

INDIANA PLANT DISTRIBUTION RECORDS

Richard H. Maxwell, Gail Emmert, and Julia H. Martin
Herbarium
Indiana University Southeast
New Albany, Indiana 47150

ABSTRACT: Botany classes at Indiana University Southeast and individual collectors have found 83 new vascular plant records for Clark, Floyd, Harrison, and Washington Counties of Indiana. Two, *Papaver dubium* and *Scilla sibirica*, are new for the state. The voucher specimens are in the Indiana University herbarium at Bloomington (IND).

INTRODUCTION

Distribution records are listed for the southern Indiana Counties of Clark, Floyd, Harrison, and Washington. Genera are in the order of their appearance in the *Flora of Indiana* (Deam, 1940); species within each genus are alphabetical. Nomenclature conforms to Gray's *Manual of Botany*, 8th ed. (Fernald, 1950), unless noted as following Gleason and Cronquist (1963) or Mohlenbrock (1975). The indications of state endangered (e), threatened (t), or rare (r) follow Aldrich, *et al.* (1986).

METHODS AND MATERIALS

Some collections were made as required class work for botany classes at Indiana University Southeast. Others were made by independent collectors. Collectors were Ron Calabro, Jane Durham, Gail Emmert, Theresa Hahn, Katie Heavrin, John Hobson, Ruth Jones, Gail Lowery, Julia H. Martin, Richard H. Maxwell, Jack Neff, Susan Newman, Lori Saulman, Doug Trusner, and Helen White. Gail Emmert collected all the Washington County records.

The specimens were processed, preliminary determinations made, and the pertinent literature checked at the Indiana University Southeast herbarium (JEF). The voucher specimens for the new records were sent to the Indiana University herbarium at Bloomington (IND) for verification of identifications and eventual incorporation into the permanent collection.

RESULTS AND DISCUSSION

The following species with their counties were collected and identified:

Botrychium dissectum var. *obliquum* (Gleason & Cronquist, 1963),
Washington
Cystopteris fragilis var. *protrusa*, Washington
Lycopodium flabelliforme, Washington
Alisma subcordatum, Washington
Agrostis cilianensis, Clark

Bromus pubescens, Floyd
Diarrhena americana, Floyd
Holcus lanatus, Clark
Lolium perenne, Harrison
Carex nigro-marginata, Floyd
Carex scoparia, Floyd
Arisaema dracontium, Clark
Commelina communis, Washington
Luzula multiflora, Floyd
Asparagus officinalis, Washington
Hemerocallis fulva, Washington
Lilium superbum (t), Washington
Ornithogalum umbellatum, Washington
Scilla sibirica, Washington
Smilax herbacea, Washington
Sisyrinchium angustifolium (Mohlenbrock, 1975), Washington
Liparis lilifolia, Washington
Spiranthes vernalis, Washington
Parietaria pensylvanica var. *pensylvanica*, Clark
Polygonum cespitosum var. *longisetum*, Floyd
Polygonum pensylvanicum var. *laevigatum*, Floyd
Polygonum punctatum, Floyd
Rumex acetosella, Washington
Chenopodium standleyanum (Mohlenbrock, 1975), Clark
Amaranthus tuberculatus, Washington
Dianthus armeria, Washington
Saponaria officinalis, Washington
Cimicifuga racemosa, Floyd, Washington
Ranunculus sceleratus, Clark
Podophyllum peltatum, Washington
Dentaria diphylla, Floyd
Hesperis matronalis, Washington
Lepidium virginicum, Washington
Thlaspi perfoliatum, Clark
Duchesnea indica, Clark
Potentilla recta, Washington
Rubus allegheniensis, Floyd
Coronilla varia, Washington
Desmodium nudiflorum, Floyd
Lathyrus latifolius, Washington
Lespedeza intermedia, Floyd
Lespedeza nuttallii (r), Floyd
Lespedeza virginica, Clark
Lotus corniculatus, Washington
Medicago lupulina, Washington
Trifolium pratense, Washington
Acalypha ostryaefolia, Floyd
Tilia heterophylla, Floyd

Viola canadensis, Floyd
Viola pensylvanica (= *V. pubescens* var. *eriocarpa* (Mohlenbrock, 1975)),
Clark
Passiflora incarnata, Washington
Passiflora lutea var. *glabriflora*, Washington
Circaea quadrisulcata var. *canadensis*, Washington
Oenothera biennis, Floyd
Lysimachia nummularia, Washington
Apocynum cannabinum, Washington
Ampelamus albidus, Washington
Cuscuta gronovii, Floyd
Hydrophyllum macrophyllum, Clark
Scutellaria parvula var. *australis* (r), Floyd
Penstemon brevisepalus, Washington
Penstemon digitalis, Washington
Verbascum blattaria, Washington
Veronica hederæfolia, Floyd
Galium concinnum, Washington
Houstonia caerulea, Washington
Valerianella radiata, Clark
Lobelia siphilitica, Floyd
Ambrosia trifida, Floyd
Aster ciliolatus, Floyd
Aster sagittifolius, Floyd
Carduus nutans, Harrison
Chrysanthemum leucanthemum var. *pinnatifidum*, Washington
Erigeron philadelphicus, Washington
Heliopsis helianthoides, Washington
Polymnia uvedalia, Washington
Taraxacum officinale, Washington
Tragopogon pratensis, Floyd.

Papaver dubium L. and *Scilla sibirica* Haw. are possible state records. The poppy, a unicate railroad waif (Maxwell 2251), was collected along railroad tracks between Speed and Memphis, May 31, 1985. The squill is a common cultivated plant which has escaped and probably has become naturalized in Indiana, as noted by Fernald (1950) in Ohio. The squill collection, Emmert 3, April 13, 1990, was one of several from a roadside isolated from dwellings.

ACKNOWLEDGMENTS

The authors wish to thank Lewis Johnson, curator (IND), for his expert help with the determinations and Doug Trusner for his valuable field assistance. Ron Calabro helped with many of the preliminary determinations in the JEF herbarium and Julia Martin organized the manuscript.

Many of the Floyd County records were collected in the Brock-Sampson Nature Preserve with a collection permit from John Bacone, Director, Indiana Nature Preserves. The permit was greatly appreciated.

LITERATURE CITED

- Aldrich, J.R., J.A. Bacone, and M.A. Homoya. 1986. List of extirpated, endangered, threatened, and rare vascular plants in Indiana: An update. *Proc. Indiana Acad. Sci.* 95: 413-419.
- Deam, C.C. 1940. *Flora of Indiana*. Department of Conservation, Indianapolis, Indiana, 1236 pp.
- Fernald, M.L. 1950. *Gray's manual of botany*. American Book Co., New York, 1632 pp.
- Gleason, H.A. and A. Cronquist. 1963. *Manual of the vascular plants of the northeastern United States and adjacent Canada*. D. Van Nostrand Co., Princeton, New Jersey, 810 pp.
- Mohlenbrock, R.H. 1975. *Guide to the vascular flora of Illinois*. Southern Illinois Univ. Press, Carbondale, Illinois, 494 pp.