

ADDITIONAL NOTES ON THE GENUS HIEROBOTANA. I

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HIEROBOTANA Briq.

Additional & emended bibliography: H.B.K., Nov. Gen. & Sp. Pl., ed. folio, 2: 221, pl. 135 (1817), ed. quart., 2: pl. 135 (1817), and ed. quart., 273--274. 1818; Steud., Nom. Bot., ed. 1, 873. 1821; Spreng. in L., Syst. Veg., ed. 16, 2: 749. 1825; Steud., Nom. Bot., ed. 2, 2: 750. 1841; D. Dietr., Syn. Pl. 3: 604. 1843; Narnhart, Bull. Torrey Bot. Club 29: 500. 1902; Hayek in Engl., Bot. Jahrb. 42: 164. 1908; M. Kunz, Anatom. Untersuch. Verb. 33. 1911; Metcalfe & Chalk, Anat. Dicot. 1031, 1032, & 1040. 1950; Angely, Cat. Estat. Gen. Bot. Fam. 17: 4. 1956; J. F. Macbr., Field Mus. Publ. Bot. 13 (5): [Fl. Peru] 610. 1960; Moldenke, Phytologia 7: 300--304. 1960; Moldenke, Biol. Abstr. 36: 719. 1961; Hocking, Excerpt. Bot. A. 4: 224. 1962; Moldenke, Résumé Suppl. 7: 8. 1963; Moldenke, Phytologia 9: 31 (1963) and 9: 397. 1964; F. A. Barkley, List Ord. Fam. Anthoph. 75 & 173. 1965; Moldenke, Phytologia 12: 6. 1965; Airy Shaw in Willis, Dict. Flow. Pl., ed. 7, 545. 1966; Anon., Torrey Bot. Club Ind. Am. Bot. Lit. 3: 309. 1969.

HIEROBOTANA INFLATA (H.B.K.) Briq.

Additional & emended synonymy: Verbena inflata Humb. & Bonpl. ex Steud., Nom. Bot., ed. 1, 873. 1821. Verbena inflata Humb. ex Spreng. in L., Syst. Veg., ed. 16, 2: 749. 1825. Verbena inflata Humb. & Kunth ex Benth., Pl. Hartweg. 245. 1846. Hierobotana inflata (Kunth) Briq. ex Moldenke, Résumé Suppl. 2: 9, in syn. 1960. Hierobotana inflata (H.B.K.) Hieron. ex Moldenke, Résumé Suppl. 7: 8, in syn. 1963.

Emended illustrations: H.B.K., Nov. Gen. & Sp. Pl., ed. folio, 2: pl. 135 [in color] (1817) and ed. quart., 2: pl. 135. 1817.

Recent collectors describe this plant as a low woody herb, forming spreading mats, the roots large, and the calyx green, tipped purple. Barclay & Juajobioy 8216 is said to have had the corollas "lavender to almost white, deeper color in throat of tube, with hairs". The plant has been found growing in dry desery climates, in sandy soil, on rocky hillsides and dry slopes, in open deserts and open grassy paramos, along disturbed roadsides, and among sparse grasses and low plants in dry open flat areas with some sand dunes, at altitudes of 1200--3700 meters, flowering and fruiting in March, April, July, September, and November.

Material has been misidentified and distributed in herbaria as Verbena microphylla H.B.K.

Additional citations: ECUADOR: Chimborazo: Barclay & Juajobioy 8216 (N); Fagerlind & Wibom s.n. [Guamote, X.1952] (Mi); F. C. Lehmann 174 (Bm); Rimbach 176 (W--1544716); Rose & Rose 22400 (W--1022053), 23906 (W--1023216); Sparre 18533 (S). Cotopaxi: Barclay & Juajobioy 7985 (N); Sparre 15689 (S), 15845 (S).