

= *Bollea ecuadorana* Dodson, sp. nov.

Species haec *B. coelestis* Rchb. f. affinis, sed floribus minoribus, sepalis petalisque proportione latioribus, labelli apice leviter emarginato et calli parte media plana distinguitur.

Epiphytic. Roots fasciculate, thick. Rhizome short. Stem erect, very short, completely surrounded by distichous, imbricating leaf bases. Leaves ligulate-obovate, acute to acuminate at the apex, folded at the base, to  $35 \times 4$  cm, with a dehiscence suture near the base, thin, with 5 to 7 prominent nerves on the underside. Inflorescences produced from the axils of the middle leaves, one-flowered, erect, to 12 cm tall with 3 to 4 sheathing, obtuse bracts, the upper internode elongate, to 7 cm long; pedicellate ovary terete, to 2 cm long; floral bract expanded, to  $1 \times 3$  cm. Sepals and petals purple-blue with cream-green tips, the lip off-white with lavender markings and a yellow crest and the column yellow; dorsal sepal broadly elliptical, acute at the apex, concave,  $2.5 \times 2$  cm; lateral sepals obliquely ovate, broad, concave,  $2.7 \times 2$  cm; petals broadly elliptical, apiculate, concave,  $2.5 \times 2$  cm; lip broadly ovate, retuse at the apex, clawed, subsagittate at the base, apical portion recurved, the callus broad, occupying the lower 1/3 of the lip, fleshy, about 10-ribbed, with an unribbed strip down the midline; column broad, ovate, concave on the underside, enclosing the base of the callus, forming a short foot at the junction of the lip; pollinia 4, in 2 unequal pairs.

Distribution: Southwestern Ecuador.

Etymology: Named for the country of origin.

Type: *ECUADOR*: EL ORO: 10 km west of Piñas on new road to Santa Rosa, alt. 900 m, 27 July 1979, *Dodson, Morgan & Fallen 8568* (Holotype: SEL).

Other specimens examined: *ECUADOR*: EL ORO: Chaupitranca, above Giron, alt. 1200 m, Nov. 1980-Jan. 1981, *A. Andreetta 4103* (SEL); same locality, Mar. 1981, *A. Andreetta 4104* (SEL).

Observations: Allied to *Bollea coelestis* Rchb. f. but distinguished by the smaller flowers with proportionately broader segments, the midportion of the callus with a flat, unribbed portion, and the apex of the lip only slightly emarginate.