

STUDY OF THE COMPOSITAE OF CHAMPAIGN COUNTY, ILLINOIS

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This study of the Compositae occurring in Champaign County is based chiefly on collections made by the author during the fall of 1950 and specimens in the herbarium of the University of Illinois.

There are 75 genera of Compositae and a total of 275 species recorded for Illinois. In Champaign County 51 genera and 143 species have been known to occur. The author collected 80 species, including *Hypochoeris radicata* L. which has not previously been found in the county. Of the 143 species recorded for Champaign County, 20 species have not been found in the last fifty years. These are as follows: *Agoseris cuspidata*, *Anthemis arvensis*, *Artemisia biennis*, *Artemisia vulgaris*, *Aster azureus*, *Aster ericoides*, *Aster sericeus*, *Boltonia asteroides*, *Cacalia tuberosa*, *Cirsium altissimum*, *Dyssodia papposa*, *Hieracium scabrum*, *Inula helenium*, *Krigia biflora*, *Liatris cylindracea*, *Prenanthes aspera*, *Senecio pauperculus*, *Solidago caesia*, *Solidago ridellii*, and *Sonchus asper*. Inasmuch as Champaign County is one of the best worked counties in the state, it is doubtful that they still occur there.

The sequence of genera and the nomenclature are those of G. N. Jones' "Flora of Illinois." Citations are of specimens located in the University herbarium. Asterisks indicate species which are believed to be

no longer present in the county. The following abbreviations are used: GNJ for G. Neville Jones and MLB for the author; I for Champaign or near Champaign and II for Urbana or near Urbana.

For much invaluable assistance and for many courtesies, I am indebted to Dr. G. N. Jones.

- Iva xanthifolia* Nutt. II (MLB) 1950
- Ambrosia elatior* L. I (MLB) 1950
- A. helenae* Rouleau II (MLB) 1950
- A. trifida* L. I (MLB) 1950
- Xanthium commune* Britt. I (MLB) 1950
- Vernonia altissima* Nutt. Mayview (MLB) 1950
- V. fasciculata* Michx. Tolono (G. S. Winterringer 1451) 1948
- V. missurica* Raf. I (MLB) 1950
- Eupatorium altissimum* L. I (MLB) 1950
- E. coelestinum* L. II (H. E. Ahles) 1949
- E. perfoliatum* L. I (MLB) 1950
- E. purpureum* L. St. Joseph (MLB) 1950
- E. rugosum* Houtt. II (MLB) 1950
- E. serotinum* Michx. II (MLB) 1950
- Kuhnia eupatorioides* L. I (MLB) 1950
- Liatris aspera* Michx. I (G. S. Winterringer 554) 1946
- **L. cylindracea* Michx. I (R. T. DeMotte) 1901
- L. pycnostachya* Michx. Tolono (G. S. Winterringer 1450) 1948
- Solidago altissima* L. I (MLB) 1950
- **S. caesia* L. II (A. Gilkerson) 1901
- S. gigantea* Ait. I (MLB) 1950
- S. glaberrima* Martens I (H. E. Ahles 1746) 1949
- S. juncea* Ait. II (GNJ 16533) 1944
- S. latifolia* L. St. Joseph (MLB) 1950
- S. media* (Greene) Bush I (MLB) 1950
- S. nemoralis* Ait. II (GNJ 17750) 1947
- **S. ridellii* Frank I (G. P. Clinton 28549) 1898
- S. rigida* L. I (MLB) 1950
- S. ulmifolia* Muhl. II (MLB) 1950

- **Boltonia asteroides* (L.) L'Her. II (A. B. Seymour) 1879
- **Aster azureus* Lindl. II (A. B. Seymour 16196) 1879
- A. cordifolius* L. II (MLB) 1950
- A. drummondii* Lindl. II (MLB) 1950
- **A. ericoides* L. II (W. S. Snyder 14122) 1881
- A. exiguus* (Fern.) Rydb. I (MLB) 1950
- A. laevis* L. I (MLB) 1950
- A. lateriflorus* (L.) Britt. II (MLB) 1950
- A. novae-angliae* L. I (MLB) 1950
- A. paniculatus* Lam. II (MLB) 1950
- A. ontarionis* Wieg. II (GNJ 14950) 1941
- A. pilosus* Willd. I (MLB) 1950
- A. sagittifolius* Wedem. II (GNJ 17754) 1947
- A. salicifolius* Lam. I (MLB) 1950
- **A. sericeus* Vent. I (R. T. DeMotte) 1901
- A. shortii* Lindl. II (MLB) 1950
- A. tradescanti* L. II (GNJ 16314) 1943
- A. vimineus* Lam. II (GNJ 13097) 1940
- Erigeron annuus* (L.) Pers. I (MLB) 1950
- E. canadensis* L. I (MLB) 1950
- E. philadelphicus* L. II (GNJ 12883) 1940
- E. strigosus* Muhl. II (GNJ 11462) 1940
- Antennaria fallax* Greene II (W. E. Manning) 1928
- A. neglecta* Greene II (GNJ 17763) 1948
- A. parlinii* Fern. Sidney (D. H. Ecke) 1947
- A. plantaginifolia* (L.) Hook. II (GNJ 15686) 1943
- Gnaphalium obtusifolium* L. II (GNJ 13271) 1940
- **Inula helenium* L. II (— 14136) —
- Polymnia canadensis* L. St. Joseph (MLB) 1950
- Silphium integrifolium* Michx. I (MLB) 1950
- S. laciniatum* L. I (MLB) 1950
- S. perfoliatum* L. I (MLB) 1950
- S. terebinthinaceum* Jacq. I (MLB) 1950
- Parthenium integrifolium* L. I (MLB) 1950
- Heliospis helianthoides* (L.) Sweet. II (MLB) 1950
- Eclipta alba* (L.) Hassk. II (MLB) 1950
- Rudbeckia hirta* L. II (N. R. Piesbergen) 1942
- R. laciniata* L. St. Joseph (MLB) 1950
- R. submentosa* Pursh I (MLB) 1950
- R. triloba* L. II (MLB) 1950
- Brauneria pallida* (Nutt.) Britt. I (MLB) 1950
- Ratibida pinnata* (Vent.) Barnh. I (MLB) 1950
- Galinsoga ciliata* (Raf.) Blake. I (MLB) 1950
- Helianthus annuus* L. II (MLB) 1950
- H. decapetalus* L. II (D. Garrett, Jr. 148) 1949
- H. divaricatus* L. II (MLB) 1950
- H. grosseserratus* Martens I (MLB) 1950
- H. hirsutus* Raf. II (MLB) 1950
- H. mollis* Lam. II (GNJ 15301) 1942
- H. occidentalis* Riddell I (MLB) 1950
- H. petiolaris* Nutt. II (MLB) 1950
- H. rigidus* (Cass.) Desf. I (MLB) 1950
- H. strumosus* L. II (MLB) 1950
- H. tuberosus* L. II (MLB) 1950
- Verbesina alternifolia* (L.) Britt. II (MLB) 1950
- Verbesina helianthoides* Michx. II (GNJ 12234) 1940
- Coreopsis palmata* Nutt. I (MLB) 1950
- C. tripteris* L. II (GNJ 12883) 1940
- Bidens aristosa* (Michx.) Britt. I (MLB) 1950
- B. bipinnata* L. II (MLB) 1950
- B. cernua* L. II (MLB) 1950
- B. comosa* (A. Gray) Wieg. I (MLB) 1950
- B. connata* Muhl. II (MLB) 1950
- B. discoidea* (T. & G.) Britt. II (MLB) 1950
- B. frondosa* L. I (MLB) 1950
- B. polylepis* Blake II (GNJ 17344) 1945
- B. vulgata* Greene I (MLB) 1950
- Helenium autumnale* L. I (MLB) 1950
- H. nudiflorum* Nutt. II (GNJ 12501) 1940
- **Dyssodia papposa* (Vent.) Hitchc. Mahomet (G. P. Clinton 29888) 1899
- Achillea millefolium* L. II (MLB) 1950
- **Anthemis arvensis* L. II (W. B. Waite 16486) 1884
- A. cotula* L. II (GNJ 15260) 1942
- Chrysanthemum leucanthemum* L. II (G. J. Norwood) 1948
- Tanacetum vulgare* L. II (GNJ 12900) 1940
- **Artemisia biennis* Willd. I (G. P. Clinton 11902) 1895
- A. ludoviciana* Nutt. Mahomet (GNJ 18865) 1949
- **A. vulgaris* L. II (G. P. Clinton 12512) 1895
- Cacalia atriplicifolia* L. II (GNJ 16273) 1943
- C. muhlbergii* (Sch.-Bip.) Fern. II (GNJ 16301) 1941
- **C. tuberosa* Nutt. I (G. P. Clinton 26240) 1888
- Erechtites hieracifolia* (L.) Raf. St. Joseph (MLB) 1950
- Senecio aureus* L. Mahomet (GNJ 17412) 1946

- **S. pauperculus* Michx. Champaign Co. (Collector unknown, 16551) date unknown
S. plattensis Nutt. II (GNJ 11319) 1940
S. vulgaris L. II (GNJ 13824) 1941
Arctium lappa L. II (MLB) 1950
A. minus (Hill) Bernh. I (MLB) 1950
 **Cirsium altissimum* (L.) Spreng. St. Joseph (G. P. Clinton 29874) 1899
C. arvense (L.) Scop. Rantoul (H. M. Franklin) 1949
C. discolor (Muhl.) Spreng. I (MLB) 1950
C. hillii (Canby) Fern. II (R. J. Miller) 1948
C. vulgare (Savi) Airy-Shaw I (MLB) 1950
Onopordum acanthium L. II (Roy Hempel) 1948
Tragopogon dubius Scop. II (MLB) 1950
T. porrifolius L. II (GNJ 15711) 1943
T. pratensis L. II (MLB) 1950
Hypochaeris radicata L. along RR, W of Champaign (MLB) 1950
 **Krigia biflora* (Walt.) Blake, Champaign Co. (N. A. Weston) 1890
Cichorium intybus L. I (MLB) 1950
Lactuca canadensis L. I (MLB) 1950
L. floridana (L.) Gaertn. St. Joseph (MLB) 1950
L. scariola L. I (MLB) 1950
L. villosa Jacq. II (GNJ 12844) 1940
Sonchus arvensis L. II (MLB) 1950
 **S. asper* (L.) Hill II (G. P. Clinton 82655) 1900
S. oleraceus L. I (MLB) 1950
 **Prenanthes aspera* Michx. I (G. P. Clinton 11889) 1895
P. crepidinea Michx. Mahomet (H. E. Ahles & GNJ 1710) 1949
P. racemosa Michx. I (G. P. Clinton 11887) 1895 (Reported to have been

observed, 1949 W. of Champaign, no specimen.)

- **Hieracium scabrum* Michx. Champaign Co. (Collector unknown, 16625) date unknown
 **Agoseris cuspidata* (Pursh) D. Dietr. Champaign Co. (O. B. Stanard) 1875
Taraxacum erythrospermum Andr. II (GNJ 16767) 1945
T. officinale Weber I (MLB) 1950

It would seem that 68 percent of the genera and 52 percent of the species of Compositae occurring in Illinois also occur or have occurred in Champaign County. Considering that this county contains only a little more than 1 percent of the area of the state, the Compositae are well represented. *Hypochaeris radicata* L. is an interesting addition to the flora of Champaign County.

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