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OPUNTIA TRICOPHORA (Engelm.) Britton & Rose

Opuntia missouriensis tricophora ENGELM. Proc. Am. Acad. 3: 300. 1856.

Opuntia polyacantha tricophora COULT. Contr. Nat. Herb. 3: 437. 1896.

Type locality: Mountains near Albuquerque, New Mexico.

Distribution: New Mexico and Texas.

Illustrations: Pac. R. Rep. 4: pl. 15, figs. 1-4; pl. 23, fig. 19.

This species is certainly distinct from *O. polyacantha*. It probably does not belong to this series.

OPUNTIA RHODANTHA Schum.

Opuntia rhodantha SCHUM. Gesamtb. Kakteen 735. 1899.

Type locality: Colorado, at 2,000 to 2,300 meters.

Distribution: Colorado.

OPUNTIA XANTHOSTEMMA Schum.

Opuntia xanthostemma SCHUM. Gesamtb. Kakteen 735. 1899.

Type locality: Mesa Grande, Colorado, 2,000 meters.

Distribution: Colorado.

OPUNTIA HYSTRICINA Engelm. & Bigel.

Opuntia hystricina ENGELM. & BIGEL. Proc. Am. Acad. 3: 299. 1856.

Type locality: Colorado Chiquito and on San Francisco Mountains.

Distribution: New Mexico, Arizona, Nevada, and California.

Illustration: Pac. R. Rep. 4: pl. 15, figs. 5-7; pl. 23, fig. 15.

Series TUMIDAE

Low turgid-jointed plants with dry or nearly dry fruits.

OPUNTIA RUTILA Nutt.

Opuntia rutila NUTT.; Torr. & Gr. Fl. N. Am. 1: 555. 1840.

Opuntia erinacea ENGELM. Proc. Am. Acad. 3: 301. 1856.

Type locality: Arid clay hills in the Rocky Mountain range, near the Colorado of the West, about latitude 42°.

Distribution: Wyoming to Arizona and California.

Illustrations: Pac. R. Rep. 4: pl. 13, figs. 8-11; pl. 24, fig. 4; Monatsschr. Kakteenk. 14: 105.

The identity of *O. rutila* Nutt. with *O. erinacea* Engelm. was indicated by Dr. Engelmann in the Report of Simpson's Expedition, page 442; Nuttall's type came from southwestern Wyoming and