

6. *Opuntia basilaris* Engelm. & Bigel. Proc. Am. Acad. 3: 298. 1856.

Colorado and Mohave Deserts and surrounding mountains from California to Utah, south to Sonora. Local habitat, widely scattered in the Larrea Belt below 2000 meters. Clark Canyon, *Clokey & Anderson 7201*; southeast Indian Springs, *Train 1759*; Kyle Canyon, *Clokey 7205, 8032*; Trout Creek Canyon, *Clokey & Anderson 7206*. May.

7. *Opuntia charlestonensis* Clokey sp. nov. Humilis, patens ad 0.5 m. alta, 1.5 m. lata, ramis primo adscendentibus demum prostratis, tum geniculis 2-3 junioribus tantum suberectis; geniculis apicalibus vel lateralibus, ovalibus vel obovatis, saepius apice rotundatis, 10-18 cm. longis, 10-12 cm. latis, viridi-lutescentibus, primo vere rubentibus; areolis rotundatis vel ovatis, 5-6 mm. latis, 2-2.5 cm. distantibus; glochidiis 3-4 mm. longis, pallide brunneis in areolae apice; aculeis 4-6 acicularibus longitudine ludentibus, longissimis ad 4.5 cm., subcomplanatis tortisque, undique vertentibus, albidis vel albidis basi pallide brunneis; floribus primo laete luteis demum conferte roseis rubro-suffusis, 4-6 cm. longis, ca. 4 cm. latis; perianthii laciniis externis ovatis, acutis, mucronatis, internis ovatis, apice rotundatis saepius mucronatis; staminibus luteis; stylo cum stigmatibus luteis vel rubescentibus; fructu ellipsoideo 3-3.5 cm. longo, 1.5-2 cm. crasso, sordide purpurascete, cortice externo pulpaque viridibus; seminibus appianatis, 4-5 mm. diametentibus.

A low spreading plant up to 0.5 m. high, 1.5 m. wide, the main branches at first ascending, later prostrate with only the younger two to three joints ascending; joints arising from the faces as well as from the edges of older joints, oval or obovate, mostly rounded at tip, 10-18 cm. long, 10-12 cm. wide, yellowish-green, in the spring purplish; areoles circular or oval, 5-6 mm. across, 2-2.5 cm. apart; glochids in the upper part of the areoles, 3-4 mm. long, light brown; spines four to six, acicular, varying in length, the longest up to 4.5 cm. long, somewhat flattened and twisted, spreading in all directions, white or white with light brown base; flowers clear yellow at first, turning salmon tinged with red, 4-6 cm. long, about 4 cm. wide; outer perianth-segments ovate, acute, mucronate; inner segments ovate, rounded at tip, usually mucronate; stamens yellow; style and stigmas yellow or reddish tinged; fruit oval, 3-3.5 cm. long, 1.5-2 cm. thick, dull reddish-purple, with green rind and pulp; seeds flat, 4-5 mm. in diameter.