

ADDITIONS TO THE FLORA OF MCDONOUGH COUNTY, ILLINOIS

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ABSTRACT - New collection records for McDonough County, Illinois (west-central) include 15 species of vascular plants not previously recorded for the county. Two represent northern extensions in their Illinois distribution, two may be railroad migrants, and one is an escaped ornamental.

The following are records for the known flora of McDonough County, Illinois not included by Myers (1972). All specimens cited are in the Western Illinois University Herbarium (MWI). The nomenclature follows that of Jones (1963).

Callitriche heterophylla Pursh. Submerged in pond by Sugar Creek, northeast of Vermont in Eldorado Township. Henry 3392, June 1, 1969.

Atriplex patula L. Disturbed ground near sand pit, Pleasant Valley, Colchester Township. Myers 4879. September 15, 1972.

Ambrosia bidentata Michx. Grassy opening in woods at Argyle State Park, Colchester Township. Myers 4894, September 17, 1974. This extends the northern range for this taxa in Illinois according to the distribution map in Winterringer and Evers (1960).

Bidens discoidea (T. & G.) Britt. In swamp 5 miles west of Macomb, Colchester Township. Myers 5007, September 29, 1974.

Helianthus rigidus (Cass.) Desf. Relict prairie along railroad 2 miles west of Macomb, Chalmers Township. Myers 4818, August 30, 1974.

Liquidambar styraciflua L. A bushy tree about 15 feet tall in swampy cut-over woods 5 miles west of Macomb, Colchester Township. Myers 5003, September 29, 1974. This could be an escape, but there are no dwellings within a mile and the habitat is typical for this species. This is a northward range extension of over 100 miles according to the distribution map in Winterringer and Evers (1960). Identification confirmed by Dr. R. D. Henry.

Scutellaria ovata Hill. Open woods at Pleasant Valley, Colchester Township. Myers 4527, July 1, 1974.

Polygonum erectum L. Disturbed ground in pasture 4 miles west of Macomb, Emmett Township. Myers 4794, September 3, 1974.

Polygonum ramosissimum Michx. Relict prairie along railroad 2 miles west of Macomb, Chalmers Township. Myers 4870, September 15, 1974.

Ligustrum vulgare L. A single specimen about 15 feet tall in open woods 4 miles west of Macomb, Emmett Township. Myers 4509, May 28, 1974. This alien ornamental from Europe is probably a casual escape from cultivation and not established as a part of the county flora.

Galium boreale L. Forming a mat about 20 feet long near a railroad 2 miles west of Macomb, Chalmers Township. Myers 4721, July 28, 1974. The reported range of this perennial (Winterringer and Evers, 1960) is in the northern tier of Illinois counties. This species is listed by Bailey (1949) as a cultivated ornamental but it appears to be well established and spreading at this station. Identification confirmed by Dr. R. D. Henry.

Cyperus aristatus Rottb. Mowed area in low ground along a railroad 2 miles west of Macomb, Chalmers Township. Myers 4920, September 22, 1974.

Cyperus rivularis Kunth. In running water seep on a steep sandy bank near Pleasant Valley, Colchester Township. Myers 4881; September 15, 1974.

Beckmannia syzigachne (Steud.) Fern. About a dozen specimens were collected on low ground in a relict prairie along a railroad 2 miles west of Macomb, Chalmers Township. Myers 4720. Previous Illinois reports for this taxa are in Cook County during the nineteenth century and two from Lake County in 1955 and 1957. According to Hitchcock (1950) this species occurs in the northern tier of states from Washington to New York and in New Mexico. It "is palatable to stock, and sometimes sufficiently abundant locally to be an important forage grass and is not infrequently cut for hay." At this station this annual grass is probably a railroad migrant. Identification confirmed by Dr. R. D. Henry.

Diarrhena americana Beauv. Low ground on edge of woods 4 miles west of Macomb, Colchester Township. Myers 5004; September 29, 1974.

The addition of these species increases the known vascular plants growing wild in McDonough County to 947, but 27 are excluded as they are alien ornamentals or economic plants considered to be casual escapes from cultivation, anthropogenetic relicts or railroad migrants.

#### ACKNOWLEDGEMENT

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#### LITERATURE CITED

- BAILLEY, L. H. 1949. Manual of Cultivated Plants. rev. ed. Macmillan, New York. 1116 pp.
- HITCHCOCK, A. S. (revised by A. Chase) 1950. Manual of the Grasses of the United States. rev. ed. U. S. Gov't Printing Office, Washington, D. C. 1051 pp.
- JONES, G. N. 1963. Flora of Illinois. 3rd ed. Amer. Midl. Nat. Monog. 7: vi+ 401 pp.

- MYERS, R. M. 1972. Annotated catalog and index for the Illinois flora.  
Western Illinois University, Series in the Biological Sciences 10. 63 pp.
- WINTERRINGER, G. S. and R. A. EVERS. 1960. New records for Illinois vascular plants. Ill. St. Mus. Sci. Pap. Ser. 11:x + 135 pp.