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**Madroño; a West American journal of botany.**

Berkeley, California Botanical Society.

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**v.34-35:no.1-4 (1987:Jan.-1988:Oct.):**

<http://www.biodiversitylibrary.org/item/185592>

Article/Chapter Title: Opuntia

Subject(s): Opuntia flavispina

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4. ***Opuntia engelmannii* var. *flavispina*** (L. Benson) Parfitt & Pinkava, comb. nov.—*O. phaeacantha* Engelm. var. *flavispina* L. Benson, Cact. Succ. J. (Los Angeles) 46:79. 1969. Type: USA, AZ, Pima Co., Organ Pipe Cactus National Monument, Ajo Mts, Alamo Canyon, 2300 ft, 27 Apr 1939, *Nichol s.n.* (Holotype: POM 306987; isotypes: ARIZ 64930, 83680; Herb. Organ Pipe Cactus Natl. Mon.!, Herb. U.S. Natl. Park Service, Santa Fe).
5. **OPUNTIA ENGELMANNII var. CUIJA** Griffiths & Hare, New Mexico Agric. Exp. Sta. Bull. 60:44. 1906.—*Opuntia cuija* (Griffiths & Hare) Rose in Britton & Rose, Smithsonian Misc. Coll. 50:529. 1908.—*Opuntia lindheimeri* Engelm. var. *cuija* (Griffiths & Hare) L. Benson, Cact. Succ. J. (Los Angeles) 41:125. 1969. Type: Mexico, San Luis Potosi, *Griffiths 7596* (=7636) (Holotype: US 2576155A!, 2576156A!, photos ASU!; isotype: POM 287125).

Pinkava and Parfitt (1982) reported this taxon as diploid ( $2n=22$ ). The remainder of *O. engelmannii* is hexaploid ( $2n=66$ ). Although this taxon may be better treated as a species, we have chosen to treat it here pending resolution of the uncertainty regarding the application of *O. cantabrigiensis* Lynch, which has priority at the species level.

6. ***Opuntia engelmannii* var. *flexospina*** (Griffiths) Parfitt & Pinkava, comb. nov.—*O. flexospina* Griffiths, Bull. Torrey Bot. Club 43: 87. 1916.—[*O. engelmannii* Salm-Dyck var. *flexispina* [sic] (Griffiths) Weniger, Cacti of the Southwest 178. 1970 (invalid name, ICBN Art. 33.2)].—*O. strigil* Engelm. var. *flexospina* (Griffiths) L. Benson, Cact. Succ. J. (Los Angeles) 46:79. 1974. Type: USA, TX, vicinity of Laredo, dry gravelly hills, Jun 1911, *Griffiths 10301* (Holotype: US 2571224A!, 2571225A!, photos ASU!; isotypes: POM 299916, 290308).

#### ACKNOWLEDGMENTS

Reviews of the nomenclature by Edward G. Voss and Dan H. Nicolson are greatly appreciated. Allan D. Zimmerman provided helpful comments and discussion, especially regarding the Texas taxa. Sonia and Leslie Landrum kindly translated the abstract to Spanish. We thank the curators of ARIZ, ASU, MO, NY, OBI, POM, SD, US, and the herbarium of Organ Pipe Cactus National Monument for making specimens available for study.

#### LITERATURE CITED

- BENSON, L. 1969. The cacti of the United States and Canada—new names and nomenclatural combinations—I. Cact. Succ. J. (Los Angeles) 41:124–128.  
 ———. 1982. The cacti of the United States and Canada. Stanford Univ. Press, Stanford, CA.