

KREODANTHUS GARAY

This species is similar to the Costa Rican *K. curvatus* Ormerod but it has flowers with an obovate-elliptic (not oblong-ligulate) dorsal sepal, a broadly obovate (not rhombic) labellum hypochile, and a longer (2.75 vs. 1.9–2.0 mm) column.

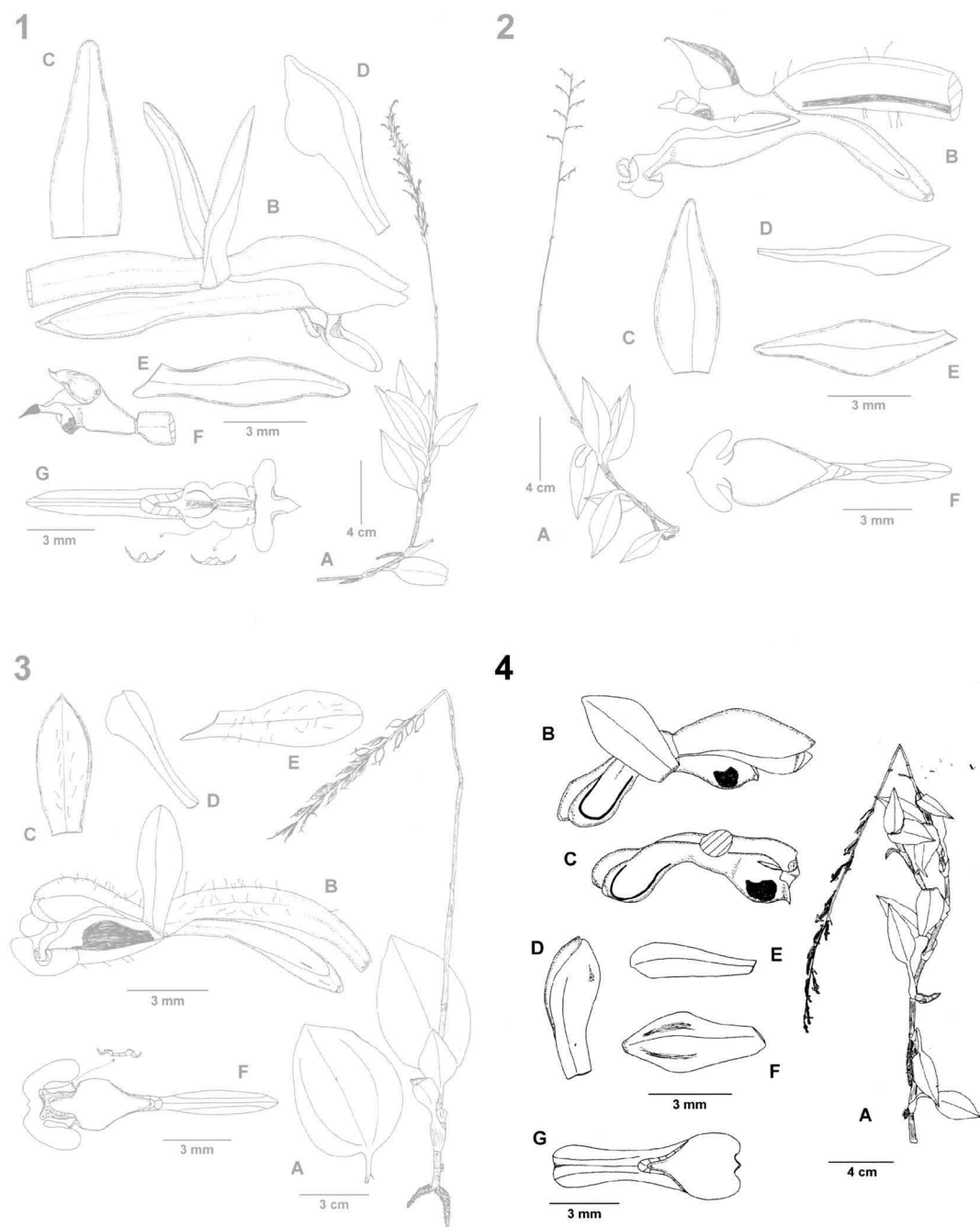
Kreodanthus bugabae Ormerod, *sp. nov.*

TYPE. PANAMA. Chiriqui: Distrito Bugaba, Cerro Punta, along ridge to watershed to Bocas del Toro Province, 2200 m, 26 January 1985, *H. van der Werff & J. Herrera 6441* (Holotype: MO). Fig. 4.

Affinis K. curvatus Ormerod *sed sepalis dorsalis obovato-ellipticis (non oblongo-ligulatis) et hypochilo labello late obovatis (non rhombicis) differt.*

Erect terrestrial herb. *Rhizome* not seen. *Stem* terete, branching once in upper part, rooting from nodes in lower part, laxly 6–9-leaved, 4.5–21.1 × 0.2–0.4 cm; internodes 1.9–2.8 cm long. *Leaves* obliquely ovate, acute, margins wavy, 3.3–3.5 × 1.00–1.75 cm; petiole and sheath 1.6–2.2 cm long. *Inflorescence* 30.7–38.5 cm long; peduncle 10.5–11.7 cm long; sheathing bracts 2, 1.3–2.1 cm long; rachis laxly flowered, 11–16 cm long; floral bracts ovate-rhombic, acute, to 8.0 × 3.0–3.5 mm. Pedicellate ovary cylindric-fusiform, glabrous; capsule subcylindric, 10 mm long, pedicel 3 mm long. *Flowers* glabrous, greenish-white. Dorsal sepal obovate-elliptic, subacute, concave, 5 × 2 mm. Lateral sepals obliquely rhombic, obtuse, concave, reflexed, 4.50–4.85 × 1.95 mm. Petals ligulate-oblancoate, subacute, 4.2 × 1.2 mm. *Labellum* spurred, trilobed, joined to column for 2.3 mm; spur broadly clavate-didymous dorsally, subobtuse, 3.7 mm long, 1.9 mm wide dorsally; hypochile broadly obovate, concave, fleshy, 1.80 × 2.95 mm; epichile triangular, subacute, apex curved, 0.2–0.3 × 0.75 mm. *Column* straight with apical third decurved, 2.75 mm long.

Distribution: Panama.



FIGURES 1-4. 1, *Aspidogyne cruciformis* Ormerod. A, plant; B, flower; C, dorsal sepal; D, petal; E, lateral sepal; F, column; G, labellum and spur (cross-sections of hypochile and mesochile arrowed) (drawn from holotype). 2, *A. goaltalensis* Ormerod. A, plant; B, flower minus tepals; C, dorsal sepal; D, petal; E, lateral sepal; F, labellum and spur (drawn from holotype). 3, *A. sumacoensis* Ormerod. A, plant and detached leaf; B, flower; C, dorsal sepal; D, petal; E, lateral sepal; F, labellum and spur (cross-section of mesochile arrowed) (drawn from holotype). 4, *Kreodanthus bugabae* Ormerod. A, plant; B, flower; C, flower minus tepals; D, dorsal sepal; E, petal; F, lateral sepal; G, labellum and spur (drawn from holotype).