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restricted species seems to be not so rare, I did not hesitate in keeping the epithet *zakii* for this interesting species.

*Additional specimens examined.* – **Carchi:** Espejo, El Gualtal, faldas de cerro Golondrina Hembra, 0°51'N 78°7'W, 2450 m, 21.VIII.1994, *Palacios 12716* (QCNE, US); Espejo, cerro Golondrinas, 0°51'N 78°7'W, 2450 m, VIII.1994, *Palacios 12779* (QCNE, US). **Pichincha:** Lloa, Chiriboga, c. 0.5 km siguiendo la pista que sale del pueblo y cruza el río Saloya, 0°13'S 78°46'W, 1820 m, 16.VII.2023, *Calvo & Benítez 8478* (QCA); Quito, Chiriboga, en la carretera viaje a Santo Domingo, reserva forestal “La Favorita” del Ministerio Agricultura, 0°12'S 78°47'W, 1600–1800 m, 8.III.1990, *Cerón, Ayala & Jiménez 8937* (QCNE, US); Quito, reserva Maquipucuna, along río Tulambi, W of hacienda El Carmen, c. 4 km airline SE of nanegal, 0°7'N 78°38'W, 1250 m, 18.IX.1989, *Webster, Addison & Colwin 27739* (QCA).

## Doubtful name

*Pentacalia pailasensis* H. Rob. & Cuatrec. in *Novon* 3: 289. 1993.

**Holotypus:** ECUADOR. **Morona-Santiago:** trail between Mirador and Pailas, 2010–2255 m, 9.IX.1943, *Steyermark 54275* (F, most likely lost).

*Notes.* – The specimen *Palacios & Tirado 13032* (QCNE, US) was identified as *Pentacalia pailasensis* by Robinson (in sched., 1998). I did not find any difference from the specimens belonging to *P. sevellana*. Moreover, this specimen and the type locality of *P. pailasensis* fall within the known distribution area of *P. sevellana*.

*Pentacalia pailasensis*, however, remains as a doubtful species because no type material has been found. The holotype at F appears to have been lost (K. Hansen, pers. comm.) and no duplicates of *Steyermark 54275* have been located.

## Taxon to be searched for

### *Pentacalia* sp.

ECUADOR. **Esmeraldas:** San Lorenzo, parroquia Alto Tambo, frente finca del Sr. Lalama, a 1.5 km del sector de El Cristal, 00°50'N 78°30'W, 650 m, 13.V.1992, *Quelal & Luteyn 477* (QCNE-64601!, US [US01844459] image!).

*Notes.* – The two specimens that I located of *Quelal & Luteyn 477* do not have the capitula developed enough to examine them. The indumentum of leaves, synflorescence branches, and involucre have an indumentum composed of T-shaped trichomes similar than in *Pentacalia subglomerosa* (Greenm.) Cuatrec. from southern Peru and Bolivia (CALVO, 2021).

This collection was identified as *Pentacalia carchiensis* (= *P. aschersoniana*) by NORDENSTAM (1999), which is not because of the indumentum composed of T-shaped trichomes. It does not match any known species from Ecuador or Colombia. This may probably correspond to a new species.

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