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Dwight M. Moore

*University of Arkansas, Fayetteville*

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## SOME NEW RECORDS FOR THE ARKANSAS FLORA\*

DWIGHT M. MOORE

University of Arkansas

During the past few years a number of plants either entirely new to the records of Arkansas or from somewhat unexpected localities have been found. While this report is not intended as a complete enumeration of such new finds, it is an attempt to bring together a number of these for the record.

Among the Pteridophytes several new records may be mentioned.

1. *Asplenium platyneuron* f. *hortonae* (Davenp.) L. B. Smith. This was found on a mossy rock ledge with the normal species on Petit Jean Mountain, July, 1948. (DMM #480355).

2. *Ophioglossum crotalophoroides* Walt. 1½ miles south of Prescott. This is the only place in Arkansas and the most northerly station at which this tiny fern has been reported. (DMM #450039).

3. *Pilularia americana* A. Br. which was first reported from Fort Smith in 1819 by Thomas Nuttall, and rediscovered by the writer in Lake Bailey on Petit Jean Mountain in September, 1942, has since been found on Magazine Mountain at the edge of Cove Lake; at two places on Lake Wedington in Washington County, and at Lake Hamilton south of Hot Springs in 1948. (DMM #480532.)

4. *Lycopodium inundatum* var. *Bigelovii* Tuckerm. which was first reported as *Lycopodium adpressum* (Chapm.) Lloyd and Underw. for Arkansas by Dr. Flora Haas in 1934, from a small station near Bauxite, has been relocated and specimens 20 inches tall taken there. It has more recently been found south of Patmos in northern Lafayette County by Mrs. John Johnson, of Patmos.

5. *Selaginella rupestris* Spring. was reported in 1940<sup>(13)</sup> by the present writer from stations in several northern counties of Arkansas. In 1948, it was found on Red Bluff on Petit Jean Mountain which is the most southern station so far reported for Arkansas. (DMM #480367.)

The following 13 grasses which the writer has sent to the National Herbarium for checking have been named by Mrs. Agnes Chase as new for Arkansas on their records:

6. *Aira caryophyllea* L.
7. *Arundo donax* L.
8. *Brachiaria platyphylla* Hitch.
9. *Bromus racemosus* L.
10. *Cynosurus echinatus* L.
11. *Elymus interruptus* Buckl.
12. *Panicum aciculare* Desv.
13. *Panicum brachyanthum* Steud.
14. *Panicum longifolium* Torr.
15. *Panicum texanum* Buckl.

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16. *Paspalum bifidum* (Bertol.) Nash.
17. *Sporobolus contractus* Hitchc.
18. *Sporobolus neglectus* Nash.
19. *Smilax pumila* Walt. previously reported only from Columbia and Union counties was found in 1949 in Ouachita County. (This is the species which Dr. Coker<sup>(1)</sup> has said does not occur more than 28 miles from the coast.)
20. *Sisyrinchium Brownei* Small, the little yellow-flowered species was found north of Junction City in April, 1950. (DMM #500084.)
21. The strictly southern swamp orchid *Habenaria quinqueseta* (Michx.) Sw. was found on a mossy floating log in Grassy Lake in August, 1948, (DMM #480466) and again it was found on floating logs in Ferguson Lake (Lakeside Country-Club) Saline County in 1949.
22. *Asarum arifolium* Michx. (Little Brown Jugs) (DMM #500101) a close kin of Wild Ginger has been discovered at Shepherd Springs in the garden of Mrs. Isabel France who says it was found at the head of Frog Bayou. Search for the source of this plant is being continued.
23. An extension of the previously known narrow range of *Delphinium newtonianum* D. M. Moore<sup>(2)</sup> was made by its observation north of Marshall in Searcy County, June 14, 1945 (DMM #450440).
24. *Barbarea verna* (Mill.) Aschers. "Spring Cress" has been found north of Fayetteville, April, 1950 (DMM #500099). Previously only *B. vulgaris*, winter cress was known.
25. *Mimosa strigillosa* T. & G. (DMM #480637) Lake Village.
26. *Glottidium vesicarium* (Jacq.) Harper, Bladder pod, with a bad reputation as a poisonous plant has been located in Saline County near Bauxite and in Little River near Ashdown.
27. *Medicago minima* L. (Smallest Bur-clover) was found in April, 1950 on the calcareous outcrops southwest of Foreman (DMM #500032).
28. *Aeschynomene virginica* (L.) BSP. Sensitive joint vetch,—Rice fields east of Stuttgart (DMM #480663).
29. *Stuartia malachodendron* L. has been found near Camden, Ouachita County. (DMM #490162.) This beautiful shrubby plant was growing at the edge of a swamp. Its flowers are nearly white, about 3 inches in diameter, set off by numerous dark purple stamens. Small says of it, "coastal plain and adjacent provinces, Western Florida to Louisiana."
30. *Eustoma russellianum* (Hook.) Guest. A showy, beautiful, blue member of the Gentian family—flower 3 inches across. Only one specimen was found south of Gillette by David Fox of Little Rock in August, 1948 (DMM #480609). Is common in Texas.
31. *Asclepias syriaca* L. common milkweed—abundant in the northern states, but not previously reported in Arkansas, was found in Mississippi County in 1947, in Carroll County in 1948, and in S.E. Washington County in 1950.
32. *Hydrophyllum macrophyllum* Nutt. Newton County (DMM #480109).

33. *Cynoglossum amabile* Stapf. & Drummond. widely distributed in S.W. part of State, Hot Springs, Albert Pike and east of Texarkana.
34. *Verbena tenera* Spreng. escaped along highway north of Junction City, Union County, and east of Dodridge, southern Miller County.
35. *Asperula odorata* L. Southern part of state, 1949.

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3. ———, 1940, *Selaginella rupestris* (L.) Spring in Arkansas. *Amer. Fern Jour.* Vol. 30, No. 2, pp. 50-52.