

NOTES ON ORCHIDACEAE COLLECTED IN ATHENS COUNTY, OHIO

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The following list of orchids of Athens County is taken from the herbarium sheets in my collection at Athens High School; the notes are from my own observation and experience; the orchids are classified and numbered according to the system of the Ohio State University Herbarium. The name, according to the International Code, is included in parenthesis. The dates given are the dates when first placed in my herbarium. Recent observations have been made and most of the stations are still intact.

I have not listed *Cypripedium parviflorum* Salisb. (*C. calceolus* L. var. *parviflorum* (Salisb.) Fern.) Yellow Lady's slipper, or *Fissipes acaulis* (Ait.) Small (*Cypripedium acaule* Ait), Moccasin Flower, because I have not collected them in Athens County. Both are listed in the Ohio University Herbarium. Mr. Leonard L. Stephenson, of Buchtel, Ohio, has collected *C. parviflorum* but not *F. acaulis* in Athens County. Dr. William C. Stehr and Dr. A. H. Blickle, of Ohio University, reported seeing both in Athens County. My grandfather collected both of them on the outskirts of Athens, Ohio, forty-five years ago.

It seems to me that Athens County has a wide variety of flora, and that this list of orchids represents a rather large variety of species.

1. (639) *Galeorchis spectabilis* (L) Rydb. (*Orchis spectabilis* L.) Showy Orchis. 5/16/37. Common in damp woods, usually in beech woods. Not plentiful but no difficulty finding specimens in woods close to Athens, Ohio, at present time. It has a delightful odor, the only orchid I know of which does have an odor.

2. (643) *Gymnadeniopsis clavellata* (Mx.) Rydb. (*Habenaria clavellata* Mx.) Spreng. Green Wood Orchis-Edge of pine planting near swampy area, climbing fern, *Lygodium palmatum*, and club moss *Lycopodium clavatum* nearby.

3. (648) *Blephariglotis lacera* (Mx.) Farw. (*Habenaria lacera* (Mx.) Spreng) 7/21/40. Ragged fringed Orchis. Marshy hillside near The Plains, Ohio. A small area with plants unusual to the locality including *Filipendula rubra*, *Pteris aquilina* L., *Ilex verticellata* (L), *Micranthes pennsylvanica* (L). This is the southernmost record for *M. pennsylvanica* in Ohio. Another station for *B. lacera* is Carthage Twp. shown to me by Harold Moore.

4. (650) *Blephariglotis paramoena* (Gr.) Rydb. (*Habenaria paramoena* Gray). Fringeless Purple Orchid. Open swampy areas. One station, now being obliterated, still showed one specimen at edge of city street in Athens, Ohio, in July, 1951. It disappears with the coming of shrubby growth in the swamps. It also seems to come and go in an area in five to seven year cycles.

5. (654) *Ibidium cernuum* (L) House (*Spiranthes cernua* (L) Richard) 9/18/38. Nodding Ladies Tresses. In moist ground, grassy area. One station back of U. S. Forestry Station, Athens, Ohio. Another at Izaak Walton Farm, Waterloo Twp. Athens County, Ohio. Fairly common.

6. (655) *Ibidium ovale* (Lindl.) House (*Spiranthes ovalis* Lindl.) 9/26/37. Oval Ladies Tresses. Athens Twp. Pittsburgh Coal Co. land west of Athens, Ohio. I have found this orchid to be more common in pawpaw thickets. Stations still intact. Winter leaf still green at inflorescence, collected with Mr. P. S. Wamsley.

7. (658) *Ibidium gracile* (Bigel.) House (*Spiranthes ovalis* Lindl.) 7/30/39. Slender Ladies Tresses. Open dry grassy area Athens Twp. Found first in 1937 growing on grassy bank in my backyard at Athens, Ohio with E. N. Mills. Common.

8. (659) *Ibidium beckii* (Lindl.) House (*Spiranthes tuberosa* Raf.) 8/7/37. Little Ladies Tresses. Waterloo Twp., Enderlin Forest, and Izaak Walton Farm. The Enderlin specimen growing in open space in pine planting. The Izaak Walton specimen in grassy area at edge of oak woods. Not common in this area. Seems to like more moisture than some of the other members of this genus. It has a more slender stem than the Slender Ladies Tresses. Several of this species given to me by Leonard L. Stephenson at Buchtel, Ohio, where it is more common.

9. (660) *Peramium pubescens* (Willd.) Mac. M. (*Goodyera pubescens* (Willd.) R. Br.). Downy Rattlesnake Plantain common in Athens County. Found in oak woods and pine plantings. No collection date on herbarium specimen. The winter rosette with its white lines makes a nice showing in the winter woods. Common.

10. (665) *Isotria verticellata* (Willd.) Raf. May 10, 1936. Whorled Isotria. Found in Enderlin Forest at Carbondale. Growing among pine, also among hard woods at edge of planting. Not common in Athens County.

11. (666) *Malaxis unifolia* Mx. Green Adder's mouth, July 6, 1935. Growing in pine planting at Carbondale, Ohio. Common in pine in Enderlin Forest at Carbondale and at Waterloo State Forest.

12. (667) *Liparis liliifolia* (L.) Rich. May 27, 1937. Large Tway Blade. Growing in swampy area at Izaak Walton Farm in Waterloo Twp. Subsequent specimens found in beech woods and some in dry situations. Some argument about the first specimen but I could not convince anyone that it was the Fen Tway Blade.

13. (669) *Tipularia unifolia* (Muhl.) BSP (*Tipularia discolor* (Pursh) Nutt.). Crane-fly Orchis. Waterloo Twp. Found in beech woods at Enderlin Forest and Izaak Walton Farm. Identified in winter by its one green leaf, purple on the underside. May be missed easily when in bloom.

14. (670) *Aplectrum hymale* (Muhl.) Torr. May 15, 1937. Putty-root. Athens Twp. Rowlands Farm. Usually in partial shade at edge of woods. Fleshy corm tastes like putty probably does.

15. (672) *Corallorrhiza maculata* Raf. August, 1939. Large or spotted coral-root. Waterloo Twp. Beech woods. One specimen for Athens County.

16. (673) *Corallorrhiza wisteriana* Conrad. 4/26/38. Wister's Coral Root Athens Twp. Peach Ridge near Athens, Ohio. I found this plant first growing in middle of an old path in beech woods. Mainly in open places among dead leaves. It blooms very early in the spring and is soon gone.

17. (674) *Corallorrhiza odontorrhiza* (Willd.) Nutt. 10/5/36. Small-flowered or Late Coral-root. Waterloo Twp. Common in pine woods in Athens County. A very late bloomer. I have found it in bloom in November.
