

REVISION OF THE GENUS REBUTIA

Additional Note

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Since the preparation of these notes two further 'rebutias' have been described by Professor M. Cardenas. Studies on these plants again suggest to us that they also more properly belong to *Sulcorebutia* Backbg. rather than *Rebutia* K.Sch. sensu strictu, accordingly we propose the following new combinations:

Sulcorebutia glomerispina (Card.) Buin. et Don. comb. nov.

Syn. *Rebutia glomerispina* Cardenas in C et S. J. Amer. 36 (1964); 40-41.

Sulcorebutia tunariensis (Card.) Buin. et Don. comb. nov.

Syn. *Rebutia tunariensis* Cardenas in C. et S. J. Amer. 36 (1964); 38-40.

We appreciate the remarks made by Professor Cardenas in the *Cactus and Succulent Journal of America*, (36 (1964), p. 39,) concerning the proper place of *Sulcorebutia*, but it is our firm conviction that the resemblances to *Rebutia* are superficial only and do not represent a true affinity, but are more a case of parallel evolution. As far as we know no fertile hybrids of *Rebutia* and *Sulcorebutia* have been raised. Fruit and seed may be formed by such crossings but the seedlings if germination occurs rapidly succumb to chlorosis. On the other hand *Sulcorebutia* readily form hybrids with *Weingartia* and *Gymnocalycium* and also with *Chamaecereus*. *Rebutias*, as far as we know, do not form hybrids with plants of these genera. The *Chamaecereus-Sulcorebutia* hybrids formed from crossing *Sulcorebutia tiraquensis* ♂ with *Chamaecereus silvestrii* ♀ are very beautiful plants indeed.

The fruits and seeds of *Sulcorebutia* are far closer in all respects to those of *Weingartia* and some *Gymnocalycium*. If *Sulcorebutia* needs to be submerged within a more embracing genus, then we suggest *Weingartia* or with the latter into *Gymnocalycium* would be more appropriate than *Rebutia*.

*Originally published in the Cactus & Succulent Journal of Great Britain
in November 1965 27(4) (p. 80)
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