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Additional Notes on Iowa Mosses – 1929-1930

Betty Blagg
Grinnell College

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In preparing this paper, I am greatly indebted to Professor Guy West Wilson, under whom I am studying, for his valuable suggestions and help, and to the Botanical Departments of the University of Iowa and Grinnell College for the use of their *Cladonia* collections.

PENN COLLEGE,
OSKALOOSA, IOWA.

ADDITIONAL NOTES ON IOWA MOSSES — 1929-1930

BETTY BLAGG

Since the meeting of the Iowa Academy of Science in May, 1929, several additions have been made to the collections of H. S. Conard, B. O. Wolden, and Betty Blagg. In order to prevent an inconveniently large number of moss lists, the additions of all three collectors have been combined into one list. Only those new to the state are included although a number of species have been added to all three collections which have been reported for Iowa only once.

One new family not before reported for Iowa is represented by *Encalypta streptocarpa* found in the Backbone State Park near Strawberry Point. Mr. Wolden reports a *Grimmia* which George Neville Jones identifies as *G. glauca* and says that this is the third time this species has been collected in the United States.

Physcomitrium immersum of the 1928 list proves to be *Aphanorregma serratum* (Hook & Wils.) Sull.

Grateful acknowledgment is due H. S. Conard and B. O. Wolden for their interest and cooperation in combining the lists. The writer is also indebted to A. J. Grout, E. B. Bartram, George B. Kaiser, and George Neville Jones for determinations and verifications of doubtful species.

The list of mosses hitherto unreported for Iowa follows with initials indicating the collectors:

POLYTRICHACEAE

Polytrichum Ohioense R. & C.-----C.
Moore, Poweshiek co.; May 25, 1929; on ground.

FISSIDENTACEAE

Fissidens bryoides (L.) Hedw.-----W.
Estherville; Mar. 29, 1928; on ground.

DICRANACEAE

Dicranum montanum Hedw.-----C.
Eldora, Hardin co.; May 17, 1929; base of tree.

GRIMMIACEAE

- Grimmia glauca* Cardot..... W.
Lyon co.; June 9, 1928; on Sioux quartzite.

TORTULACEAE

- Phascum cuspidatum piliferum* (Schreb.) Hook & Taylor..... C.
Redrock, Marion co.; Apr. 2, 1930; on ground.
Astomum Sullivantii Schimp..... W.
Prairie hillside near Estherville; Dec. 26, 1928; on ground.
Astomum crispum (Hedw.) Hampe..... C.
Redrock, Marion co.; Apr. 2, 1930; on ground.
Tortella fragilis (Drumm.) Limpr..... B.
Backbone State Park, Strawberry Point; June 15, 1929; on limestone.

ENCALYPTACEAE

- Encalypta streptocarpa* (Hedw.)..... B.
Backbone State Park, Strawberry Point; June 15, 1929; on limestone.

ORTHOTRICHACEAE

- Ulotia Americana* (Beauv.) Lindb..... B.
Near Albany spring, Fayette co.; June 14, 1929; on dry rock.

BRYACEAE

- Bryum bimum* Schreb..... W.
Prairie near Estherville; May 25, 1929; on springy ground.

LESKEACEAE

- Leskea Austini* Sulliv..... W.
Mud Lake, Emmet co.; Sept. 10, 1928; on bark.

HYPNACEAE

- Bryhnia graminicolor* (Brid.) Grout..... C.
Hardin co.; May 18, 1929; on stones.
Calliergon cuspidatum (L.) Kindb..... W.
Bog north of Estherville; Sept. 10, 1928.
Amblystegium noterophyllum (Sulliv.) Warnst..... C.
Clayton co. Sept. 12, 1929; in rapid water at mouth of cave at Beulah
Fall.
Hypnum reptile Mx..... W.
Estherville; Dec. 15, 1928; base of stump.
Plagiothecium geophilum Aust..... C.
Redrock, Marion co.; Apr. 2, 1930; on earth.
Plagiothecium denticulatum (L.) B. & S..... C. W. B.
Marion co. Apr. 2, 1930.
Estherville, Aug. 8, 1928; on elm.
North woods, Ames, July 31, 1928; on bark.
Plagiothecium Roseanum (Hampe) B. & S..... C.
Marion co. Apr. 2, 1930; on ground.

In addition to the mosses, Dr. Conard reports nine hepatics not formerly found in Iowa.

MARCHANTIAACEAE

- Preissia quadrata* (Scop.) Nees.
Moist, shaded, rocky bank, Clayton co.; Sept. 12, 1929; ster.

JUNGERMANIACEAE

- Calyptogeia trichomanis* (L.) Corda.
Moist sandstone cliff, Marion co.; Apr. 2, 1930; ster.

- Cephaloziella divaricata (Sm.) Schiffn.
Sandstone ledge, Jasper co.; Apr. 5, 1929; fr.
- Jamesoniella autumnalis (DC.) Steph.
Rocky hillside, Marion co.; Apr. 2, 1930; fr.
- Lepidozia reptans (L.) Dum.
Cool, shaded, rocky bank, Hardin co. ster.
- Lophocolea minor Nees.
Moist, shady bank, Hardin, Jasper, Marion; ster.
- Plagiochila asplenoides (L.) Dum.
Shady banks, Hardin, Marion, Jasper; ster.
- Porella platyphylloides (Schwein.) Lindb.
Delaware co. Sept. 11, 1929; ster.
- Scapania nemorosa (L.) Dum.
Marion co. Apr. 2, 1930; ster.
Moist sandstone.

GRINNELL COLLEGE,
GRINNELL, IOWA.

NOTES ON IOWA MOSSES. — II

LUCY M. CAVANAGH

The object of this paper is to note, with comments and corrections, certain published lists of Iowa mosses.

A short paper by the late Dr. Charles E. Bessey¹ is, so far as the writer is able to find, the first published list of Iowa mosses.

In order to put this list into a more usable form it is here rearranged according to the classification and nomenclature of the Grout key.² Where the names used by Grout differ from those in the Bessey list, the latter appear in parenthesis.

DR. BESSEY'S LIST

- Catharinea angustata Brid. (*Atrichum angustatum* B. & S.)
Polytrichum commune L.
Polytrichum juniperinum Willd.
Fissidens bryoides (L.) Hedw.
Ceratodon purpureus (L.) Brid.
Dicranella varia, (Hedw.) Schimp.
Leucobryum glaucum (L.) Schimp. (*L. vulgare* Hampe)
Astomum nitidulum Schimp.
Barbula sp.
Weisia viridula (L.) Hedw.
Orthotrichum strangulatum Sulliv.
Physcomitrium turbinatum (Mx.) Brid. (*P. pyriforme* Brid.)
Physcomitrium Hookeri Hampe.
Funaria hygrometrica var. *clavescens* B. & S.

¹ Bessey, Dr. C. E. *Preliminary List of Bryophytes of the Ames Flora*. Bull. Dept. of Bot., I. A. C. Nov., 1884.

² Grout, A. J. *Mosses with Hand-lens and Microscope*, 1903.