

long and reflexed: fruit about 4 mm. in diameter: nutlets surrounded by a single row of subulate glochinate prickles, somewhat flattened at the base but not united into a wing-border: back of the nutlets strongly muricate.

It is nearest related to *L. occidentalis* (Wats.) Greene, but differs in the oblong obtuse leaves, the enlarged and reflexed fruiting calyx-lobes, and the virgate branches. It grows in deserted fields at an altitude of about 2000 m.

COLORADO: Walsenburg, 1900, *Rydberg & Vreeland*, 5715.

✓ ***Lappula cupulata*** (A. Gray)

Echinospermum Redowskii var. *cupulata* A. Gray, Bot. Calif. 1: 530. 1876.

I think that this should be regarded as distinct from *L. Texana* (Scheele) Britton, as the habit is quite different. *L. cupulata* is diffuse, branching at the base, with elongated branches, while *L. Texana* is simple at the base, and branched above with short branches.

L. Texana is a southern plant, ranging from Texas to New Mexico. The range of *L. cupulata* is from Nevada to Nebraska, south to Colorado.

✓ ***Cryptanthe minima*** sp. nov.

A dwarf hirsute annual, beginning to bloom when only 1 cm. high. Stems several, erect, in the specimens seen only 1-4 cm. high, long hirsute: leaves spatulate or oblanceolate obtuse, hirsute on both sides, 5-15 mm. long and 2-3 mm. wide: flowers crowded, 2.5-3 mm. long, subsessile: lobes of the calyx linear, hispid: corolla white; limb a little over 1 mm. broad; nutlets whitish, about 1 mm. long, dissimilar; 3 ovoid, strongly muricate; the fourth somewhat larger, smooth; the inside edge with a slender groove, triangular-dilated at the base.

In size and general habit, this species is strikingly like *C. pusilla*; but the fruit is different; the nutlets being dissimilar, one of them smooth, and all with rounded lateral angles and more rounded backs. The specimens of our collection are rather young and only two fully developed fruits were found. *C. minima* was found on dry hillsides at an altitude of about 2200 m.

COLORADO: Cucharas River, above La Veta, 1900, *Rydberg & Vreeland*, 5697.