

SOME COMPOSITAE NEW TO ILLINOIS

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ABSTRACT. — *Cosmos sulphureus* Cav., *Matricaria maritima* L. var. *agrestis* (knaf) Wilmott, *Coreopsis basalis* (Otto & Dietr.) Blake, *Leontodon leysseri* (Wallr.) G. Beck, *Eupatorium perfoliatum* L. forma *trifolium* Fassett, and *Cirsium discolor* (Muhl.) Spreng. forma *albiflorum* (Britt.) House are here for the first time reported as occurring in Illinois.

This paper reports six taxa of Compositae previously unknown as occurring in Illinois. It is the result of recent herbaria studies by the author in preparation of the Compositae in the *Illustrated Flora of Illinois*, edited by Robert H. Mohlenbrock, Southern Illinois University.

Cosmos sulphureus Cav. — A native of Mexico, Central America, and northern South America, this species is cultivated and has become established in the West Indies and southern United States north to the New England region. This plant is known from Illinois on the basis of a single collection deposited in the herbarium of the Illinois State Museum: WILL CO.: 2 mi. W. of Blodgett, Fuller 11226. Whether this collection represents an escape from cultivation or an introduction by man by means of some mode of transportation (railway or truck) enroute from the south remains only a matter of speculation. The persistence of this southern species in this northern climate is questionable and the inclusion of it in a flora of Illinois also is a matter of debate.

Matricaria maritima L. var. *agrestis* (Knaf) Wilmott. — This taxon, a native of Europe, is established in eastern United States and Canada as well as on the Pacific coast. Variety *maritima* is found occasionally in saline areas along

the eastern coast and differs from var. *agrestis* in being more branching, usually perennial, and having broader leaf segments. There is evidence that it is merely an ecological form and thus the taxonomic status of the varieties of this species are open to question, but it is not the intent of the author to discuss its status in this paper. This plant is known from Illinois from the following collection deposited in the herbarium of Southern Illinois University: DU PAGE CO.: C. Armbrust residence, Norfolk St., Downers Grove, Armbrust s.n.

Coreopsis basalis (Otto & Dietr.) Blake. — This species is a native of Texas, although it sometimes occurs as an escape from cultivation elsewhere. It is known from Illinois from a single collection deposited in the herbarium of the Illinois State Museum: LAKE CO.: Cedar Lake, Lake Villa, Fuller 13272.

Leontodon leysseri (Wallr.) G. Beck — This species, a native of Europe, is sparingly adventive in the New England area west of Ohio. It is the second species of this genus now reported from Illinois. *Leontodon autumnalis* L., also adventive from Europe, was reported once by Peppoon (Bull. Chicago Acad. Sci. 8:1-554, 1927) but has not been found since. The following specimen sent to Robert H. Mohlenbrock by Mr. Floyd Swink, Morton Arboretum, has been verified by the author and is deposited in the herbarium at Southern Illinois University: COOK CO.: Mount Hope Cemetery just north of Blue Island, Bartel s.n.

Eupatorium perfoliatum L. forma *trifolium* Fassett. — This form differs from the typical *Eupatorium perfoliatum* in having three leaves at a node rather than two. It previously was known only from Quebec in Canada and Maine and Massachusetts in the United States. The

following collection is deposited in the herbarium at the Field Museum of Natural History, Chicago: COOK CO.: Palos Park, *Steyermark* 40956.

Cirsium discolor (Muhl.) Spreng. forma *albiflorum* (Britt.) House.—This form differs from the typical *Cirsium discolor* in having the flowers white in

color rather than purple. It occurs sporadically throughout the range of the species. The following collection is deposited in the herbarium at Southern Illinois University: LA SALLE CO.: 2 mi. NW of Mendota along IC railroad tracks, *Richardson* 646.

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