

19. *C. saxorum* Jepson sp. n. Stem widely branching from the base, $1\frac{1}{2}$ to $2\frac{1}{2}$ inches high, forming small plants 2 to 4 inches broad; herbage spreading-hispid, the hairs of the leaves pustulate-dilated at base; leaves lanceolate, sessile, 4 to 12 lines long; spikes short and dense (4 to 9 lines long), conspicuously bracteate; calyx short-bristly, densely tufted with white hairs at base; corolla $\frac{1}{2}$ line wide; nutlets 4, equal, ovate, light brown, thinly papillate both sides, the marginal wing very narrow or lineate; dorsal side of nutlets low-rounded, the ventral side low but convexly 2-planed; ventral groove closed, with forked areola at base; style $\frac{1}{4}$ longer than nutlets.—(Planta pygmaea, $1\frac{1}{2}$ – $2\frac{1}{2}$ unc. alta, 2–4 unc. lata, e basi late diffusa; herba patenti-hispida, foliorum pilis basi pustulato-dilatatis; folia lanceolata sessilia, 4–12 lin. longa; racemi breves (4–9 lin.), densi, valde bracteati; calyx setis brevibus praeditus, basi pilis albis dense caespitosus; corolla $\frac{1}{4}$ lin. lata; nuculae 4, aequae, ovatae, pallido-fulvae, utrimque sparsopapillatae, ala marginali perangusta vel lineata; dorsum nuculae depresso-rotundatum, venter depressus tamen convexo-biplanus; sulcus ventralis ocellus, basi areola furcata; stylus $\frac{1}{4}$ longior nuculis.)

Lava hills, 3000 feet: near Tiefert Mt., eastern Mohave Desert. Apr.

Ref.—*CRYPTANTHA SAXORUM* Jepson; type loc. lava hill 1 mile sw. of Bicycle Lake, near Tiefert Mt., Mohave Desert, *Jepson 29,350* (typ. in Herbario Jepsoniano).

20. *C. inaequata* Jtn. Stem erect, branching from the base or above, 5 to 12 inches high; herbage spreading-bristly, the bristles pustulate-dilated at base; leaf-blades narrowly linear or linear-oblancoate, very dark green, $\frac{3}{2}$ to $1\frac{1}{2}$ inches long; spikes soon somewhat loose, $\frac{1}{4}$ to $1\frac{1}{2}$ inches long; calyx-lobes linear-filiform, short-villous and sparsely long-bristly; corolla $\frac{1}{2}$ to $1\frac{1}{2}$ lines broad; nutlets 4, ovate (the apex obtusish), 1 large and not evidently margined, 3 slightly smaller and with a narrow whitish margin, conspicuously sprinkled on back with whitish papillae on a brown ground, the ventral side convexly 2-planed, the ventral suture opening downward into an open forked areola; style $\frac{3}{4}$ longer than nutlets.

Rich soil pockets in cañon bottoms of rocky desert ranges or lava flats, 200 to 4000 feet: eastern Mohave Desert; eastern Inyo Co. East to Nevada. Apr.

Geog. note.—*Cryptantha inaequata* represents a case of an adequate but long unrecognized species which masqueraded, so to speak, in the shadow of *C. holoptera*. Its nutlets, too, save for the lineate margin, resemble closely the smaller nutlets of the four in *Cryptantha angustifolia*. *Cryptantha inaequata* has, however, the advantage of differentiating characters other than those of the nutlet. That it escaped critical notice previous to 1922 is due, doubtless in part, to its rarity. Even to this time few collections have been made.—Eastern Mohave Desert: Lavin, *Jepson 15,454*; Baxter, *Fairish 19559*. Inyo Co.: Argus Range (n. end), *Jepson 19,551*; Furnace Creek wash, Funeral Mts., *Jepson 6956*.

Refs.—*CRYPTANTHA INAEQUATA* Jtn., Univ. Cal. Publ. Bot. 7:444 (1922), type loc. Pleasant Cañon, Panamint Range, Inyo Co., *Hall & Chandler 6925*. *Johansonella inaequata* Brand; Fedde, *Repert. Sp. Nov.* 21:250 (1925).

21. *C. holoptera* Mebr. Stem erect, branching, $\frac{1}{2}$ to $1\frac{1}{2}$ feet high; herbage grayish, the leaves and stems spreading-bristly, the stems also appressed-hispid; leaf-blades oblong to linear or lanceolate, $\frac{1}{2}$ to $1\frac{1}{2}$ inches long, thickly white-dotted with pustules at the base of the bristles; spikes with minute scattered bracts, openly paniculate, $\frac{1}{2}$ to $1\frac{1}{2}$ inches long, the flowers at length discrete; calyx-lobes lanceolate, $\frac{3}{4}$ (in fruit $1\frac{1}{4}$) lines long, thickly set with short ascending bristles; corolla $1\frac{1}{4}$ lines wide; nutlets 4, equal, truncate at base, $\frac{3}{4}$ line long, white-papillate upon a brownish ground and wing-margined, the wing entire and slightly turned outward, same color as body and $\frac{1}{4}$ to $\frac{1}{2}$ as wide as the body; dorsal side of the nutlets a little flattish, the ventral side convexly 2-planed, the ventral groove widened downward from about the middle.

Gravelly or rocky ground, 50 to 3500 feet: eastern Mohave Desert; Colorado Desert. East to ARIZONA. Apr.

Locs.—Mohave Desert: The Caves, Mohave River sink, *Fairish 9855*. Colorado Desert: Four-S Ranch, 25 mi. ne. of Ogilby, *Munz & Hitchcock 12,173*; Painted Cañon, Mecca Hills, *Jepson 11,678*; Split Mt. (near Fish Mt.), *T. Brandegee*; Calexico, *Davy 8007*.