

Mentzelia tricuspis var. **brevicornuta** var. nov.

Lobis lateralibus antherarum oblongis, rotundatis, minus 0.5 mm. latis.

Type.—Barstow, San Bernardino County, California, May 14, 1903, K. Brandegee. Sheet no. 108381 in Herb. Univ. Calif.

The species is unique in the section Bicuspidaria because of its pedicellate flowers and petiolate leaves and bracts. It ranges from Utah and Arizona into the eastern part of the Mohave Desert in California. The variety *brevicornuta* is the form which the species assumes near its western limit in the vicinity of Barstow. In typical *tricuspis* the lobes of the filaments are linear and 2 mm. long at least; but in the new variety the lobes are short oblong and only about 0.5 mm. long. *Mentzelia tricuspis* has been frequently misidentified as *M. reflexa* Cov., no doubt because its fruits are reflexed and appear much as those illustrated in Coville's (Contr. U. S. Nat. Herb., 4:108, t. 9. 1893) plate of *reflexa*. *Mentzelia reflexa* is not even closely related to *M. tricuspis* and can be recognized by its smaller corollas and unlobed filaments.

The species and varieties of *Mentzelia* which make up the section Bicuspidaria may be distinguished by the following key.

- Flowers pedicellate; upper leaves and floral bracts petiolate
 Lateral lobes of anthers linear, acute, 2 mm. long or more.....**M. tricuspis**
 Lateral lobes of anthers oblong, rounded, about 0.5 mm. long.....
M. t. brevicornuta
- Flowers, upper leaves, and floral bracts sessile
 Floral bracts white and scarious, with green midrib and margin
 Petals small, 1.5–2.5 mm. long.....**M. involucrata**
 Petals large, 3.5–4.5 mm. long.....**M. i. megalantha**
- Floral bracts green, not at all scarious
 Middle lobe of anthers equalling or shorter than lateral ones
 Corolla pale yellow; leaves 7–12 mm. wide, thickish, deeply lobed.....
M. hirsutissima
 Corolla orange-yellow, leaves 10–20 mm. wide, thinner, coarsely toothed
M. h. nesiotis
 Middle lobe of anthers twice the length of lateral ones....**M. h. stenophylla**

Cryptantha inaequata sp. nov.

3–4 dm. alta, caulibus ramis laxè ramosis; foliis planis, lineari-oblongatis, 2–4 cm. longis; inflorescentia laxè racemosa, 4–12 cm. longa; calyce fructifero 2.5–3.0 mm. longo, lobo abaxillari maximo hispidoque; pedicellis brevibus denum 0.1 mm. longis; nuculis 4, heteromorphis, subtrigono-ovatis, acute marginatis; nuce larga quam gynobasi longiore, 1.7 mm. longa, sulco supra medium clauso inferne dilatato areolam triangulam formante.