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Saltillo, Mexico. — Spreading masses with joints an inch long or less; tubercles 4–6 lines long; interior spines 4–6, exterior ones $1\frac{1}{2}$ –3 lines long. Apparently near the South American *O. pusilla*, Salm., and perhaps belonging to the *Opuntia glomerata*, rather than here. Fruit unknown.

§ 2. *Cylindricæ*: adscendentes vel erectæ: articuli longiores, ovato-cylindrici seu elongati: textura lignosa compacta, tubum reticulatum vel truncum compactum formans: flores magni seu parvi, purpurei vel raro flavi: bacca sicca vel subcarnosa, floris rudimenta plerumque dejiciens, aculeata seu inermis.

* *Polyacanthæ*: lignum plerumque reticulato-tubulosum; articuli crassiores distincte tuberculati: aculei plures seu plurimi: flores plerumque rubri: semina immarginata.

† *Humiliores*: diffuse ramosæ: articuli subclavati: flores plerumque flavidi: baccæ siccæ, aculeatæ.

35. *O. DAVISII*, E. & B. in P. R. Rep.: caule dense lignoso ramossissimo divaricato; articulis junioribus erectis elongatis basi attenuatis; tuberculis oblongo-linearibus; aculeis interioribus 4–7 subtriangularibus rufis vagina straminea laxa indusiatis divergentibus; aculeis inferioribus 5–6 gracilibus; bacca ovata pulvillis sub-25 aculeigeris stipata.

On the Llano Estacado, near the Upper Canadian River; common. — Spreading and somewhat procumbent, about 18 inches high; the only one in this section with dense wood. Joints 4–6 inches long, rather slender; tubercles 7–8 lines long; interior spines 1– $1\frac{1}{2}$ inches in length; lower ones 3–6 lines long. Fruits (all sterile, and perhaps not properly developed) an inch or more in length.

36. *O. ECHINOCARPA*, E. & B. l. c.: erectiuscula; ramis numerosis patentissimis; articulis ovatis basi clavatis; tuberculis ovatis confertis; aculeis majoribus sub-4 albidis stramineo-vaginatibus, 8–16 minoribus undique radiantibus; flore flavo (?); bacca globosa depressa seu hemisphærica late profundeque umbilicata pulvillis sub-40 aculeatissimis stipata; seminibus late commissuratis.

Var. β . MAJOR: elatior; articulis elongatis; aculeis longioribus laxius vaginatibus paucioribus; baccis globosis pulvillos pauciores (25) gerentibus.

In the valley of the Lower Colorado; β . in Sonora. — Var. *a.* is a