

NOMENCLATORIAL NOTES ON ECUADORIAN SENECIONEAE

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Abstract

Seven new combinations for Ecuadorian taxa in the genera *Aetheolaena*, *Dendrophorbium* and *Monticalia* are presented. *Senecio hypomallus* Benoist is synonymized with *Aetheolaena heterophylla* (Turcz.) B. Nord.

Introduction

Continuing work on Ecuadorian Senecioneae for the 'Catalogue of the Vascular Plants of Ecuador' and the 'Flora of Ecuador' necessitates some further combinations in addition to those already recently published in this journal (Nordenstam 1996). One of the reasons for these new combinations is my standpoint that *Aetheolaena* should be kept distinct from *Lasiocephalus*, which is a small Andean genus typified by *L. ovatus* Schldl. The species of *Aetheolaena* are herbs or half-shrubs, often scandent, with petiolate leaves and corymbose capitula, whereas *Lasiocephalus* comprises shrubs with imbricate, sessile or subsessile leaves and larger solitary flower-heads, somewhat resembling those of *Culcitium*.

Nomenclature

1. The type of *Senecio hypomallus* Benoist (Ecuador, valley of Lloa, 3.VII.1930, Benoist 2719, P holotype!) was examined and found to be conspecific with *Aetheolaena heterophylla* (Turcz.) B. Nord. The synonymy of this species is as follows.

Aetheolaena heterophylla (Turcz.) B. Nord.

Syn.: *Gynoxys heterophylla* Turcz., *Lasiocephalus heterophyllus* (Turcz.) Cuatrec.; *Senecio pindilicensis* Hieron.; *S. hypomallus* Benoist.

2. *Aetheolaena decipiens* (Benoist) B. Nord., comb. nov.

Basionym: *Senecio decipiens* Benoist, Bull. Soc. Bot. France 83: 807 (1936). Syn.: *Lasiocephalus decipiens* (Benoist) Cuatrec. - Orig. coll.: Ecuador, Loja, 2200 m, IV. 1905, Rivet 971 (P holotype!).

This is close to *Aetheolaena campanulata* (Sch. Bip. ex Klatt) B. Nord., which was described from Bolivia and appears to be distinct from the Ecuadorian species.

3. *Aetheolaena ledifolia* (Kunth) B. Nord., comb. nov.

Basionym: *Culcitium ledifolium* Kunth in H.B.K., Nov. Gen. Sp. Pl. ed. fol. 4: 133 (1818). Syn.: *Lasiocephalus ledifolius* (Kunth) C. Jeffrey. - Orig. coll.: Ecuador, Humboldt & Bonpland s.n. (P, non vidi).

4. *Aetheolaena otophora* (Wedd.) B. Nord. var. *christophori* (Cuatrec.) B. Nord., comb. nov.

Basionym: *Senecio otophorus* Wedd. var. *christophori* Cuatrec., Fieldiana, Bot. 27(2): 22 (1951). Syn.: *Lasiocephalus otophorus* (Wedd.) Cuatrec. var. *christophori* (Cuatrec.) Cuatrec. - Orig. coll.: Colombia, Dep. Cundinamarca, Bogotá, San Cristobal, 3000-3300 m alt., IX.1917, F. W. Pennell 2047 (NY holotype, non vidi; F, US, isotypes, non vidi).

This is a felty-lanate variety from high elevations in Colombia and Ecuador.

5. *Aetheolaena otophora* (Wedd.) B. Nord. var. *microcephala* (Hieron.) B. Nord., comb. nov.

Basionym: *Senecio otophorus* Wedd. var. *microcephalus* ("microcephala")

Hieron., Engl. Bot. Jahrb. 19(1): 66 (1894). - Orig. coll.: Ecuador, Prov. Azuay, Cuenca, Páramo de Huarijacaja, Chaning et Pilzhum, X.1880, Lehmann 4912 (K?, non vidi).

This variety is rather characteristic with small and sometimes elongate capitula. I have seen three collections, all from Azuay Prov. in Ecuador.

6. *Aetheolaena pichinchensis* (Cuatrec.) B. Nord., comb. nov.

Basionym: *Culcitium pichinchense* Cuatrec., An. Univ. Madrid 4(2): 215 (1935).

Syn.: *Senecio pichinchensis* (Cuatrec.) Cuatrec., nom. illeg. (non *S. pichinchensis* Greenm.); *Lasiocephalus pichinchensis* (Cuatrec.) Cuatrec.; *Senecio quitensis* Cuatrec. - Orig. coll.: Isem 308 (MA holotype, non vidi; F isotype, non vidi).

7. *Dendrophorbium kleinioides* (Kunth) B. Nord., comb. nov.

Basionym: *Cacalia kleinioides* Kunth in H.B.K., Nov. Gen. Sp. Pl. ed. fol. 4: 128-

129 (1818). Syn.: *Psacalium kleinioides* (Kunth) DC.; *Pentacalia kleinioides* (Kunth) Cuatrec. - Orig. coll.: Colombia, prope Guaduas, Humboldt & Bonpland s.n. (P holotype, non vidi) . - Further syn.: *Senecio karstenii* Hieron.; *Dendrophorbium karstenii* (Hieron.) C. Jeffrey; *Senecio pennellii* Greenm.

8. *Monticalia angustifolia* (Kunth) B. Nord., comb. nov.

Basionym: *Cacalia angustifolia* Kunth in H.B.K., Nov. Gen. Sp. Pl. ed. fol. 4: c.

124-125 (1818) ed. quarto 4: 159 (1820). Syn.: *Senecio humboldtianus* DC. - Orig. coll.: Ecuador, Quito, prope Mulalo, Humboldt & Bonpland s.n. (P, non vidi).

De Candolle (1838) changed the specific name when he transferred the species to *Senecio*, because the epithet *angustifolia* was pre-occupied in that genus by *S. angustifolius* (Thunb.) Willd., a South African species. *Monticalia angustifolia* is an erect small shrub with closely set, sessile, narrow leaves, and several, more or

less erect, discoid capitula, and styles with truncate tips lacking a central hair pencil, all features characteristic of the genus *Monticalia*.

References

- De Candolle, A. P.** 1838. *Prodromus systematis naturalis regni vegetabilis* 6. Paris.
- Nordenstam, B.** 1996. New combinations in Ecuadorean Senecioneae. *Comp. Newsl.* 29: 47-50.