

New County Records for Fayette and Franklin Counties, Indiana

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In the course of a research project sponsored by the Charles F. Kettering Foundation on the Flora of the Whitewater valley in relation to the glacial tills and their respective soil types, we became interested in the fact that some species that we were encountering were county records. Each plant specimen has been placed in the Herbarium of the Joseph Moore Museum of Earlham College with the nomenclature in accord with Gray's Manual of Botany, 8th Edition. The following list is in the order used in Deam's Flora of Indiana, and includes 33 species in the same number of genera. In several instances Deam's nomenclature is given parenthetically. Following each species is the name of the county in which it was collected.

Ophioglossum vulgatum, Franklin. *Botrychium dissectum* var. *tenuifolium*, Fayette. *Osmunda Claytoniana*, Franklin. *Onoclea sensibilis*, Fayette. *Dryopteris noveboracensis*, Franklin. *Athyrium Felix-femina*, (*A. asplenoides* or *A. Angustum*), Franklin. *Lycopodium complanatum* var. *flabelliforme*, (*L. flabelliforme*), Franklin and Fayette. *Alisma subcordatum*, Franklin. *Arisaema Dracontium*, Franklin. *Juglans cinerea*, Franklin and Fayette. *Ostrya virginiana*, Fayette. *Quercus bicolor*, Franklin. *Quercus palustris*, Franklin. *Boehmeria cylindrica*, Franklin. *Hepatica acutiloba*, Franklin. *Clematis virginiana*, Franklin. *Asimina triloba*, Franklin. *Nasturtium officinale*, Franklin. *Platanus occidentalis*, Franklin. *Gymnocladus dioica*, Franklin. *Acer rubrum*, Fayette. *Tilia americana*, Franklin. *Panax quinquefolium*, Fayette. *Nyssa sylvatica*, Fayette. *Gaylussacia baccata*, Franklin. *Fraxinus nigra*, Franklin. *Scrophularia marilandica*, Fayette. *Cephalanthus occidentalis*, Franklin. *Virburnum dentatum*, (*V. pubescens*), Franklin. *Lobelia Cardinalis*, Franklin. *Eupatorium fistulosum*, Franklin. *Cacalia Muhlenbergii*, Franklin.

Three of the previous species have significance for this area of the state. In both counties we found the *Lycopodium complanatum* var. *flabelliforme* growing in reasonably sunny, open spots surrounded by low second growth timber. It covered an area approximately 1,700 sq. ft. in two locations in Franklin Co., while the area covered in the Fayette Co. location was about 300 sq. ft. According to the Plant Distribution Records I through XVII of Indiana, Jefferson Co. is the only other county in the eastern half of the state to have a previous recording. We were also surprised to find *Gaylussacia baccata* growing in Franklin Co. although it has been recorded in Bartholomew, Jefferson, and Switzerland counties, all of which are within 40 miles. The condition under which we found it was a flat, poorly drained, wooded area of Clermont silt loam and trees of sweet gum, black gum, black oak, swamp-white oak, and pin oak. The *Osmunda Claytoniana* which we collected was taken from a very small stand in a woods of primary growth in northern Franklin Co. The distribution records include this for Jefferson Co., but as the only other record for southeastern Indiana.