

## Notes on Oklahoma Plants

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The following items, deposited in the Bebb Herbarium, are thought to be either new records for Oklahoma, in which case they are indicated by an asterisk, or are otherwise noteworthy. Two of the species, the *Setaria* and the *Arenaria*, it will be noticed, are known in Oklahoma only from the Arbuckle Mountains. In addition, they occur elsewhere in southwest Texas, adjoining Mexico, and sometimes westward. These two, then, add to the significant list of Arbuckle Mountain plants with this characteristic distribution.

\**Aristida desmantha* Trin. Sandy soil, on "Island No. 2," near the University of Oklahoma Biological Station, Lake Texoma, Marshall Co., Aug. 16, 1950, E. Basler. This species has been known heretofore from Illinois (one collection from Mason Co.), Nebraska, and eastern Texas.

\**Setaria Grisebachii* Fourn. Hillside ravines, Cowpen Canyon, Arbuckle Mts., Murray Co., Oct. 14, 1950, Goodman 5421, and (with essentially same data) Sept. 17, 1943, Mr. Rogers 319. Known previously from southwest Texas to Arizona and south into Mexico.

\**Tridens muticus* (Torr.) Nash. East slope of Black Mesa, Cimarron Co., Aug. 19, 1951, G. J. Goodman and Ralph Kelting 5371. This collection extends the known range of the plant slightly northeastward.

\**Arenaria Benthamii* Fenzl. Near Cowpen Creek, Franks Conglomerate, Arbuckle Mt., Murray Co., June 14, 1941, M. Hopkins 5941; Colbert porphyry, moist soil near Honey Creek, Murray Co., Mar. 29, 1942, Edw. E. Dale 162. Known previously from southwest Texas.

\**Oenothera canescens* Torr. & Frem. Roadside playa, a few miles west of Forgan, Beaver Co., June 4, 1950, Goodman 5282. The plants were in full flower at this date. Waterfall (4) has commented on the extreme likelihood of this species occurring in the state.

\**Amsonia ciliata* Walt. var. *filifolia* Wood. In the Bebb Herbarium there are four Oklahoma collections of this plant of the southeastern United States. All are from McCurtain Co.

\**Onosmodium subsetosum* Mack. & Bush. Woody glade near Garvin, McCurtain Co., May 16, 1937, Demaree 12626. Known heretofore from Missouri and Arkansas.

*Pentstemon caudatus* Heller. Sandy soil on top of hills, beneath *Pinus ponderosa*; Tesequite Canyon, Cimarron Co., May 15, 1948, Goodman & Waterfall 4851. Pennell (3) cites three Stevens collections from Oklahoma, one from each of the Panhandle counties. The Goodman & Waterfall collection is the only one in the Bebb Herbarium.

\**Pentstemon strictus* Benth. Black Mesa, Cimarron Co., July 30, 1939, Paul F. Smith. The previously recorded range for this species is Wyoming and Utah east to Colorado and New Mexico.

\**Valerianella ozarkana* Dyal. Wooded hillside, near state highway 10, northwest corner of Adair Co., May 1, 1948, Goodman & Waterfall 4730. This species, described by Miss Dyal (1) in 1938, has been known heretofore from Missouri and Arkansas.

\**Xanthium cenchroides* Millsp. & Sherff. Thicket near Canadian River, 3 mi. south of Norman, Cleveland Co., Sept. 21, 1939, M. Hopkins 4351. The only other record that I know of this species is the type, collected by Reverchon, near Ferris, Ellis Co., Texas, just south of Dallas, as cited by Millspaugh and Sherff (2).

## LITERATURE CITED

1. DYAL, S. C. 1938. *Valerianella* in North America. *Rhod.* 40: 185-212.
  2. MILLSPAUGH, C. F. and SHREVEY, E. E. 1919. Revision of the North American species of *Xanthium*. Field Museum of Natural History Publ. Bot. Ser. 4: 9-51.
  3. PENNELL, F. W. 1935. *Scrophulariaceae of eastern temperate North America*. Acad. Nat. Sci. Phila. Monogr. No. 1: p. 267.
  4. WATERFALL, U. T. 1950. Some results of a third summer's botanizing in Oklahoma. *Rhod.* 52: p. 170.
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