Bryum described a great number of new species from up there. I am expecting to revise this genus for "North American Flora" and shall be much interested in your results in the genus. Of *Phlegmum* they collected only *S. Biggsmoosium* but in

well developed specimens and I should be surprised if you didn't find a few more species. A considerable number occurs in Greenland. Lists of mosses from Greenland are found especially in "Middelalder og Grønland", various volumes.

So far as equipment is concerned, that has to be determined by so many considerations that it is not easy to give definite suggestions. Norwegian moss-collector like to carry a large botany-can with smaller compartment in one end for minute and frail things. Each collection is wrapped separately in paper & put in small paper bag, which is marked at least with number and set by made in note-book as to locality, etc.

It is well to note what kinds of moss occur in the mountains. The manner of kind gardens, specimens are before out, several of the best and rubbers and put between sheets of cheap brown paper (Newspaper is all right). In the case of thick tufts they are broken into narrow pieces as far as possible, in such way that the ~~specimens~~ ^{specimens} ^(only 1/2 inch thick) ^{specimens} be flat upon the paper. Of course, abundant specimens are put in at intervals and changed every day as for other plants. Pressure is applied with a stamp and should be made less for mosses than for flowering plants.

They should not be crushed, but may be put into good shape and dried there. Dries must not be changed or shaken for flowering plants. You cannot take too much paper along. Specimens must, you know, you will probably visit it.



were more before you are ready to return.

I will send you in a day or two copies
of such of my publications as are available.

The others are of no consequence anyway.

My description of all the North American
species of *Sphagnum* for "North American
Flora" is now in press and may perhaps
be out before you leave.

Please let me know if there is any other
information I can furnish you. Everything
you can find will be of the greatest interest.

I suppose the Stephenson expedition will
work farther to the westward
with best wishes

Very sincerely yours,

A. L. H. Andrews

Urbana, Illinois

April 29, 1913

Professor A. LeRoy Andrews
324 College Avenue
Ithaca, New York

My dear Professor Andrews:

I wish to thank you for your very kind and helpful letter of the 20th of this month, and for the papers you sent me in a separate enclosure. Not only will these be of great aid to me, but the inspiration of your letter will do me much good for a long time.

I hope that upon my return from the North I shall have the pleasure of meeting you, if not before I leave.

With sincerest regards, I remain

Yours sincerely

1103 West Springfield Avenue
Urbana, Illinois



BRILEE



New York, 23 June, 1913.

My dear Dr. Harris:

As geologist to the Crocker Land Expedition, which sails from New York July 2nd for a three years' stay in the Arctic, I am desirous of having a copy of your "Notes on Elementary Geologic Mensuration," which I feel will be invaluable to me in the field. I wish that you would autograph the copy upon sending it, if you feel that you would care to do so.

Will you please send the bill at the same time that you send the book, and oblige

Yours sincerely,

Am. Mus. Nat. Hist.,

New York City.

Mr. G. D. Harris,
Cornell University,
ITHACA,
N. Y.

W.E.E./B.P.



W.S. & B. REGENT LINEN

MADE IN U.S.A.

