

1.8–2.2 cm long. Inflorescence erect, pubescent, pinkish, 27.5 cm long; peduncle 13.1 cm long; sheathing bracts 3, lax, 1.1–1.5 cm long; rachis densely many-flowered, 14.4 cm long; floral bracts lanceolate, acute, ca. 0.7 × 0.2 cm. Pedicellate ovary cylindrical-fusiform, glabrous, ca. 4–5 mm long; capsule thickly fusiform, ca. 8 × 2.5 mm. Flowers glabrous, color not known. Dorsal sepal ovate-lanceolate, obtuse, 3.8 × 1.3 mm. Lateral sepals obliquely oblong, obtuse, 4.1 × 1.5 mm. Petals obliquely oblanceolate, obtuse, 3.5 × 1 mm. Labellum spurred, trilobed, joined to column for 0.9–1.0 mm; spur ellipsoid in lateral view, obovoid in dorsal view, obtuse, 2 mm long, 1.5 mm wide dorsally; hypochile subcircular unspread, concave, apices triangular, subacute, 1.0–1.9 mm long, ca. 1.9 mm wide spread; epichile late obovate, acute, 2 × 2 mm, 0.2 mm wide at join with hypochile. Column 1.95–2.00 mm long.

**Distribution:** Costa Rica.

**Habitat:** forested slope, 1100–1200 m.

This species is similar to *A. tuerckheimii* (Schltr.) Garay but it differs in having tessellated leaves, flowers with a labellum hypochile that has free triangular apices and an late obovate epichile. In *A. tuerckheimii* the leaves are plain green, the flowers have a hypochile that lacks free tips and the epichile is transversely elliptic.

Another similar species is *A. utriculata* (Dressler) Szlach. which also has tessellated leaves but its flowers have a larger 3.5 mm long spur, obliquely ovate-lanceolate petals and a labellum in which the hypochile appears to be poorly differentiated from the epichile.

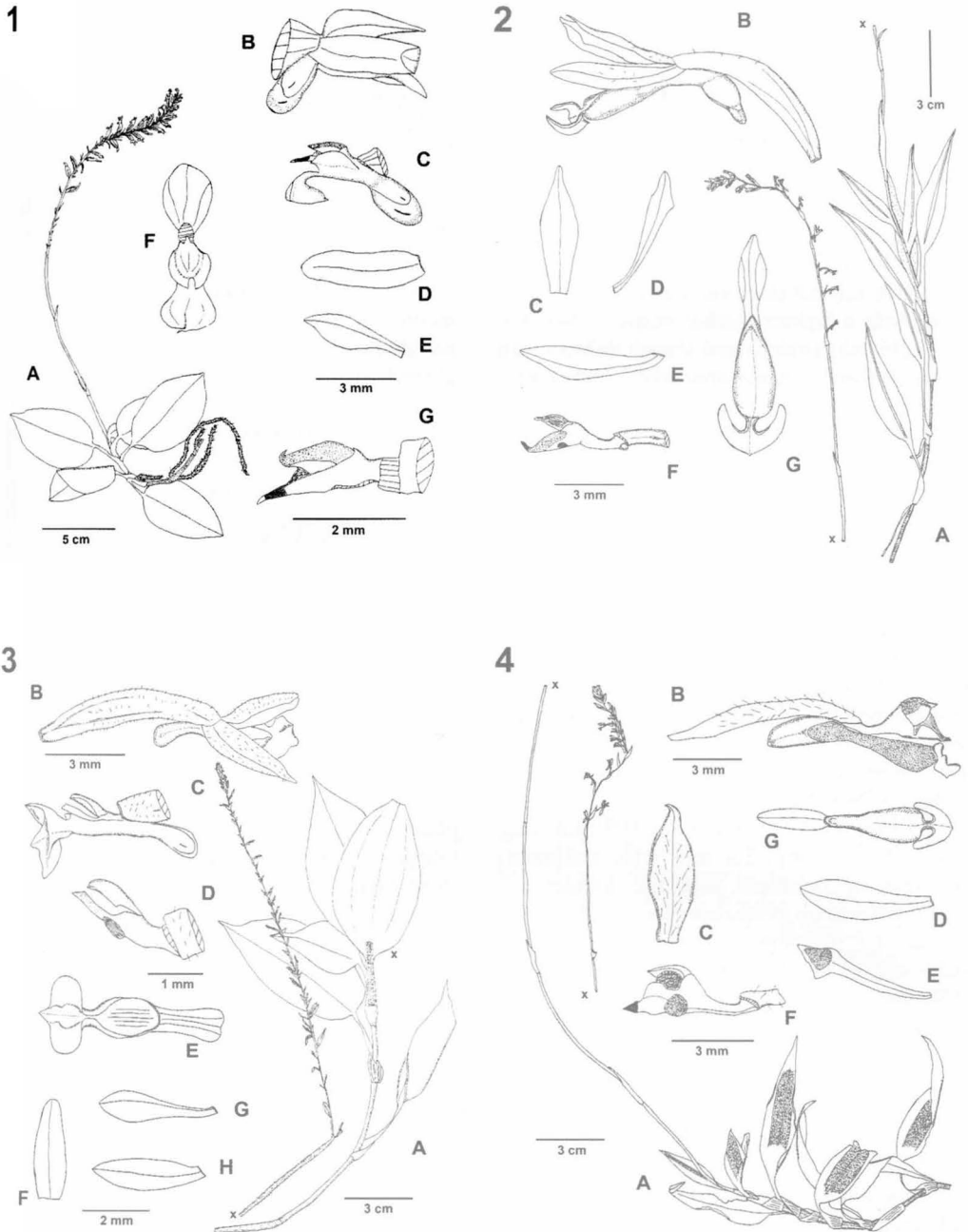
Also *A. stictophylla* (Schltr.) Garay is very similar to *A. grayumii* but it may be distinguished by its ovate to ovate-lanceolate leaves which are green and usually spotted with white.

***Aspidogyne grayumii*** Ormerod, *sp. nov.*

TYPE: COSTA RICA. Puntarenas: Jardín Botánico Wilson, W side of Río Jaba, ca. 1.5 km SW of Las Cruces de Coto Brus, 1100–1200 m, 21 January 1989, *M. Grayum* 9267 (Holotype: MO). Fig. 1.

*Affinis* *A. tuerckheimii* (Schltr.) Garay *sed foliis tessellatus (non concoloribus) et epichilo floribus late obovatis (non transverse ellipticis) differt.*

Occasional terrestrial herb. Rhizome terete, rooting at nodes, ca. 4 × 0.15–0.20 cm; internodes 0.6–1.0 cm long. Stem erect, terete, 5-leaved, ca. 4.9 × 0.15–0.40 cm; internodes 0.6–1.0 cm long. Leaves obliquely ovate–elliptic, acute to subacuminate, upper surface with squarish to rectangular blotches of milky green, 5.6–6.3 × 3.15–3.50 cm; petiole and sheath



FIGURES 1–4. *Aspidogyne* species. 1, *A. grayumii*. A, plant; B, flower; C, flower minus tepals; D, lateral sepal; E, petal; F, labellum and spur; G, column (drawn from holotype). 2, *A. popayanensis*. A, plant; B, flower; C, dorsal sepal; D, petal; E, lateral sepal; F, column; G, labellum and spur (not to scale) (drawn from holotype). 3, *A. tuerckheimii* (Schltr.) Garay. A, plant; B, flower; C, flower minus tepals; D, column; E, labellum and spur (not to scale); F, dorsal sepal; G, petal; H, lateral sepal (drawn from L.P. Kvist and Asanza 40788, AAU). 4, *A. zonata*. A, plant; B, flower minus tepals; C, dorsal sepal; D, lateral sepal; E, petal; F, column; G, labellum and spur (not to scale) (drawn from holotype).