

apparently type collection (UC), *Parish*, Oct. 22, 1891 (Po); Santa Ana River, *Munz* 6333 (Po, UC), *Munz* 6334 (Po, UC); Little Bear (Arrowhead Lake) *Wilder* 390 (Po); Arrowhead Grade, *Canby* in 1925 (Po); City Creek, *Jones* in 1925 (Po); Black Oaks in City Creek, *Jones* in 1925 (Po); Strawberry Flats, *Canby* in 1925 (Po); Bluff Lake, *Williams* in 1902, (UC); Deep Creek, *Johnston* in 1924, (Po); No. Fork Deep Creek, *Johnston* 2913 (Po); Fish Camp, *Johnston* in 1924, (Po); Bear Lake, *Jones* in 1925 (Po); Bear Valley, *Jones* in 1906 (Po); Fredalba, *Johnston* in 1924 (Po).

The two following collections from lower altitudes suggest variety *bernardina* and may be considered as intergrade between *sessilis* and *bernardina*: (1) City Creek at 1800 ft. altitude, *Johnston* in 1924 (Po), with stems, leaves and woolly involucre suggesting *sessilis* and small heads and leafy bracted peduncles suggesting *bernardina*; (2) Arrowhead Hot Springs, *Johnston* in 1924 (Po), suggesting *sessilis* in tomentum on involucre and *bernardina* in general appearance and habit.

11. *Corethrogyne flaginifolia* var. *latifolia* Hall, UC. Pub. Bot. 3:70. 1907. Davidson and Moxley, Fl. So. Calif., 383. 1923. Not of Jepson, Man. Calif., 1042. 1925.

Stems suffrutescent, stout, "5 dm. or more high," tomentose throughout, even on involucre; "lower leaves narrowed to base principal cauline leaves broadly oblong or slightly narrowed to the closely sessile base, shallowly toothed at the very obtuse summit," 1-4 cm. long, 0.5-1 cm. wide; inflorescence paniculate with few heads; involucre turbinate, 7-8 mm. high; bracts with slightly spreading tips; rays conspicuous, 10 mm. long.

Material studied: Ventura Co.; Oxnard, *Davy*, 7813 (UC). *Davy* 7814, (UC). Los Angeles Co.: "Los Angeles," *Nevin* in 1880 (G).

This coastal variety can be distinguished from our other Southern California forms with woolly involucre by its broad oblong leaves and northern coastal distribution. An off season specimen, "Los Angeles," *Gray* in 1885 (G) taken between February and May seems to belong here on basis of leaf shape but the involucre is only partially tomentose.

BOTANICAL FIELD NOTES

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Arenaria californica Brewer. Hills near Tehachapi. *Kessler*.

Sedum pumilum Benth. Abundant on the hills near Keen. *Kessler*.

Draba subsessile Wats. Mountains on S. fork of Bishop Creek, Inyo Co. *Kessler*. Previously collected in the White Mts. and on Mt. Whitney. Identified by Prof. E. B. Payson.

Ivesia Chandleri Rydb. Thomson Mts., Bishop Creek. *Kessler*. Only other known locality Mt. Goddard. Identified by Mr. Rydberg.

Vaccinium ovatum Pursh. San Marcus Pass. *Payne*.

Loiseluria flaviflora Davidson. Colorado Desert. *Mrs. S. Hutchinson*.

Oxthea luteola Parry. Not uncommon around the dry lakes near Muroc. Hitherto only known from Lancaster.

Orobanche Ludoviciana. Nutt. Mt. Islip. *Burlew*.

Prunella vulgaris lanceolata Fernald. Mt. Islip. *Burlew*.

Zygophyllum Fabago Var. *brachycarpa* Bois. A native of N. Africa growing freely in an irrigation ditch along with *Centaurea repens* L at a ranch a few miles east of Rosamund. A new introduction in this country.