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covered with spines 1–2 inches long; joints 8–10 by 6–8 inches in length; spines  $\frac{1}{2}$ – $1\frac{1}{2}$  inches long. Ovary with nearly 50 pulvilli, while the foregoing species have not more than 20.

†† *Procumbentes.*

7. *O. PROCUMBENS*, E. & B. l. c.: prostrata; articulis orbiculato-obovatis grandibus pallide viridibus; pulvillis remotis setas stramineas rigidas valde inæquales et aculeos 2–4 validos compressos angulatos stramineos basi obscuriores gerentibus.

San Francisco mountains to Cactus Pass, in Western New Mexico. Joints 9–13 inches long, always edgewise; pulvilli  $1\frac{1}{2}$ –2 inches apart; spines 1–2 inches long. Similar to *O. Engelmanni*, but prostrate, with more distant pulvilli, and stouter spines. No flower or fruit seen.

8. *O. ANGUSTATA*, E. & B. l. c.: prostrata vel adscendens; articulis elongato-obovatis versus basin angustatis; pulvillis remotis setas fulvas graciles aculeosque paucos (2–3) validos compressos stramineos seu albidos versus basin rufos deflexos gerentibus; bacca obovata tuberculata; seminibus magnis.

From Zuni, west of the Rio Grande, westward to the Cajon Pass, in the California mountains. — Joints 6–10 inches long, only 3 or 4 wide. Spines similar to those of the last species; bristles much more delicate. Fruit  $1\frac{1}{2}$  inches long; the umbilicus flat, but immersed. — Well distinguished by the shape of the joints.

\* \* \* *Fulvispinæ.*

9. *O. MACROCENTRA*, E. in B. C. R.: adscendens; articulis magnis suborbiculatis tenuibus; pulvillis subremotis setas graciles breves fulvas gerentibus, summis solum aculeos 1–2 prælongos subcompressos fusco-atros proferentibus; floris flavi ovario ovato; stigmatibus 8; seminibus majusculis.

Sand-hills on the Rio Grande near El Paso: fl. May. — Two or three feet high, with very striking round joints, 5–8 inches in diameter, and blackish spines as much as 2 or 3 inches long. Nearly allied to the next species.

10. *O. PHÆACANTHA*, E. in Pl. Fendl.: diffusa, adscendens; articulis obovatis crassis glaucescentibus; pulvillis subremotis setas graciles stramineas seu fuscatas longiores gerentibus, plerisque aculeos 2–5 plus minus compressos fuscis proferentibus; floris flavi ovario abbreviato; stigmatibus 8; bacca cuneata pyriformi; seminibus majusculis.