

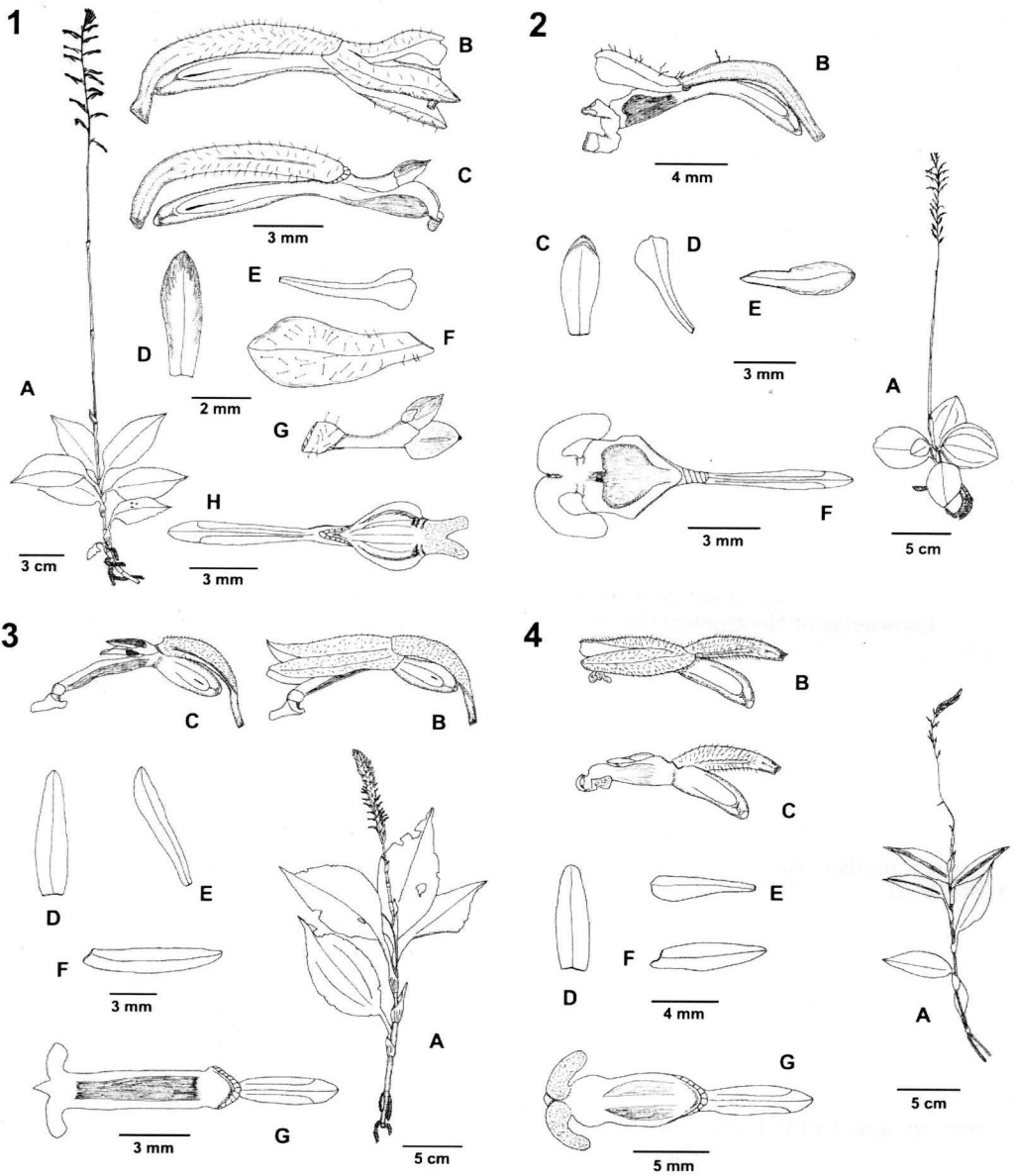
Aspidogyne harlingii Ormerod, *sp. nov.* TYPE: ECUADOR. Morona-Santiago: Gualaquiza to Indanza road, ca. KM 20, between Tumbes and Tucumbatza, 1600 m, 20 April 1985, G. Harling & L. Andersson 24381 (Holotype: GB). Fig. 2.

Affinis *A. sumacoensis* Ormerod *sed mesochilo labello transverse rectangularis (non hastato-trullatis), ecallosis (vs. callosis) et brevioribus (0.9 vs. 1.4 mm) differt.*

Erect terrestrial herb. Rhizome and roots not seen. Stem terete, short, with a rosette of 5 leaves, 2.5 × 0.4 cm. Leaves suborbicular, subacute, drying dark grey-green, 1.85–5.00 × 1.55–4.90 cm; petiole and sheath 0.7–1.3 cm long. Inflorescence 26.8 cm long; peduncle 19.5 cm long; sheathing bracts 4, disintegrated; rachis subdensely many-flowered, 7.3 cm long; floral bracts disintegrated. Pedicellate ovary subcylindric, arcuate, sparsely pubescent, 9.5 mm long. Flowers laxly externally pubescent, color not known. Dorsal sepal narrowly obovate-elliptic, subacute, concave, 4.80 × 1.95 mm. Lateral sepals obliquely oblong-oblongeolate, subacute, concave, 5.6 × 1.95 mm. Petals ligulate-oblongeolate, bluntly apiculate, 4.80 × 1.75 mm. Labellum spurred, trilobed, joined to column and apex of ovary for 2.0–3.0 mm; spur narrowly clavate-subcylindric, obtuse, ca. 6 mm long; hypochile subquadrate, inside with an obcordate concavity, 2.3 mm long, basally 3.5 mm wide, narrowing to 3 mm wide; mesochile transversely rectangular, ca. 0.90 × 1.75 mm; epichile anchoriform, ca. 0.3 mm long medially, ca. 5 mm wide, lobules oblong-ligulate, obtuse, falcate, ca. 2.9 × 1.0–1.1 mm. Column without winglets, 3.2 mm long.

Habitat and distribution: Ecuador, remnants of primary forest, 1600 m.

Externally this species much resembles its Ecuadorian congener *Aspidogyne sumacoensis* Ormerod but it differs from that species in its flowers having a shorter (0.9 vs. 1.4 mm), transversely rectangular (not hastate-trullate), and callose labellum mesochile.



FIGURES 1-4. 1, *Aspidogyne costaricensis* Ormerod & M.A. Blanco. A, plant; B, flower; C, flower minus tepals; D, dorsal sepal; E, petal; F, lateral sepal; G, column; H, labellum and spur. 2, *Aspidogyne harlingii* Ormerod. A, plant; B, flower minus lateral sepal; C, dorsal sepal; D, petal; E, lateral sepal; F, labellum and spur. 3, *Microchilus andrei* Ormerod. A, plant; B, flower; C, flower minus tepals; D, dorsal sepal; E, petal; F, lateral sepal; G, labellum and spur. 4, *Microchilus arietinus* (Rchb.f. & Warming) Ormerod var. *federalensis* Ormerod. A, plant; B, flower; C, flower minus tepals; D, dorsal sepal; E, petal; F, lateral sepal; G, labellum and spur. All drawn from holotype.