

NOTES ON OKLAHOMA PLANTS

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The following two names should be removed from the list of Jeffs and Little (1930) for reasons given.

Helianthemum majus. This species, now known as *H. bicknellii*, has a range, according to the manuals, which may well include Oklahoma. However, the evidence which we find for the occurrence of the name on the list is a specimen in the Bebb Herbarium marked "state record," and collected a score of years ago in the west end of the Panhandle. The specimen proves to be *Linum rigidum*.

Nama hispidum var. *tenue*. According to the study of the genus *Nama* by Hitchcock (1933), the variety is to be considered a synonym of *N. hispidum*.

The following are either newly reported (indicated by asterisks) for Oklahoma or otherwise noteworthy. Specimens of these phytocentiles are to be found in the Bebb Herbarium, with the exception of two so indicated.

Cinna arundinacea L. Featherly (1946) gives the range in Oklahoma for this grass as "eastern part of the state." In the Bebb Herbarium there was but one sheet, this from Muskogee County. Last fall it was found in fair abundance in a forest near the Canadian River in Cleveland County.

**Cyperus rivularis* Kunth. In swampy seepage near pond in pasture, 2.5 miles south of Harrah, Oklahoma County, July 26 and Aug 25, 1941; Waterfall 3097 and 3533. The usual manual treatments include Kansas and Arkansas in the range of this species. Prof. Hugh O'Neill writes that there are two Oklahoma sheets of *C. rivularis* in the Gray Herbarium.

**Comandra richardsoniana* Fernald. Muskogee County, April 10, 1927; Little 1469. That this specimen is not of the widely (in Oklahoma) distributed *C. pallida* was just noticed. This record constitutes a slightly southward extension of the known range of this northern species.

**Geranium molle* L. Edge of field near Heart o'Hills Camp near Tahlequah, Cherokee County, May 3, 1947; Nelsons, Goodman, and Waterfall 5751. A European introduction.

**Bergia texana* (Hook.) Seub. Prairie pondside, 4 miles west and 2 north of Edmond, Oklahoma County, June 28, 1940; Waterfall 2222 (Waterfall Herbarium). Shores of small lake in Buffalo Pasture, Wichita Mountains, Comanche County, Oct. 26, 1947; Goodman and Waterfall 4525.

**Cornus florida* L. forma *rubra* (Weston) Palmer and Steyermark. The pink-flowered phase is represented in the Bebb Herbarium by Nelsons, Goodman, and Waterfall 5718 from Mayes County, May 4, 1947.

Nama stevensii Hitchcock, *N. compactum* of Jeffs and Little's list. As pointed out by Hitchcock (1933), the check-list name is a *nomen nudum*. Six collections, made by Stevens and by White, are cited from Oklahoma by Hitchcock. Up to this year there were but three collections in the Bebb Herbarium, all made by Mr. Waterfall. Three more collections were made by the authors last spring, the plants occurring in great abundance in the gypsum soils which characteristically cap the red buttes of such places as Roman Nose State Park and the Glass Mountains.

Orobanche fasciculata Nutt. var. *subulata* Goodman. Two more collections of this variety have been made since it was reported (Goodman 1947) last year. One (Goodman and Waterfall 4162) is a topotype (Blaine County), May 17, 1947; the other (Nelsons, Goodman, and Waterfall, 5684) is from the top of limestone hills 6 miles southwest of Ardmore, Carter County, April 27, 1947.

Houstonia humifusa (Gray) Gray. This species, previously reported for Oklahoma by Goodman (1936) and Stemen and Myers (1937), is mentioned here for two reasons. Inasmuch as Gray (1850) first described the plant in *Hedyotis* and later transferred it to *Houstonia*, the above author citation is correct. More importantly, three more Oklahoma collections have been examined since 1936, so the plant is now known from Beckham, Cotton, Ellis, and Greer Counties. Stemen and Myers' statements that the plant is "4 to 8 inches" tall and also occurs in "Cherokee county" are not well understood.

**Lygodesmia rostrata* Gray. Sand dunes south of Waynoka, Woods County, Oct. 12, 1947; Goodman and Waterfall 4518. Kansas is as far south as we find this plains plant previously reported.

**Pectis angustifolia* Torr. Cimarron County, July 30, 1936; Demaree 13381. The Panhandle falls in the previously reported general range of this western plant.

Pertcome glandulosa Goodman. This species, known heretofore only by the type collection, made in Cimarron County, is now represented by the following two: Waterfall 7458—in arroyos, northwest slopes of Black Mesa, 4 mi. north of Kenton, Cimarron county, July 9, 1947; Waterfall 3177—volcanic bank near Folsom, Union County, New Mexico, Aug. 6, 1941.

These additional collections indicate the leaves to be larger than stated in the original description. However they still are smaller than in the related *P. caudata*. The abundant pubescence and glands and the shorter caudal appendages on the leaves still constitute obvious taxonomic characters.

**Serinia gracilis* (DC.) Kuntze. Along Highway 77, about 4 miles north of Ardmore, Carter County, April 27, 1947; Nelsons, Goodman, and Waterfall 5678. Reported previously from Texas.

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