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NEW RECORDS FOR THE ARKANSAS FLORA III

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In the past few years, several species of plants which had not previously been reported for the Arkansas Flora have been found by the writer and some other students of this subject. Some of these species are entirely new to the State, and some are new county records. Except where otherwise noted these were found by the writer. Numbers in parentheses refer to literature cited.

PTERIDOPHYTA

1. Ophioglossum crotalophoroides Walt. the tiny Adder's Tongue Fern which had been previously reported from Nevada (4, 5) and Faulkner (8) Counties has since been found in Calhoun, Columbia, Hempstead, Little River, and Ouachita Counties.

GRAMINEAE

2. Bromus rigidus Roth was found in a good-sized colony around a refuse dump on the east side of a ridge about eight miles northwest of Conway in the southeastern corner of Conway County.

3. Eragrostis beyrichii J. G. Smith, which was previously known from only western Oklahoma, Texas, and Mexico, has been found on sandy ridges in Ouachita County near Chidester.

4. Triplasis purpurea (Walt.) Chapm., Purple Sandgrass, was also found in sand near Chidester.

AIZOACEAE

5. Trianthema portulacastrum L., Sea Purslane, was found on the river side of the Mississippi levee at Helena, Phillips County, in July 1955, by the writer and Dr. Delzie Demaree.

PORTULACACEAE

6. Claytonia caroliniana Michx., reported in the manuals only as far west as Tennessee, was found

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by the writer in company with Jesse Garrett Jorgensen, April 2, 1956, on the well-shaded north-facing cliff above the north fork of Cadron Creek, about twenty miles north of Conway in Faulkner County.

7. Claytonia virginiana f. rubusta (Somes) Palmer & Steyerm. has been found in Marion County in alluvial soil above the Buffalo River near the Arkansas Highway #14 ferry.

NYMPHACEAE

8. Cabomba caroliniana Gray, which had been reported only from Mississippi County, has been found in Union County, September 1941, and in Ouachita County in July 1953. This latter find was made by Mr. Carl Hunter who sent it in for identification.

CRUCIFERAE

9. Streptanthus maculatus Nutt. has long been on our list as occurring in several localities in the Ouachita region. Recent studies have shown that most of these should be designated as S. obtusifolius Hook. This is in addition to S. maculatus.

10. Streptanthus hyacinthoides Hook. was found in sandy soil at Bluff City, Nevada County, May 26, 1956.

11. Streptanthus squamiformis was described by Dr. George Goodman (2) from Oklahoma material, but he cited one specimen from Rich Mountain near Mena, Polk County, collected in May 1944 by Cooley.

SAXIFRAGACEAE

12. Saxifraga palmeri Bush. This species, described in 1928 (1) is now known from ten Arkansas counties. Many of the specimens previously labelled "S. texana Buckl." are probably this species.

ROSACEAE

13. Neviusia alabamensis Gray. This species, previously considered an Alabama endemic, was found in southeast Conway County, April 1955. (7)

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LEGUMINOSAE

14. Gleditsia x texana Sargent. This had previously been reported from the mouth of the Arkansas and White Rivers. It was found again in Lee County north east of Mariana in July 1955 by the writer with Delzie Demaree.

CISTACEAE

15. Helianthemum georgianum Chapm. This southeastern species was found on sandy ridges near Chidester, northwestern Ouachita County, in May, 1926.

ONAGRACEAE

16. Gaura filiformis Small, previously not on our lists, has been collected in seven east central counties by D. Demaree.

17. Jussiaea uruguayensis Camb. (J. grandiflora Michx.) was found in Saline County at the edge of the lake at Lakeside Country Club in September, 1948.

18. Oenothera heterophylla Spach. was found in large numbers on sandy ridges in Nevada County near Bluff City and in Ouachita County near Chidester, May 26, 1956.

19. Oenothera sessilis (Pennell) Munz. (9) This species described from a specimen collected near Little Rock by Dr. H. E. Haase in June 1885, is in the New York Botanical Garden herbarium with another from DeWitt, Arkansas County, collected by Demaree in May 1940. In the Gray Herbarium is one collected in Sebastian County by E. J. Palmer, May 24, 1931 with one from eastern Arkansas collected by F. L. Harvey in July 1880(?) as O. fruticosa.

CORNACEAE

20. Cornus alternifolia L.f., previously reported from only Stone County, has been found in the north end of Pope County north east of Nogo by the writer and Delzie Demaree in July 1955.

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SCROPHULARIACEAE

21. Mimulus floribundus Dougl. This curious little yellow-flowered plant had been collected over a period of 15 years from beneath limestone ledges in four northwest counties, without having been successfully identified. It is a Rocky Mountain species with its nearest known station in Colorado and New Mexico. More about this will be published elsewhere.

22. Penstemon murrayanus Hook. This was sent in for identification by Mrs. Chester Clingan from Chidester, May, 1956. It is a beautiful scarlet species from Texas, and has become well established around Chidester.

CUCURBITACEAE

23. Cucurbita (Pepo) foetidissima HBK has been seen in Washington County along the Frisco tracks on the north side of Fayetteville, and in Franklyn County in a pasture about one mile north of Ozark.

COMPOSITAE

24. Carduus leptcephalus L. has been found well established along a small creek at Yardelle, Newton County, June 1955.

25. Coreopsis drummondii (D. Don) T. & G. has become abundantly established in the sandy ridges around Bluff City, Nevada County, and Chidester, Ouachita County, May 1956.

26. Hymenopappus corymbosus T. & G. was found at Chidester, Ouachita County, in May 1956. This is similar to, but definitely different from, H. scabiosaesus L'Her, which has been reported from several other stations in western and northwestern Arkansas.

From this account of new records from the neighborhood of Chidester, Ouachita County, it is forcibly indicated that much more study of this region is badly needed.

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