

d'articulation au style, par les fleurs ni velues, ni glanduleuses, par les styles, à proportion plus longs, par les sépales non soudées au tiers inférieur. Jongmans.

Griffiths, D., Additional species of *Opuntia*. (Bull. Torrey Bot. Club. XLIII. p. 523—531. Pl. 30. 1916.)

Opuntia columbiana (Pasco, Washington). spines and body of the plant vary greatly in color, *O. cucumiformis* (received from European collections as *O. ciribe* Engelm.) but it has little relation to that species. *O. calantha*, received from European collections as *O. microdisca* Weber, but differs from that plant in almost every diagnostic character. *O. longiclada* (Pl. 30), from European collections. *O. platynoda*, from European collections. *O. microcarpa* Engelm., new description, it has been named by Engelmann from Stanley's figures and has now the first time been recognized (Solomonville, Arizona, etc.). *O. crystalenia* (Cardenas, Mexico) common upon the Mexican highlands and often cultivated. *O. ithypetala*, received from Berlin as *O. Hanburyana* O. Weber, it is more closely related to *O. Schumanni* O. Weber, it does not agree with *O. Hanburyana* in any particular. *O. rubiflora*, from European collections as an unpublished variety of *O. camanchica* Engelm. et Bigel; it is, however, a good species. *O. megalantha*, received from Berlin as *O. Bergeriana* A. Weber. The character of the flowers excludes it from this species. It differs also in general habit, nature of spination and form and character of joints. Jongmans.

Long, W. H., Five undescribed species of *Ravenelia*. (Botan. Gazette. LXI. p. 417—424. 1916.)

Ravenelia roemeriana, on *Acacia roemeriana*, Texas, closely related to *R. versatilis*; *R. morongiae*, on *Morongia uncinata*, Texas; *R. thornberiana*, on *Acacia constricta paucispina*, resembling *R. versatilis* by the urediniospores having two rows of germ pores, but distinguished by the fact that the two rows of germ pores are equidistant from the equator of the spore; *R. reticulatae*, on *Calliandra reticulata*, Arizona, closely related to *R. texensis*, but differs from this species in having an entirely different host and in having smaller and thinner-walled urediniospores, while practically all of its telial characters are different; *R. annulata*, on *Lysiloma latisiliqua*, Florida, closely related to *R. lysilomae*, but differs from this species in its smaller and differently shaped sori, in its acuminate urediniospores with hyaline cylindrical bases and 6 germ pores, and in its smaller and very irregularly-shaped teliospore heads with only about one-half as many spores to each head as *R. lysilomae*. Jongmans.

Personalnachricht.

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