

## The Genus *Orobanche* in Oklahoma

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For years but two species (the first and last of our list) of this parasitic genus were known from Oklahoma. Now four are known, and when the distribution of the other species occurring in North America is considered, it is unlikely that more will be found in the state. However, further collecting will add greatly to our knowledge of the distribution of the genus in Oklahoma, because collections of the genus are still few. It will be noticed in the following account that six counties is the most from which any species is known.

### KEY TO THE SPECIES

Inflorescence spikelike, flowers sessile or short pedicellate.

Upper lobes of corolla triangular, pointed.....1. *O. ludoviciana*

Upper lobes of corolla rounded .....2. *O. multiflora*

Inflorescence not spikelike, the flowers on pedicels  
2 cm. or more long.

Flowers several, the pedicels less than twice as  
long as the caudex .....3. *O. fasciculata*  
var. *subulata*

Flowers few to 1, on long pedicels at least twice  
as long as the caudex .....4. *O. uniflora*

1. *Orobanche ludoviciana* Nutt. Primarily a plant of the plains, from Canada to Texas. In the Bebb Herbarium of the University of Oklahoma it is represented from the following counties: Cleveland, Caddo, Muskogee, and Woods. Stemen and Myers (3) list Oklahoma and Canadian counties.

2. *Orobanche multiflora* Nutt. A southwestern species, known from western Oklahoma and, according to Munz (2), western Texas, New Mexico and Mexico. We have it from the following counties: Cimarron, Custer, Jackson, and Roger Mills.

3. *Orobanche fasciculata* Nutt. var. *subulata* Goodman. The type locality of this variety is Blaine county from whence we have three collections, as well as one from Carter county. A specimen from Payne County is in the herbarium of the Oklahoma A. & M. College.

4. *Orobanche uniflora* L. This woodland plant, primarily of the eastern United States is represented in the Bebb Herbarium by one collection from Cherokee county and two from the Arbuckle Mts. in Murray county. In the herbarium at the Oklahoma A. & M. College are three recent collections of Prof. Waterfall from Cherokee, Choctaw and McCurtain counties. In addition, one collection is cited from LeFlore county in Miss Achey's (1) revision, and Stemen and Myers (3) list Latimer county.

### LITERATURE CITED

1. ACHEY, D. M. 1933. A revision of the section *Gymnocaulis* of the genus *Orobanche*. Bull. Torrey Botan. Club 60: 441-451.
2. MUNZ, P. A. 1931. The North American species of *Orobanche*, section *Myzorrhiza*. Bull. Torrey Botan. Club 57: 611-624.
3. STEMEN, T. R. AND W. S. MYERS. 1937. Oklahoma flora. Oklahoma City: Harlow Publishing Corp.