

A PRELIMINARY ANNOTATED CHECKLIST OF THE
MOSS FLORA OF CARROLL COUNTY, ILLINOIS

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ABSTRACT.—Forty-nine species of mosses are reported as occurring in Carroll County, Illinois, of which seven are previously unreported as occurring in the county.

This paper is intended to be a checklist of the moss species known to occur in Carroll County, Illinois, and to serve as a basis for a more complete survey of the moss flora of this region. This list was compiled from the literature and from some field work by the author in the area.

Forty-nine species are reported as occurring in Carroll County of which seven are new to the county.

Species previously reported are followed by a literature citation(s). In some areas synonymous names are given if the nomenclature used differed from that of Crum, Steere, and Anderson (1965). Species new to the county are followed by a specimen citation(s).

The arrangement of the families follows that of Brotherus (1924, 1925) and the nomenclature follows that of Crum, Steere, and Anderson (1965).

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FISSIDENTACEAE

Fissidens bryoides Hedw. var. *incurvus* (Starke ex Web. & Mohr) Roehl (Hague, 1929) reported as *Fissidens incurvus*.

Fissidens cristatus Wils. ex Mitt. (Hague 1929; Boewe, Barrick, & Hague, 1935).

Fissidens minutulus Sull. (Hague, 1929; Boewe, Barrick, & Hague, 1935) re-

ported as *Fissidens incurvus* var. *minutulus*.

DITRICHACEAE

Ceratodon purpureus (Hedw.) Brid. (Boewe, Barrick, & Hague, 1935).

DICRANACEAE

Dicranella rufescens (With.) Schimp. (Boewe, Barrick, & Hague, 1935).

Dicranella varia (Hedw.) Schimp. (Boewe, Barrick, & Hague, 1935).

POTTIACEAE

Barbula fallax Hedw. (Boewe, Barrick, & Hague, 1935).

Barbula unguiculata Hedw. (Boewe, Barrick, & Hague, 1935).

Tortella humilis (Hedw.) Jenn. (Boewe, Barrick, & Hague, 1935) reported as *Tortella caespitosa*.

GRIMMIACEAE

Grimmia apocarpa Hedw. (Hague, 1929; Boewe, Barrick, & Hague, 1935).

FUNARIACEAE

Funaria hygometrica Hedw. (Boewe, Barrick, & Hague, 1935).

Physcomitrium pyriforme (Hedw.) De Not (Boewe, Barrick, & Hague, 1935) reported as *Physcomitrium turbinatum*.

BRYACEAE

Bryum argenteum Hedw. (Hague, 1929).

MNIACEAE

Mnium cuspidatum Hedw. (Boewe, Barrick, & Hague, 1935).

Mnium drummondii Burch. & Schimp. (Boewe, Barrick, & Hague, 1935).

Mnium punctatum Hedw. (Boewe, Barrick, & Hague, 1935).

Mnium stellare Hedw. (Boewe, Barrick, & Hague, 1935).

ORTHOTRICHACEAE

Orthotrichum strangulatum P. Beauv. Sterling-Rock Falls YMCA Camp, Wunderlin C-11 (SIU).

FONTINALACEAE

Fontinalis dalecarlica Schimp. ex B. S. G. (Hague, 1929).

CLIMACIACEAE

Climacium americanum Bird. (Hague, 1929).

THELIACEAE

Thelia hirtella (Hedw.) Sull. (Boewe, Barrick, & Hague, 1935).

FABRONIACEAE

Schwetschkeopsis denticulata (Sull.) Broth. (Boewe, Barrick, & Hague, 1935) reported as *Leskea denticulata*.

LESKEACEAE

Leskea polycarpa Hedw. (Boewe, Barrick, & Hague, 1935).

Leskea vitriculosa (L.) H. & T. (Boewe, Barrick, & Hague, 1935) the author was unable to locate this species in any taxonomic treatment and it is suspected of being an unlisted synonym.

Lindbergia brachyptera (Mitt.) Kindb. (Boewe, Barrick, & Hague, 1935) reported as *Leskea austini*.

Anomodon attenuatus (Hedw.) Hub. (Boewe, Barrick, & Hague, 1935).

Anomodon minor (Hedw.) Furnr. (Boewe, Barrick, & Hague, 1935).

Anomodon rostratus (Hedw.) Schimp. (Boewe, Barrick, & Hague, 1935).

Thuidium delicatulum (Hedw.) B. S. G. (Boewe, Barrick, & Hague, 1935).

Thuidium pygmaeum B. S. G. (Boewe, Barrick, & Hague, 1935).

AMBLYSTEGIACEAE

Amblystegium serpens (Hedw.) B. S. G. (Boewe, Barrick, & Hague, 1935).

Amblystegium varium (Hedw.) Lind. (Boewe, Barrick, & Hague, 1935).

Campyllum hispidulum (Brid.) Mitt. (Boewe, Barrick, & Hague, 1935).

Hygroamblystegium fluviatile (Hedw.) Loeske var. *orthocladum* (P. Beauv.) Crum, Steere, & Anderson (Hague, 1929) reported as *Amblystegium orthocladum*.

Leptodictyum riparium (Hedw.) Warnst. Sterling-Rock Falls YMCA Camp, Wunderlin C-5 (SIU).

Leptodictyum trichopodium (Schultz) Warnst. Sterling-Rock Falls YMCA Camp, Wunderlin C-27 (SIU).

Platydictya subtilis (Hedw.) Crum (Boewe, Barrick, & Hague, 1935) reported as *Amblystegium subtilis*.

BRACHYTHECIACEAE

Brachythecium oxycladon (Brid.) Jaeg. (Boewe, Barrick, & Hague, 1935).

Brachythecium salebrosum (Web. & Mohr) B. S. G. (Boewe, Barrick, & Hague, 1935) also reported as *Brachythecium acutum*.

Eurhynchium pulchellum (Hedw.) Jenn. (Boewe, Barrick, & Hague, 1935) reported as *Eurhynchium strigosum*.

Rhynchostegium serrulatum (Hedw.) Jaeg. & Sauerb. (Boewe, Barrick, & Hague, 1935) reported as *Eurhynchium serrulatum*.

ENTODONTACEAE

Entodon cladorrhizans (Hedw.) C. Mull. (Boewe, Barrick, & Hague, 1935).

PLAGIOTHECIACEAE

Plagiothecium denticulatum (Hedw.) B. S. G. (Boewe, Barrick, & Hague, 1935).

HYPNACEAE

Platygyrium repens (Brid.) B. S. G. (Boewe, Barrick, & Hague, 1935).

RHYTIDIACEAE

Rhytidium rugosum (Hedw.) Kindb. Sterling-Rock Falls YMCA Camp, Wunderlin C-22 (SIU).

POLYTRICHACEAE

Atrichum angustatum (Brid.) B. S. G. Sterling-Rock Falls YMCA Camp, Wunderlin C-13, C-15 (SIU).

Atrichum undulatum (Hedw.) P. Beauv. (Boewe, Barrick, & Hague, 1935) reported as *Catharina undulata*.

Polytrichum commune Hedw. Sterling-Rock Falls YMCA Camp, Wunderlin C-6 (SIU).

Polytrichum juniperinum Hedw. Sterling-Rock Falls YMCA Camp, Wunderlin C-17 (SIU).

LITERATURE CITED

- BOEWE, G. H., S. H. BARRICK, and S. M. HAGUE, 1935. Mosses from Apple River Canyon, Mississippi Palisades and White Pines Forest State Parks. Trans. Ill. St. Acad. Sci. 28:83-84.
- BROTTERUS, V. F. 1924. Musci (Laub-

moose). In A. Engler & K. Prantl, Die natürlichen pflanzenfamilien. 2nd ed. 10:143-448.

_____. 1925. Musci (Laubmoose). In A. Engler & K. Prantl, Die natürlichen pflanzenfamilien. 2nd ed. 11:1-542.

CROM, H., W. C. STEIER, and L. E. ANDERSON. 1965. A list of the mosses of North America. The Bryologist 68:377-432.

HAGUE, S. M. 1929. Illinois Mosses. Trans. Ill. St. Acad. Sci. 22:220-249.

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