TRANSACTIONS, ILL. STATE ACAD. SCI.
Vol. 69, No. 1 (1976)

ADDITIONS TO THE VASCULAR FLORA OF GREENE COUNTY, ILLINOIS

R. D. Henry and A. R. Scott
Western Illinois University, Macomb 61455

ABSTRACT

One hundred and two previously unrecorded species of vascular plants for Greene County, Illinois are reported.

The vascular plant records reported in this paper for Greene County, Illinois, are the result of collections made from the summer of 1973 through the fall of 1975. Dolbeare (1973), Dolbeare and Ebinger (1974), Jones and Fuller (1955), Mohlenbrock (1967, 1970a, 1970b, 1972, 1973), Sheviak (1974) and Winterringer and Evers (1960) have already recorded 545 species of vascular plants for the county and listed in this report are an additional 102 species. The species reported represent 44 families (1 fern, 37 dicot, 6 monocot). Of these species one is a fern, 13 are monocots and 88 are dicots, the latter group comprised of 80 herbaceous and 8 woody species. Of these 102 species reported, 66 (64.7%) are native and 36 (35.3%) are aliens. Most of the aliens were collected from old fields or disturbed ground, indicating that these non-native disturbophytes comprise an ever increasing part of the county flora, replacing native plants whose habitats are being destroyed primarily by agricultural practices.

Two species in the following list merit comment on their occurrence. Rudbeckia amplexicaulis Vahl is noted by Jones (1963) as rarely adventive from western United States, by Jones and Fuller (1955) as occurring along railroads in two counties (Cook in 1893 and Jackson in 1951), and by Kibbe (1952) (without habitat) as questionably occurring in Hancock County. The Greene County specimens were collected from a small group of plants at the edge of a field. The initial collection of Dipsacus laciniatus L. was made from a large population which had spread several hundred feet from a cemetery. A later collection (Coll. Nos. 491, 492, 493) of D. laciniatus was from a roadside approximately three miles from the nearest cemetery. These plants were growing for a distance of about 100 feet along the edge of a gravel road and it is suggested that seeds may have been dropped from a passing vehicle. Although this species can not be considered naturalized it is certainly spontaneous and growing quite successfully even though some of the plants were dwarfed probably due to mowing and the gravelly soil.

In the following list, each of the 102 species listed is followed by a habitat notation and the collector's name and collection number. Nomenclature follows that of Jones (1963). An asterisk preceeding the name indicates the species as an alien based on Myers (1972). Floating and submerged hydrophyte voucher specimens are deposited in the W.I.U. Kibbe Life Science Station Herbarium (WARK) and all other voucher specimens are deposited in the Western Illinois University Herbarium (MWI).

FERNS
SALVINIACEAE

Azolla mexicana Presl. Ditch; Henry and Scott 398.

DICOTYLEDONEAE
ACANTHACEAE

Ruellia humilis Nutt. Moist woods; Scott 161.

AIZOACEAE

*Mollugo verticillata L. Open waste ground; Henry and Scott 278.

APOCYNACEAE

Apocynum sibiricum Jacq. Roadside; Henry and Scott 275.

ASCLEPIADACEAE

Ampelamus albidus (Nutt.) Britt. Field; Henry and Scott 377.

Asclepias incarnata L. Swamp; Henry and Scott 342.

Asclepias syriaca L. Roadside ditch; Henry and Scott 399.

BETULACEAE

Corylus americana Walt. Woods; Scott 140.

BIGNONIACEAE

Campsis radicans (L.) Seem. Roadside ditch; Henry and Scott 375.

BORAGINACEAE

Hackelia virginiana (L.) I.M. Johnst. Open woods; Scott 78.

CANNABINACEAE

*Cannabis sativa L. Disturbed field near fence; Scott 200.

CAPPARIDACEAE

Polanisia dodecandra (L.) DC. By railroad; Henry and Scott 297.

CAPRIFOLIACEAE

Sambucus canadensis L. Fenced border of woods; Scott 119.

CARYOPHYLLACEAE

*Arenaria serpyllifolia L. By railroad; Henry and Scott 285.

*Lychnis alba Mill. By roadside ditch; Henry and Scott 246.

Silene stellata (L.) Ait.f. Woods; Scott 95.

CERATOPHYLLACEAE

Ceratophyllum demersum L. Swamp; Henry and Scott 425.

CHENOPODIACEAE

Chenopodium boscianum Moq. Old field; Henry and Scott 390.

*Salsola pestifer A. Nels. Railroad; Henry and Scott 393.

CISTACEAE

Lechea tenuifolia Michx. Old field; Henry and Scott 338.

COMPOSITAE

*Anthemis cotula L. Edge of woods; Scott 12.

Aster novae-angliae L. Swamp; Henry and Scott 300.

Bidens frondosa L. Field; Henry and Scott 424.

Bidens polylepis Blake. Along ditch; Henry and Scott 476.

Boltonia recognita (Fern. and Grisc.) G.N. Jones. Wet ditch; Henry and Scott 487, 488.

*Carduus nutans L. Waste ground; Henry and Scott 414.

*Chrysanthemum leucanthemum L. Old field; Henry and Scott 381.

*Cirsium vulgare (Savi) Tenore. Disturbed ground, border of woods; Scott 100.

Eclipta alba (L.) Hassk. Swamp; Henry and Scott 299.

Eupatorium perfoliatum L. Swamp; Henry and Scott 347, 357.

Eupatorium purpureum L. Open woods; Scott 129.

*Galinsoga ciliata (Raf.) Blake. Old field; Henry and Scott 431.

*Helianthus annuus L. By railroad; Henry and Scott 511, 512.

*Matricaria matricarioides (Less.) Porter. Waste ground; Henry and Scott 413.

*Rudbeckia amplexicaulis Vahl. Edge of field; Henry and Scott 250.

Rudbeckia laciniata L. Floodplain; Henry and Scott 489, 490.

Rudbeckia triloba L. Swamp; Henry and Scott 340.

Solidago nemoralis Ait. Light open woods; Henry and Scott 503.

Solidago ulmifolia Muhl. Open light woods; Henry and Scott 519, 520.

*Sonchus oleraceus L. Old field; Henry and Scott 366.

*Tragopogon dubius Scop. Roadside; Henry and Scott 394.

Verbesina helianthoides Michx. Edge of woods; Henry and Scott 229.

Xanthium commune Britt. Disturbed ground, edge of woods; Scott 169.

CRUCIFERAE

*Brassica nigra (L.) Koch. Roadside; Henry and Scott 395.

*Lepidium campestre (L.) R.Br. By railroad; Henry and Scott 296.

*Rorippa sylvestris (L.) Besser. By railroad; Henry and Scott 203.

CUCURBITACEAE

Sicyos angulatus L. Illinois River floodplain; Henry and Scott 276.

DIPSACACEAE

*Dipsacus laciniatus L. Railroad across from cemetery; Henry and Scott 332.

EUPHORBIACEAE

Chamaesyce supina (Raf.) Moldenke. Railroad; Henry and Scott 358.

Croton monanthogynus Michx. By railroad; Henry and Scott 287.

HYPERICACEAE

Hypericum punctatum Lam. Woods along creek; Scott 122.

Hypericum sphaerocarpum Michx. By roadside; Henry and Scott 204, 205.

LABIATAE

Blephilia hirsuta (Pursh.) Benth. Edge of woods; Henry and Scott 259.

*Nepeta cataria L. Roadside; Henry and Scott 209.

Pycnanthemum flexuosum (Walt.) BSP. Open woods; Scott 184.

LEGUMINOSAE

Apios americana Medic. Waste ground; Henry and Scott 231.

Baptisia leucantha T.&G. Roadside; Henry and Scott 227, 228.

*Lespedeza stipulacea Maxim. Along ditch by road; Henry and Scott 522.

*Vicia dasycarpa Ten. By railroad; Henry and Scott 242.

LOBELIACEAE

Lobelia cardinalis L. Lowland; Henry and Scott 521.

LYTHRACEAE

Cuphea petiolata (L.) Koehne. Woods; Scott 189.

MALVACEAE

*Abutilon theophrasti Medic. Field; Henry and Scott 428.

*Hibiscus trionum L. Old field; Henry and Scott 513, 514.

MORACEAE

*Morus alba L. Field; Henry and Scott 421.

NYCTAGINACEAE

Mirabilis nyctaginea (Michx.) MacM. Railroad; Henry and Scott 363.

ONAGRACEAE

Circaea latifolia Hill. Rich woods; Scott 32.

Jussiaea repens L. Ditch; Henry and Scott 361.

POLYGONACEAE

*Polygonum aviculare L. Field; Henry and Scott 420.

*Rumex crispus L. Old field; Henry and Scott 265.

RANUNCULACEAE

Anemone virginiana L. Rich woods; Scott 30.

Ranunculus sceleratus L. By ditch; Henry and Scott 238.

ROSACEAE

Agrimonia parviflora Ait. Old field; Henry and Scott 369.

Malus ioensis (Wood) Britt. Edge of woods; Henry and Scott 270.

*Potentilla recta L. Railroad; Henry and Scott 372.

*Rosa multiflora Thunb. Scattered throughout woods; Scott 177.

Rubus allegheniensis Porter. Open wooded hillside; Scott 64.

SCROPHULARIACEAE

*Chaenorrhinum minus (L.) Lange. By railroad; Henry and Scott 298.

Gerardia tenuifolia Vahl. Old field; Henry and Scott 388.

*Linaria vulgaris Hill. By railroad; Henry and Scott 224.

Mimulus ringens L. Swamp; Henry and Scott 349.

*Verbascum blattaria L. By railroad; Henry and Scott 292.

SIMARUBIACEAE

*Ailanthus altissima (Mill.) Swingle. Fence row; Henry and Scott 406.

SOLANACEAE

Solanum nigrum L. Field; Henry and Scott 422.

UNBELLIFERAE

Chaerophyllum procumbens (L.) Crantz. Old woods; Henry and Scott 320.

Cryptotaenia canadensis (L.) DC. Woods; Scott 195.

Osmorhiza claytonii (Michx.) Clarke. Woods; Henry and Scott 308.

URTICACEAE

Boehmeria cylindrica (L.) Sw. Old field; Henry and Scott 392.

Urtica gracilis Ait. Roadside ditch; Henry and Scott 282.

ZYGOPHYLLACEAE

*Tribulus terrestris L. Railroad; Henry and Scott 370.

MONOCOTYLEDONEAE
CYPERACEAE

Carex normalis Mack. Roadside ditch; Henry and Scott 452.

Eleocharis calva Torr. Ditch; Henry and Scott 458.

Scirpus acutus Muhl. By ditch; Henry and Scott 462.

GRAMINEAE

Calamagrostis canadensis (Michx.) Beauv. Ditch by road; Henry and Scott 442.

Muhlenbergia frondosa (Poir.) Fern. By railroad; Henry and Scott 470.

Paspalum geminum Nash. Along ditch; Henry and Scott 469.

Phalaris arundinacea L. Roadside ditch; Henry and Scott 445.

LEMNACEAE

Lemna minor L. Swamp; Henry and Scott 337.

Wolffia columbiana Karst. Swamp; Henry and Scott 335.

LILIACEAE

*Hemerocallis fulva L. Edge of road; Henry and Scott 253.

ORCHIDACEAE

Liparis lilifolia (L.) Rich. Wooded hillside; Scott 182.

POTAMOGETONACEAE

Potamogeton americanus C.&S. Swamp; Henry and Scott 427.

*Potamogeton crispus L. Submerged in ditch; Henry and Scott 254.

LITERATURE CITED

Dolbeare, B. L. 1973. Plant Collections of Rollo T. Rexroat. Trans. Ill. State Acad. Sci. 66(3/4):81-93.

Dolbeare, B. L. & J. Ebinger. 1974. Distribution of the Common Hydrophytes in Illinois. Trans. Ill. State Acad. Sci. 67(4):402-417.

Jones, G. N. 1963. Flora of Illinois. 3rd ed. Amer. Midl. Nat. Monograph No. 7, Univ. of Notre Dame Press, Notre Dame, Ind. 401 pp.

Jones, G. N. and G. D. Fuller. 1955. Vascular Plants of Illinois. Univ. of Ill. Press, Urbana, and Ill. State Museum, Springfield. 593 pp.

Kibbe, A. L. 1952. A Botanical Study and Survey of a Typical Midwestern County [Hancock County, Illinois]. The author, Carthage, Illinois. 431 pp.

Mohlenbrock, R. H. 1967. The Illustrated Flora of Illinois. Ferns. Southern Ill. Univ. Press, Carbondale. 191 pp.

_____. 1970a. Additions to the Illustrated Flora of Illinois. I. Trans. Ill. State Acad. Sci. 63(1):42-50.

_____. 1970b. The Illustrated Flora of Illinois. Flowering Plants: Lilies to Orchids. Southern Ill. Univ. Press, Carbondale. 288 pp.

_____. 1972. The Illustrated Flora of Illinois. Grasses: Bromus to Paspalum. Southern Ill. Univ. Press, Carbondale. 332 pp.

_____. 1973. The Illustrated Flora of Illinois. Grasses: Panicum to Danthonia. Southern Illinois Univ. Press, Carbondale. 378 pp.

Myers, R. M. 1972. Annotated Catalogue and Index for the Illinois Flora. West. Illinois Univ. Ser. in the Biol. Sci. No. 10, Macomb. 64 pp.

Sheviak, C. J. 1974. An Introduction to the Ecology of the Illinois Orchidaceae. Ill. State Mus. Sci. Papers XIV, Springfield. 89 pp.

Winterringer, G. S. and R. A. Evers. 1960. New Records for Illinois Vascular Plants. Ill. State Mus. Sci. Papers Ser., Vol. XI, Springfield. 135 pp.