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Proceedings of the American Academy of Arts and Sciences.

Boston :Metcalf and Co., 1846-1958

<http://www.biodiversitylibrary.org/bibliography/3934>

v. 3 (1852-1857): <http://www.biodiversitylibrary.org/item/22230>

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Var. *a.* NIGRICANS: aculeis brevioribus acute angulatis et nigricantibus.

Var. *β.* BRUNNEA: pulvillis remotioribus; aculeis longioribus obtuse angulatis brunneis sursum albidis.

Var. *γ.* MAJOR: suborbiculata; pulvillis remotis; aculeis brevioribus paucioribus pallidioribus.

New Mexico: fl. May. Var. *a.* is found on the Rio Grande near Santa Fé; *β.* in similar sandy locations near El Paso; and *γ.* in mountainous regions near Santa Fé. — Joints 4–6, or in *γ.* even 8, inches long; spines mostly 1–2 inches in length. Flower about 2 inches in diameter, with a short ovary. Fruit $1\frac{1}{4}$ – $1\frac{1}{2}$ inches long, slender, much contracted at base so as to appear almost stipitate.

O. MOJAVENSIS, E. & B. in P. R. R.: prostrata; articulis grandibus suborbiculatis; pulvillis remotis; setis fulvis; aculeis 3–6 validis infra fuscis.

On the Mojave, west of the Colorado. — The material is too scanty to make out where it belongs; but perhaps it is only a form of *O. phæacantha*.

11. *O. CAMANCHICA*, E. & B. in P. R. R.: prostrata; articulis adscendentibus majusculis suborbiculatis; pulvillis remotis plerisque armatis; setis stramineis fulvisve parcis; aculeis 1–3 compressis fuscis apice pallidioribus, superioribus elongatis suberectis, cæteris deflexis; bacca ovata late umbilicata; seminibus majusculis angulatis hilo excisis.

Llano Estacado, on the Upper Canadian River. A large, extensively spreading plant; the joints 6–7 inches long; spines $1\frac{1}{2}$ –2 or even 3 inches long. Fruit large, juicy. Seeds 2–3 lines in diameter, very irregular and deeply notched at the hilum.

12. *O. TORTISPINA*, E. & B. l. c.: prostrata; articulis adscendentibus majusculis suborbiculatis; pulvillis subremotis; setis stramineis seu fulvis; aculeis 3–5 majoribus angulatis sæpe tortis albidis cum 2–4 gracilioribus; bacca ovata late umbilicata; seminibus majusculis orbiculatis.

On the Camanche plains, east of the elevated plateau of the Llano Estacado. — Similar in size and habit to the last species, its western neighbor, with more numerous spines than any other of our *Opuntia* with juicy fruit. Seeds regular, and only very slightly notched at the hilum.