

New Bolivian Cacti

Rebutia candiae Cárđ. sp. nov.

Globosa caespitosa 2-3 cm. alta, 4-5 cm. lato atro viridis apice depressa. Costis 15-20 spiraliter dispositis in tubercula 5 mm alta, 10 mm. lata solutis. Areolis 6-8 mm. inter se distantibus linearibus ellipticis 5 mm. long. cremeis tomentosis. Aculeis pectinatis 12-14 corno adpressis 3-7 mm. long, gracilibus flavis. Flores numerosi ex parte laterali vel at basim cormi coronan dispositi. Alabaster conicus atro viridis. Flores urceolati parce zygomorphi 2,5-3 cm. long. Ovario 3-4 mm. diam. globoso atro purpureo viridi, squamis glabris 3 mm. long. atro viridis albo marginatis praedito. Tubus abrupte patens, squamis glabris, mucronatis atro viridis instructus. Phylla perigonii exteriora spathulata 12 mm, long, inferne flava superne viridiscentia; phylla interiora lanceolata 12 mm. long. inferne dilute flava superne aureo flava. Stamina ex fundo tubi usque ad basim petali 1 cm. long.; filamenta aureo flava. Antherae albescentes. Stylo 1 cm. long. gracilis, inferne viridiscenti, superne flavo albescenti, 6 radis stigmaticis gracilissimis albescentibus coronato. Fructu globoso 5 mm. diam. bruneis glabro, squamis latis praedito. Semina non nitentia 1-1,4 mm. long. atro brunescientia.

Patria: Bolivia, Provincia Ayopaya, Departamento Cochabamba prope Tiquirpaya 2800m.

Obs. Species detectori Ing. Daniel Candia dicata.



broad tubercles. Areoles 6-8 mm. linear elliptic 5 mm. long, cream felted.

Spines pectinate 6-7 at each side of the areole 3-7 mm. long. In old plants there are spines 2 cm. long. All spines thin acicular straw yellow color. Top depression of the plant with spines directed upwards. Flower buds conic, dark green. Flowers numerous from the lateral lower section of stem funnellform 2,5-3 cm. long, 3-3,5 cm. limb. slightly zygomorphic to urceolate.

Ovary 3-4 mm. diam. globose dark green purplish with 3 X 2,5 mm. mucronate dark green, white framed scales. Tube abruptly widening above with 5 x 3 mm. dark green pinkish below mucronate scales. Outer perianth segments spatulate 12 x 15 mm. yellow, greenish above;

Caespitose, globose 2-3 cm. high, 4-5 cm. broad, very dark green, depressed at top. Ribs 15-20 spiralled, broken in 5 mm. high 10 mm.

inner segments lanceolate 12 x 4 mm. light yellow below, golden yellow above. Stamens from the bottom of tube to the base of petals about 1 cm. long; filaments golden yellow; anthers whitish. Style 1 cm. long thin, free from the base greenish below, whitish yellow above. Stigma rays about 6, very thin 4 mm. long, whitish. Fruit globose brownish 5 mm. diam. glabrous. Seeds 1-1,4 mm long, brownish black punctulate not shining.

Bolivia. Province of Ayopaya. Department of Cochabamba. Near Tiquirpaya 2.800 m. March 1955 D. Candia. No. 5531 (Type) in Herbarium Cardenasianum. Cotype in National Herbarium of the Smithsonian Institution.

Obs. This pretty cactus looks like *Rebutia arenacea* Cárđ. but differs clearly by the color of stems, the structure of spines and shape of flowers.

Rebutia menesesii Cárden. sp. nov.

Globosa depressa 1,5-2 cm. alta 3,5-4,5 cm. lata atro viridis. Costis 14-18 spiraliter dispositis, in tubercula 2-3 mm. alta, 4-6 mm. lata solutis. Areolis 5-8 mm. remotis, albo tomentosus. Aculeis pectinatis 10-12 setosis 3-25 mm. long. albis vel roseis, pubescentibus. Flores numerosi ex basim cormi in coronam dispositi, infundibuliformes 3-4 cm. long. Ovario 3 mm. diam. atro flavo, squamis 1-1,5 mm. long. acutis glabris atro rubes praedito. Tubus 2 mm. crassus supra ovarium, superne patens, squamis 2-3 mm. long. purpureis instructus. Phylla perigoni exteriora 18 mm. long. sulphuris flava, apice purpureo; phylla interiora lanceolata 11 mm. long. temperate flavo albescentia. Stamina ex fundo tubi usque ad basim petali; filamenta aureo flava, filiformia; antherae albescentes. Stylo papilloso filiforme superne albescente, inferne viridiscente, 3 lacinis stigmaticis albidis coronato. Frucu globoso 6 mm. diam. atro rubeo, squamis latis, viridibus albo marginatis praedito. Semina atra 1 mm. diam. non nitentia, punctulata. Patria: Bolivia. Provincia Ayopaya, prope Naranjito, 1.600 m. Obs. species detectori Elias Meneses dicata.

Globose, simple, flattened 1,5-2 cm. high, 3,5-4,5 cm. broad slightly umbilicate at top, very dark green.

Ribs 14-18, spirally disposed, broken in roundish 2-3 mm. high, 4-6 mm. broad tubercles. Areoles 5-8 mm. apart white felted. Spines pectinate bristle-like 10-12 white or pinkish, 3-25 mm. long. pubescent. Flowers numerous from the base of stem funnel shaped 3-4 cm. long, 3 cm. limb. Ovary 3 mm. diam. dark yellow covered by several 1-1,5 mm. long acute dark red scales. Tube 2 mm. thick above ovary widening slightly above with 2-3 mm. long purplish acute scales. Outer perianth segments 18 x 3 mm., sulphur yellow purplish at tips; inner segments lanceolate 11 x 2 mm, light yellow whitish at base of petals;

filaments golden yellow, filiform; anthers whitish. Style papillose, filiform whitish above greenish at base. Stigma rays 1,5 mm., whitish, 3 in number. Fruit globose 6 mm. diam. dark red, covered by broad white framed green scales. Seeds black 1 mm. diam. not shining, punctulate.

Bolivia. Province of Ayopaya. Department of Cochabamba. Near Naranjito, 1.600 m. May 1958. E. Meneses, No. 5532 (Type) in Herbarium Cardenasianum. Cotype in the National Herbarium of the Smithsonian Institution, U.S.A.

Obs. This new Rebutia is distinguished by its long curved and pubescent spines.

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