



## *Campyloneurum poloense* (Polypodiaceae), a new combination and lectotypification for a Bolivian fern

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During the revision of the fern genus *Campyloneurum* Presl (1836: 189) (Polypodiaceae) for Bolivia, a species previously described in *Polypodium* is recognized in the former, but requiring a new combination, which is done here, in addition to lectotypification and providing an updated description.

*Campyloneurum poloense* (Rosenst.) B.León, *comb. nov.*

Basionym:—*Polypodium poloense* Rosenstock (1913: 473, as “*poloëense*”).

Type:—BOLIVIA. La Paz: Dept. Nor Yungas, “Polo Polo prope Coroico,” 900 m, October 1912, *O. Buchtien 3525* (lectotype S!, designated here, isolectotype US!).

Rhizome pruinose, 2–3 mm in diameter; rhizome scales 3.0–3.6 × 0.7–1.0 mm, 12–15 cells wide at the middle length, ovate-lanceolate, brown, clathrate except for marginal cells (only slightly clathrate), biauriculate at the base, with roundish cells except for narrowly oblong cells along the central axis of the scale, lumina transparent, not iridescent; fronds closely spaced; petioles 0.5–2.0 cm long; laminae 8–20 × (0.7–)1–3 cm, chartaceous, narrowly-oblongate or narrowly lanceolate, bases gradually decurrent, apices obtuse, margins slightly revolute; primary veins obscure, but abaxially contrasting with the lamina tissue when dry, 1–3 series of areoles between costa and margin, costal areoles three times longer than wide, primary non-costal areoles usually divided, hydathodes adaxially sometimes with lime dots; sori in one or two series, generally towards the apices.

**Additional specimen examined:**—BOLIVIA. La Paz, Nor Yungas, Comunidad Cultural, 36 km Caranavi a Sapecho, 15°41'S, 67°30'W, 1250 m, 24 August 1997, *M. Kessler 11386* (LPB, UC).

**Remarks:**—*Campyloneurum poloense* belongs to the complex of *C. angustifolium* (Swartz 1788: 130) Fée (1852: 257). Based on the type only León (1993: 32) included this species in the synonymy of *Campyloneurum amphostenon* (Kunze ex Klotzsch 1847: 399) Fée (1852: 258), since width of the lamina was considered part of the variation of this species; however, other characteristics in *C. amphostenon* as laminae with acuminate apices and lanceolate rhizome scales more than 1 mm wide do not support her conclusion. After the examination of a recent collection, we now propose that *C. poloense* can be distinguished from other species in the Bolivian flora as detailed in the following key.

To date, *C. poloense* is only known from the Andean foothills (900–1250 m) in the department of La Paz, Bolivia. Among the closely related species that also occur in this department, *C. angustifolium* (Swartz 1788: 130) Fée (1852: 257) occurs over a wide elevational range (300–3850 m) whereas at higher elevations one may find *C. aglaolepis* (Alston 1939: 346) de la Sota (1960: 96) (1420–3600 m), *C. amphostenon* (2250–3650 m), and *C. angustipaleatum* (Alston 1939: 346) M.Mey. ex Lellinger (1984: 56) (1500–2600 m).