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The description was drawn in July, 1913, from specimens grown under cultivation, the descriptions made in the field having been lost. The type bears my collection No. 9747, and was collected in the region of Oaxaca, Mexico, in August, 1909.

***Opuntia sanguinocula* sp. nov.**

A low, hemispherical, or usually more flattened shrub, 25 to 40 cm. high, and spreading 1 meter or more, main arms resting on ground on edge or ascending and secondary ones erect from them; joints broadly to narrowly obovate and sometimes nearly subcircular, some of last year's 9 by 25 cm., others 8 by 10 cm., mature growth of this year 6 by 8 to 8 by 12 cm., slightly glaucous, gray-green, slightly raised at areoles for a couple of years; areoles obovate, brown, 2 mm. long, enlarging to subcircular, and 3 to 4 mm. in diameter in age; leaves comparatively large, 12 mm. in length, subulate, cuspidate; spicules brown, turning dirty yellow, in a compact tuft in center of areole, completely surrounded by a zone of wool, 2 mm. long, in age filling the areole entirely and becoming 3 to 4 mm. in length; spines white, 1 to 3, mostly 1 or 2, confined to upper and marginal areoles of the joint, erect, diverging or in age, the second especially sloping down, 15 to 25 mm. long, slightly flattened, twisted, with bone-like tips; flowers lemon yellow with bright deep red glossy centers, filaments yellow distally and greenish, proximally, stigma white, 6-parted, 6 to 7 cm. in diameter when fully opened; fruit light pinkish red, and at this place often persisting to second year and bleaching again to greenish yellow, always greenish within.

The type is preserved under my inventory No. 9359, and was grown from plants secured near Taylor, Texas, in July, 1908. The description was drawn from cultivated plants at Chico, California, July, 1913.

***Opuntia riparia* sp. nov.**

An erect, hemispherical, open branched shrub, 150 to 175 cm. high, and having a spread of 2 or more m.; joints long, obovate, sharply to broadly rounded above, glaucous, about 15 by 23 cm.; areoles large, obovate on sides but subcircular on edges of joints and often 8 mm. in diameter, brown, not raised; spicules 1 cm. long, in a spreading unequal tuft on edges and shorter on sides of joints, light brown; spines white, often but not always colored at very base, 2 to 3 cm. long, very stout, flattened, twisted, 2 to 3 on sides and 3 to 6 on edges of joints, the upper central erect, the others spreading or sloping downward; flowers yellow, deeper yellow within, filaments orange, style white, stigma very large, deep green, 10 to 11 parted, 10 cm. in diameter when fully opened; fruit red with purplish tinge.

Frequent along upper foothills' courses of dry washes in the Santa Rita Mountains, Arizona. Collected April, 1908, and grown in cultivation since that date.