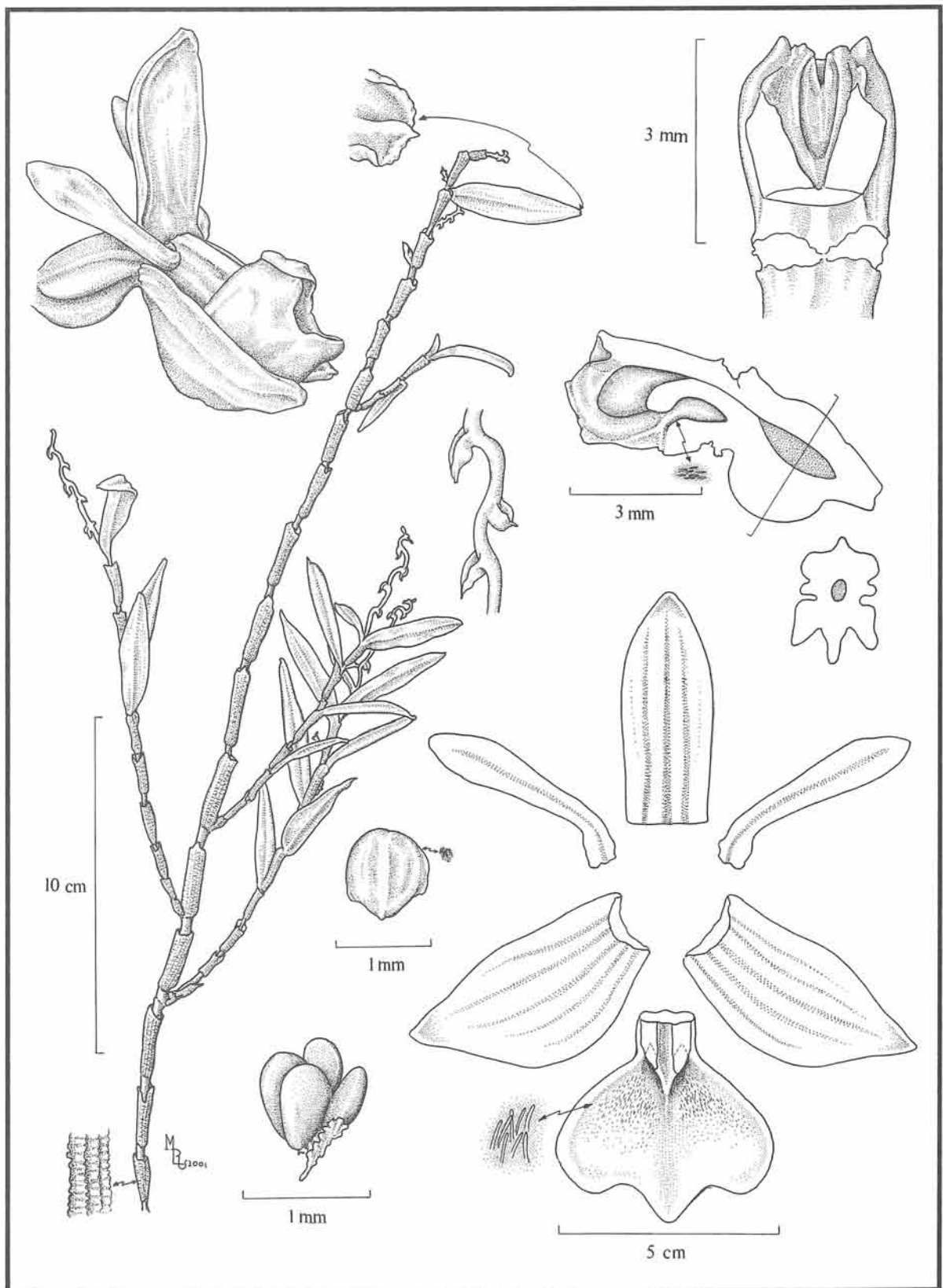




EPIDENDRUM CAMPYLORHACHIS Hágsater & Dodson
THE GENUS EPIDENDRUM PART 4

EPIDENDRUM CAMPYLORHACHIS Hágsater et Dodson, *sp. nov.*

Type: ECUADOR: Morona-Santiago: Gualaquiza, Cordillera del Cóndor, ridge top above Banderas, near disputed Ecuador-Peru border, 03°28'S 78°15'W, 1350 m, 17 July 1993, *Al Gentry 80002*. Holotype MO! (Illustration voucher). Isotype: QCNE!

Epidendro lindae Hágsater & Dodson simile sed foliis minoribus, inflorescentia racemosa, labello ad basem cuneato, lobulis lateralibus oblique obovatis, petalis anguste oblanceolatis, ovario profunde triquetro differt.

Hierba terrestre, ramificada, de más de 35 cm de alto. **Raíces** no vistas. **Tallos** erectos, ramificados cuando maduros, tipo caña, teretes, el principal de más de 30 x 0.2-0.35 cm, las ramas más cortas, 4-17 x 0.12-0.22 cm. **Hojas** en el tallo principal caedizas, 5-10 en las ramas, distribuidas a todo lo largo de los mismos; alternas, coriáceas; vaina tubular a algo infundibuliforme en seco, estriada, rugosa, 0.8-2.8 x 0.12-0.35 cm; lámina angostamente elíptica, ápice bilobado y mucronado, con una quilla dorsal baja, margen entero y ligeramente revoluto en seco, 2.1-4.4 x 0.4-1.1 cm. **Bráctea espatácea** ausente. **Inflorescencia** apical, florece una sola vez, racemosa, dística, erecta, 2.6-3.8 cm de largo; pedúnculo terete, delgado, desprovisto de brácteas, 5-11 mm de largo; raquis terete, marcadamente flexuoso, cada segmento incurvado debajo de la bráctea, de manera que las brácteas quedan retrorsas, 2.5-3.3 mm de largo. **Brácteas florales** tan largas como el ovario, gradualmente más cortas hacia el ápice, anchamente triangulares, agudas, con una quilla dorsal baja, margen entero, retrorsas, abrazadoras, 2.2-4 mm de largo. **Flores** 5-6, el labelo siempre hacia el raquis, aparentemente sucesivas, color amarillo verdoso, sin datos de fragancia. **Ovario** oblicuamente triquetro, de sección complicada, aparece de 8 quillas desiguales y acanalado, las 3 quillas ventrales prominentes; no inflado, liso, 3.5 mm de largo. **Sépalos** libres, carnosos, margen entero, 5.2-5.5 x 2-2.7 mm; **dorsal** extendido, oblongo subobovado, 3-nervado, subagudo; los **laterales** entrecerrados, paralelos con respecto a la columna, elípticos, agudos, 5-nervados, ligeramente oblicuos. **Pétalos** libres, semiretrorsos, angostamente oblanceolados, oblicuos, redondeados, 1-nervados, carnosos, margen entero, 5.0 x 1.0 mm. **Labelo** unido a la columna, abrazando el ápice de la columna y cubriéndolo totalmente, trilobado, base cuneada, carnosos, margen entero; el callo muy corto y bajo, en forma de "V", desprovisto de quillas, superficie pubescente hacia la base; lóbulos laterales obovoides, oblicuos, redondeados, 2 x 3 mm; lóbulo medio anchamente triangular, muy corto, redondeado, 1 x 1.7 mm. **Columna** recta, gruesa, ventralmente provista de un diente redondeado en el ápice, 3 mm de largo. **Clinandrio** reducido, entero. **Antera** subesférica, la superficie ornamentada con papilas diminutas. **Polinios** 4, obovoides, desiguales; caudículas suaves y granulosas. **Rostelo** apical, hendido. **Lóbulos laterales del estigma** no vistos. **Nectario** sin penetrar el perianto, escasamente pubescente. **Cápsula** no vista.

Terrestrial, branching herb. **Stems** erect, branching, cane-like, terete. **Leaves** distributed throughout the stems, coriaceous; sheath tubular to somewhat infundibuliform when dry, striated, rugose; blade narrowly elliptic, apex bilobed and mucronate, margin entire and revolute when dry. **Inflorescence** apical, racemose, distichous, erect, peduncle terete, short, rachis terete, markedly flexuous, each segment incurved below the bract, so that the bract appears retrorse. **Floral bracts** as long as the ovary, triangular, acute. **Flowers** 5-6, apparently successive, the lip always facing the rachis, greenish-yellow. **Ovary** obliquely triquetrous, in section formed by 8 unequal ribs and 8-sulcate, the 3 lower ribs prominent; not inflated. **Sepals** free, fleshy, margins entire; **dorsal** sepal spreading, oblong, subacute, 3-veined, **laterals** barely open, parallel to the column, elliptic, acute, 5-veined, somewhat oblique. **Petals** free, semiretrorse, narrowly oblanceolate, oblique, rounded, 1-veined, fleshy, margin entire. **Lip** united to the column, embracing the apex of the column and completely covering it, 3-lobed, base cuneate, fleshy, margin entire, callus short and low, "V" shaped, surface pubescent towards the base; lateral lobes obliquely obovoid, rounded, apical lobe widely triangular, short, rounded. **Column** straight, thick, with a basal tooth at each side of the apex. **Clinandrium** hood reduced, entire. **Anther** subspheric. **Pollinia** 4, obovoid, unequal, caudicles smooth and granular. **Rostellum** apical slit. **Nectary** not penetrating the ovary, scarcely pubescent.

OTHER SPECIMENS: ECUADOR: Morona-Santiago: Cordillera del Condor, Centro Shuar Warints, Cerro Chikichik Naint, 1220 m, 9 X 2002, *Kajekai 28*, QCNE!

DISTRIBUTION AND ECOLOGY: Known only from the Ecuadorean-Peruvian border on the Cordillera del Condor in the Amazon basin, terrestrial and epiphytic in primary forest, from 1220 to 1350 m altitude. Flowering in July to October.

RECOGNITION: *Epidendrum campylorhachis* belongs to the Aquaticum Subgroup of the Macrostachyum Group, which has branching stems, distichous inflorescences, small, fleshy flowers and pubescent nectaries. The new species has a three-lobed lip with the base cuneate, narrowly oblanceolate petals and an oblique, deeply triquetrous ovary, with the rachis segments prominently incurved below each bract. It closely resembles *Epidendrum lindae* which has larger, wider leaves, the rachis flexuous so that the bracts are somewhat retrorse, linear petals and a terete ovary, the lip is slightly cuneate with the lateral lobes subquadrate. *Epidendrum carnosiflorum* C. Schweinf. has larger flowers (dorsal sepals 10-11 mm long), and a three-lobed lip, the midlobe much larger than the lateral lobes. *Epidendrum rugulosum* Schltr. has larger, linear-oblong leaves and larger flowers, with the lip suborbicular and sepals 11 mm long.

Epidendrum stenocalymnum Hágsater & G. Calatayud has small, ovate, leaves, a simple, erect raceme, entire, oblanceolate, unguiculate petals and the cuneate lip forming a deep sac in front of the column, so that the column is not visible.

CONSERVATION STATUS: DD. Data deficient.

ETYMOLOGY: From the Greek *καμπυλος*- incurved, and *ραχίς*- rachis, in reference to the peculiar incurved segments of the rachis, which cause the bracts to appear retrorse.

