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Additional Records and Updates on the Arkansas Flora

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- DALY, J. J., H. E. FARRIS and H. M. MATTHEWS. 1976. Pseudoparasitism of dogs and cats by the land planarian, *Bipalium kewense*. VM/SAC 71:1540-1542.
- DALY, J. J., H. M. MATTHEWS and H. E. FARRIS. 1977. Evidence against gastrointestinal pseudoparasitism by the land planarian, *Bipalium kewense* Mosely 1878. Health Lab. Sci. 14:39-43.
- DINDAL, D. L. 1970. Feeding behavior of a terrestrial turbellarian *Bipalium adventitium*. Amer. Midl. Nat. 83:635-637.
- DUNDEE, D. S. and H. A. DUNDEE. 1963. Observations on the land planarian *Bipalium kewense* Mosely in the Gulf Coast. System. Zool. 12:36-37.
- HYMAN, L. H. 1943. Endemic and exotic land planarians in the United States with a discussion of necessary changes of names in the Rhynchodemidae. Amer. Mus. Nov. No. 1241, 12 pp.
- HYMAN, L. H. 1951. The Invertebrates: Platyhelminthes and Rhynchocoela. The acelomate Bilateria. Vol. II. McGraw-Hill, New York, 550 pp.
- JAMES J. DALY, Department of Microbiology and Immunology, University of Arkansas for Medical Sciences, Little Rock, Arkansas 72205 and JULIAN T. DARLINGTON, Department of Biology, Southwestern at Memphis, Memphis, Tennessee 38112.
- HYMAN, L. H. 1954. Some land planarians of the United States and Europe, with remarks on nomenclature. Amer. Mus. Nov. No. 1667, 21 pp.
- KLOTS, A. B. 1960. A terrestrial flatworm well established in the northeastern United States. Syst. Zool. 9:33-34.
- OGREN, R. E. 1955. Ecological observations on the occurrence of *Rhynchodemus*, a terrestrial turbellarian. Trans. Amer. Microscop. Soc. 74:54-60.
- OLEWINE, D. A. 1972. Further observations in Georgia on the land planarians, *Bipalium kewense* and *Geoplana vaga* (Turbellaria; Tricladida; Terricola). ASB Bull. 19:88.
- WALLEN, I. E. 1954. A land planarian in Oklahoma. Trans. Amer. Microscop. Soc. 73:193.

ADDITIONAL RECORDS AND UPDATES ON THE ARKANSAS FLORA

During 1979 and 1980 the Arkansas Natural Heritage Inventory Program conducted field surveys to assess vascular plant rarity in the state. Five taxa were discovered new to the flora of Arkansas:

Psoalea digitata T. & G. var. *digitata*. MILLER COUNTY; scattered in a sandy churchyard northwest of Doddridge about 4.0 Km north of Hwy. 160 and Hwy. 237 junction. Davis and Kral 2689, 25 June 1980. Shinners (Field and Laboratory 19:14-25, 1951) cites a Nuttall voucher of this taxon from "sandhills of the Red River, Arkansas Territory." Since it is impossible that this voucher was collected in either Oklahoma or Arkansas, it should be treated as a new record in Arkansas.

Tradescantia reverchonii Bush. MILLER COUNTY; sparse on very sandy soils northwest of Doddridge about 1.1 Km south of the junction of Hwy. 237 and Hwy. 134, T18S R28W, Sec. 17, E 1/2 NW 1/4. Davis and Tucker 2580, 17 June 1980.

Aletris aurea Walt. MILLER COUNTY; local in a moist, mowed pine-barren about 2.4 Km north of Fouke on west side of Hwy. 71, T17S R27W, Sec. 9, SW 1/4 NW 1/4. Davis and Tucker 2547.

Xyris baldwiniana R. & S. CALHOUN COUNTY; small remnant of savannah in railroad and gravel road rights-of-way, 2.1 Km north of Hwy. 172 along road paralleling railroad east of Hwy. 67. Davis and Roberts 2606.

Rhynchospora rariflora (Michx.) Ell. CALHOUN COUNTY; same location as above cited *Xyris*. Roberts and Davis 1500.

The *Rhynchospora rariflora* voucher is deposited in Vanderbilt University and the remaining vouchers are filed in Arkansas Tech University.

Four species which had previously been reported to Arkansas were confirmed with vouchers. Demaree (Taxodium 1:1-88, 1943) reported *Rhynchospora cephalantha* Gray, but the location of the voucher was unknown until located in February, 1980 at Vanderbilt University. This voucher is annotated by Robert Kral. *Carex latebracteata* Waterfall has been vouchered from Polk, Garland and Howard counties, and specimens are deposited in Vanderbilt University Herbarium (Davis and Tucker 2124; Davis, Pell and Smith 2146; Davis and Shepherd 2159). *Anthraenantia rufa* (Ell.) Schult. was confirmed from both Bradley and Drew counties (Davis and Pell 1896; Davis and Shepherd 2820b). This species was reported without voucher by Moore (Proc. Ark. Acad. Sci. 15:9-25, 1961). After having been considered extirpated, five stems of *Cypripedium reginae* Walter were discovered in Stone County (Davis and Foster 2414). The previous two species are deposited in Arkansas Tech University Herbarium.

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OBSERVATIONS ON THE OCCURRENCE OF CHALKY DEPOSITS ON FOREWINGS OF *ONCOMETOPIA ORBONA* (F.) (HOMOPTERA: CICADELLIDAE)

Many homopterans produce a chalky or waxy, white material. Metcalfe (1969) mentioned that the most distinctive feature of the nymphs of the delphacid *Saccharosydne saccharivora* (Westw.) was the white wax rods formed on the head, tail, and lateral abdomen. He added that among adults the white wax was present only on females.