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**The Cactaceae : descriptions and illustrations of plants of the cactus family /
by N.L. Britton and J.N. Rose.**

Washington :Carnegie Institution of Washington,1919-1923.

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Illustrations: Curtis's Bot. Mag. 108: pl. 6652; Pac. R. Rep. 4: pl. 16.
Figure 64 is copied from the second illustration above cited.

14. *Opuntia viridiflora* sp. nov.

A low, round, bushy plant 30 to 60 cm. high; terminal joints 5 to 7 cm. long, 1.5 to 2 cm. thick, often quite fragile; areoles prominent, flattened from the sides; areoles circular, filled with short, yellow or dull-gray wool; spines 5 to 7, somewhat spreading, the longest ones 2 cm. long, dark brown in color; glochids numerous, very short, yellow; flowers at tips of branches in clusters of 3 to 8, 3.5 to 4.5 cm. long (including ovary), "green, tinged with red"; fruit strongly tuberculate, except for a few long, deciduous bristles, with a deep umbilicus; seeds smooth, white, 3 mm. broad.

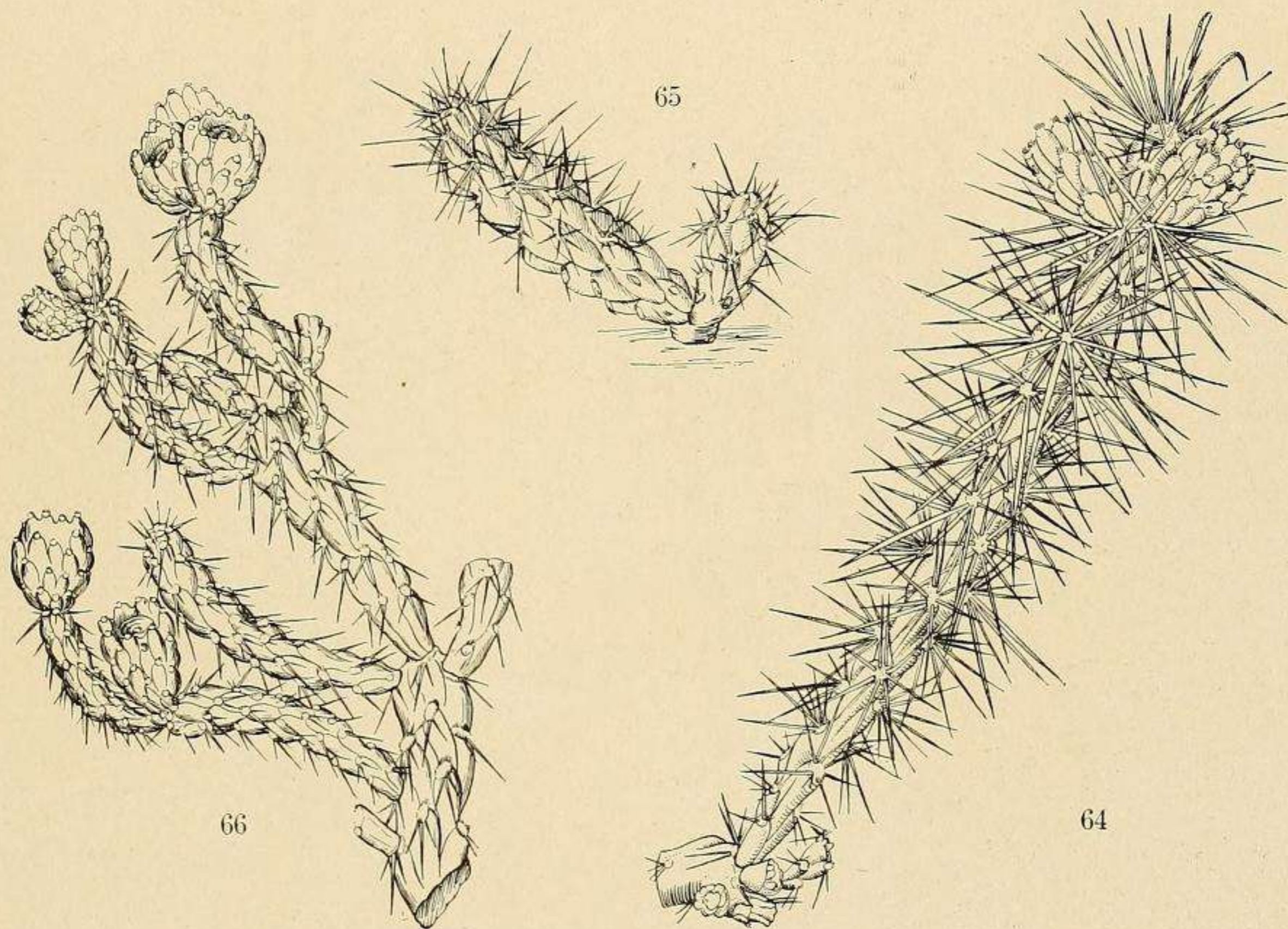


FIG. 64.—*Opuntia davisii*. $\times 0.5$

FIG. 65.—*Opuntia viridiflora*. $\times 0.5$.

FIG. 66.—*Opuntia whipplei*. $\times 0.5$

Collected in the vicinity of Santa Fé, New Mexico, altitude about 2,225 meters, by Paul C. Standley, July 6, 1911 (No. 6493, type) and at the same locality by T. D. A. Cockerell in 1912, and by J. N. Rose in 1913 (No. 18776). It is quite common on the hills just north of Santa Fé about Fort Marcy, where it is one of the dominant plants, but it was not observed elsewhere in that region.

This species differs from *Opuntia imbricata* with which it is found, in its much lower stature, more bushy habit, in its branches, spines, and smaller, differently colored flowers, different fruit, and smaller seeds.

Figure 65 represents two joints of a specimen collected by Dr. Rose at the type locality in 1913.

15. *Opuntia whipplei* Engelm and Bigelow, Proc. Amer. Acad. 3: 307. 1856.

Opuntia whipplei laevior Engelm, Proc. Amer. Acad. 3: 307. 1856.

Low, much branched, with long, fibrous roots; areoles prominent, flattened laterally, 10 to 15 cm. long, circular, filled with light-brown wool; glochids pale yellow, short; spines about 12, the