Thirty-Five Iowa Mosses

Henry S. Conard
Grinnell College

Recommended Citation
Available at: https://scholarworks.uni.edu/pias/vol50/iss1/11

This Research is brought to you for free and open access by the Iowa Academy of Science at UNI ScholarWorks. It has been accepted for inclusion in Proceedings of the Iowa Academy of Science by an authorized editor of UNI ScholarWorks. For more information, please contact scholarworks@uni.edu.
In 1938 "One Hundred Iowa Mosses" (1) were distributed to ten herbaria. In that distribution Number 4, "Anomodon viticulosus" was wrongly identified. The plant is Anomodon minor (Beauv.) Lindb., like the figure in Sullivant's Icones, pl. 74. Much more common in Iowa is a smaller form, everywhere on trees, distributed as No. 2. To avoid such confusion as I fell into, this form should probably be named and entered in the manuals. Number 44 "Fissidens viridulus" had better be referred to F. minutulus Sull., according to the Moss Flora of North America (3). Number 62 "Leptodictyum riparium longifolium" should be called forma flaccidum (L. & J.), rather than longifolium, according to advice from Dr. A. J. Grout, a correction for which I am grateful.

In 1940 "Thirty Iowa Liverworts" (2) were distributed to ten herbaria. I am now distributing ten sets of "Thirty Five Iowa Mosses." For one species, Amblystegium variium, I am indebted to Professors Wylie, Loehwing and Anderson of the State University of Iowa. They have kindly allowed me to use material collected by the late Professor B. Shimek. Representative material of each species will be retained in the herbarium of Grinnell College. The ten sets will be sent to:

3. Missouri Botanical Garden, St. Louis, Missouri.
5. Sullivant Moss Society, Duke University, Durham, N. C.
8. University of Tennessee, Knoxville, Tennessee.
9. University of Utah, Salt Lake City, Utah.

In the following list of mosses the names are used as in the List of Mosses of North America North of Mexico by A. J. Grout (4), official list of the Sullivant Moss Society. For this reason citation of authorities is omitted, except for forms or varieties not on the List. For each species a note on habitat is added, and in many cases counties are listed to indicate the known distribution, or limits of range.

**LIST OF MOSES IN THE DISTRIBUTION**

1. **Amblystegium varium.** Common, on rocks and bases of trees.
2. **Atrichum crispum.** Among tussocks of acid bog, Linn Co.
4. **Barbula fallax.** Common in eastern counties; frequent elsewhere.

5. **Brachythecium campestre.** On a north-facing roadside bank in Poweshiek Co.; Muscatine Co.; Emmet Co.


7. **Brachythecium flexicaule.** Abundant in a "hanging bog" in Dickinson Co.; Emmet, Allamakee, Muscatine.

8. **Bryum bimum.** Dickinson, Winneshiek, Johnson.

9. **Calliergonella cuspidata.** Dickinson, Linn.

10. **Campylium chrysophyllum.** Common in woods.

11. **Campylium stellatum.** In calcareous "hanging" bogs, Dickinson and Emmet.

12. **Desmatodon plinthobius.** On rock faces. Delaware, Poweshiek, Marion.

13. **Desmatodon porteri.** Allamakee, Jones, Mahaska.

14. **Ditrichum pusillum.** Frequent on freshly exposed subsoil, especially in eastern half of the state.

15. **Drepanoclados aduncus var. polycarpus f. uncus Grout.** Dickinson Co., around chalybeate spring in calcareous "hanging" bog.

16. **Ephemera spinulosa.** Gardens and river banks; rarely seen, probably common.

17. **Fontinalis duriae.** Emmet only, in a swift brook.

18. **Grimmia laevigata.** Lyon; on exposed Sioux quartzite, abundant.

19. **Helodium blandowii.** Linn only, in a hillside bog.

20. **Leptodictyum trichopodium.** Common.

21. **Mniium affine.** Common.

22. **Orthotrichum anomalum.** Dickinson, Allamakee, Delaware, on boulders.

23. **Orthotrichum pumilum.** Common, on various trees.

24. **Physcomitrium kellermani.** Hardin, Henry.


27. **Polystichum ohioense.** Eastern half of State to Boone and Lucas, in woods.

28. **Sematophyllum carolinianum.** On shaded rocks; Webster, Mahaska, Muscatine, Madison, Wapello.

29. **Sphagnum capillaceum.** Muscatine Co.

30. **Sphagnum palustre.** Linn Co.

31. **Tetraphis pellucida.** Hardin, Wapello, and eastern tier of counties, mostly on north-facing blocks of sandstone.

32. **Thuidium minutulum.** Winneshiek, Dubuque, Iowa, Johnson, Muscatine.

34. *TORTULA RURALIS*. Lyon, Winneshiek, Allamakee; on exposed rocks, both dolomite and quartzite.


**LITERATURE CITED**


**GRINNELL COLLEGE**

**GRINNELL, IOWA.**