

Hepatics Collected at the Eighth Midwest Bryological & Lichenological Foray

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Twenty-five taxa of hepatics were collected at the Eighth Midwest Bryological & Lichenological Foray held at Big Spring National Park, a part of the Ozark Scenic National Riverways in Carter County, Missouri. Twelve of the twenty-five taxa are reported as new county records for Missouri. Collections were made along the river and bluffs at Big Springs in Carter County and along the falls, bluffs, and upper slopes of Rocky Creek Falls in Shannon County. Specimens are deposited in KSP and duplicates have been sent to MO. An asterisk preceding a county name (in parentheses) indicates a first report for the county. All collection numbers are mine.

Aneura pinguis (L.) Dum. - on moist decorticated log and moist soil over dolomite.

9888 (*Carter); 9898 (Shannon). This species was first reported from Grasshopper Hollow Fen in Reynolds County and Blair Creek Raised Fen in Shannon County (Vitt & Horton 1990), but a specimen collected by Redfearn (18381) from Jefferson County was in the SMSU herbarium in 1983 under the synonym *Riccardia pinguis* (L.) S. Gray.

Calypogeia fissa (L.) Raddi; on shaded soil at base of *Osmunda regalis* var. *spectabilis* (Willd.) A. Gray. 9899 (*Shannon).

Cephaloziella rubella (Nees) Warnst.; on moist soil over rock of west slope. 9896 (Shannon).

Cololejeunea biddlecomiae (Aust.) Evans; in rock crevice on east side of slope. 9891 (Shannon).

Conocephalum conicum (L.) Lindb.; on dolomite and chert boulders, vertical rock, and soil along stream. 9873 (Carter); 9902 (*Shannon).

Frullania eboracensis Gott.; on log. 9892 (Carter).

Frullania inflata Gott. on base of *Carpinus caroliniana* Walt., *Platanus occidentalis* L., *Juniperus virginiana* L., and on rocks. 9870, 9889 (Carter); 9901, 9907 (Shannon).

Frullania riparia Hampe ex Lehm.; on bark. 9881 (Carter).

Frullania squarrosa (Reinw. et al.) Dum.; on moist rocks at edge of spring, on bark at base of *Asimina triloba* (L.) Dunal, and shaded rocks. 9862, 9865, 9868, 9875 (Carter); 9892 (Shannon).

Jubula pennsylvanica (Steph.) Evans; on wet rock near spring. 9885 (*Carter).

Leucolejeunea clypeata (Schwein.) Evans; on thin soil over rock below overhang. 9905 (Shannon).

Lophocolea bidentata (L.) Dum.; on rocks at edge of spring. 9877, 9880, 9887 (*Carter).

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- Lophocolea cuspidata* (Nees) Limpr.; on moist shaded rock at edge of stream. 9874 (*Carter).
- Lophocolea heterophylla* (Schrad.) Dum.; on soil over roots just above water line of stream above falls. 9904 (*Shannon).
- Mannia triandra* (Scop.) Grolle; on exposed soil of upper slope. 9894 (*Shannon).
- Metzgeria furcata* (L.) Dum.; attached to wet rock near spring. 9886 (*Carter).
- Nowellia curvifolia* (Dicks.) Mitt.; on wet decorticated log in woods north of path leading to spring. 9884 (*Carter). This species has been reported only from one other county (Dallas).
- Plagiochila asplenioides* subsp. *porelloides* (Torrey ex Nees) Schust.; on boulders near spring mouth. 9871 (Carter)
- Porella pinnata* L.; on rocks and roots at edge of stream, submerged. 9860, 9867 (Carter); 9903, 9910 (Shannon).
- Porella platyphylloidea* (Schwein.) Lindb.; on bark at the base of *Asimina triloba* (L.) Dunal. 9864 (Carter).
- Porella platyphylla* (L.) Pfeiff.; on moist shaded rock on east side of upper slopes. 9893 (Shannon).
- Radula obconica* Sull.; on shaded boulders near spring. 9878 (Carter).
- Reboulia hemisphaerica* (L.) Raddi; on boulders near edge of stream. 9874 (Carter).
- Riccardia multifida* (L.) S. Gray; attached to boulders, submerged. 9869 (*Carter).
This specimen was collected by Bruce Allen and given to the author for identification.
- Trichocolea tomentella* (Ehrh.) Dum.; on boulders near spring mouth. 9872 (*Carter).

The new county records mentioned above indicates that the hepatic flora of Missouri is not well documented. Most of what is known can be attributed to the bryophyte studies of Redfearn (1960, 1961, 1962, 1963, 1964, 1970, 1976, 1981). A thesis by Thomas (1974) provides a good review of the hepatics of the Interior Highlands, but did not provide county distributions. Further and more detailed studies of the hepatic flora of Missouri is needed to provide a better understanding of the taxa present and their distribution.

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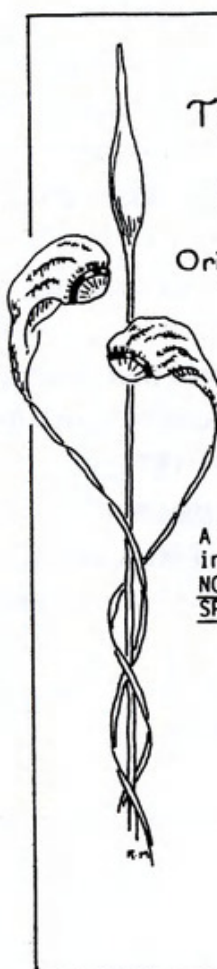
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