

- FLEISCHMANNIA ANTIQUORUM (Standl. & Steyerl.) R. M. King & H. Robinson, comb. nov. *Eupatorium antiquorum* Standl. & Steyerl., Publ. Field Mus. Nat. Hist. Chic. Bot. 22: 302. 1940.
- FLEISCHMANNIA PASTAZAE (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium pastazae* B. L. Robinson, Biblioth. Bot. 29: 160 Heft. 116. 1937.
- FLEISCHMANNIA SAXORUM (Standl. & Steyerl.) R. M. King & H. Robinson, comb. nov. *Eupatorium saxorum* Standl. & Steyerl., Publ. Field Mus. Nat. Hist. Chic. Bot. 23: 189. 1944.
- GRAZIELIA MOLLICOMA (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium mollicomum* B. L. Robinson, Contrib. Gray Herb. n.s. 68: 26. 1923.
- GUAYANIA CRASSICAULIS (Steyerl.) R. M. King & H. Robinson, comb. nov. *Eupatorium crassicaule* Steyerl., Fieldiana, Bot. 28: 629, No. 3. 1953.
- HEBECLINIUM OBTUSISQUAMOSUM (Hieron. ex Sod.) R. M. King & H. Robinson, comb. nov. *Eupatorium obtusisquamosum* Hieron. ex Sod., Bot. Jahrb. 29: 14. 1900.
- HETEROCONDYLUS ALATUS (Vellozo) R. M. King & H. Robinson, comb. nov. *Chrysocoma alata* Vellozo, Fl. Flum. 313. 1825. The Vellozo name has priority for the species commonly known as *Eupatorium vautherianum* DC.
- KOANOPHYLLON GRANDICEPS (Wright) R. M. King & H. Robinson, comb. nov. *Eupatorium grandiceps* Wright, Anales Acad. Ci. Med. Habana 6: 178. 1869. Sauv. Fl. Cub. 76. 1873.
- KOANOPHYLLON GRISEBACHIANUM (Alain) R. M. King & H. Robinson, comb. nov. *Eupatorium grisebachianum* Alain, Candollea 17: 121. 1960. The name was provided by Alain for *Eupatorium incisum* Griseb. not A.Rich.
- KOANOPHYLLON QUISQUEYANUM (Alain) R. M. King & H. Robinson, comb. nov. *Eupatorium quisqueyanum* Alain, Moscosoa 1 (1): 48. 1976.
- NEOCABRERIA PENNIVENIA (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Symphyopappus pennivenius* B. L. Robinson, Contrib. Gray Herb. n.s. 68: 7. 1923.
- PHALACRAEA LONGIPETIOLATA (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Piqueria longipetiolata* B. L. Robinson, Proc. Amer. Acad. 43: 27. 1907.

SPHAEREUPATORIUM SPHAEROCEPHALUM (Sch.Bip. ex Baker) R. M. King
& H. Robinson, comb. nov. *Eupatorium sphaerocephalum* Sch.
Bip. ex Baker in Martius, Fl. Bras. 6 (2): 317. 1876.

STEVIOPSIS VIGINTISETA (DC.) R. M. King & H. Robinson, comb. nov.
Stevia vigintiseta DC., Prodr. 5: 123. 1836.

One species transferred to the tribe Inuleae also needs a new
combination:

IPHIONA RETOFRACTA (Thunb.) H. Robinson, comb. nov. *Eupatorium*
retrofractum Thunb., Prodr. Pl. Cap. 142. 1800.

STUDIES IN THE EUPATORIEAE (ASTERACEAE). CCVIII.

ADDITIONS TO *BADILLOA* AND *BARTLETTINA* FROM ECUADOR

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Material recently sent on loan by the New York Botanical Garden contains specimens of one previously described species needing a new combination and one species that is undescribed.

BADILLOA ATRESCENS (B.L.Robinson) R. M. King & H. Robinson, comb. nov. *Eupatorium atrescens* B.L.Robinson, Contrib. Gray Herb. n.s. 77: 9. 1926. The species was originally described as a shrub, 8 ft. tall with purple flowers from between San Lucas and Oña in the Province of Loja, Ecuador. When examined many years ago, the species seemed to represent an intergeneric hybrid between *Badilloa* and *Aristeguietia* with the essential key characters of the former. We deferred making a combination without evidence of the existence of an established population. The following specimen provides that evidence. ECUADOR: Azuay-"Oriente" Border: Eastern Cordillera, between Oña and the río Yacuambi. West slope, 8,000-9,500 ft. elev. Vine. Leaves deep green above, pale below. Bracts green suffused with reddish purple. Base of corolla cream; upper part of tube, lobes and style branches dull lavender-purple. Sept. 10-19, 1945. *F. Prieto P-213*.

BARTLETTINA CAMPIL R.M.King & H.Robinson, sp. nov.

Plantae scandentes 5 m longae mediocriter ramosae. Caules pallide brunnescentes subhexagonales dense grosse hirsuti. Folia opposita, petiolis 1.5-4.5 cm longis; laminae triangulares plerumque 4-10 cm longae et 3-7 cm latae base valde cordatae margine multo crenato-dentatae apice breviter anguste acuminatae supra ubiquiter pilosae subtus plerumque in nervis prominule reticulatis pilosae ad basem distincte trinervatae. Inflorescentiae late laxae pyramidaliter paniculatae in ramis distalis congestae, ramis ultimis 2-11 mm longis hirsutis. Capitula late campanulata 8-10 mm alta et 6-10 mm lata; squamae involucri ca. 50 distincte subimbricatae valde inaequilongae ca. 4-seriatae ovatae vel lineari-lanceolatae 2-6 mm longae et 0.3-1.3 mm latae late vel anguste acutae margine puberulo-fimbriatae extus puberulae vel glabrae 2-4-costatae; receptacula leniter convexa sparse pilosula. Flores ca. 40 in capitulo; corollae purpureae ca. 5.0-5.5 mm longae extus glabrae, tubis cylindraceis ca. 3 mm longis, faucibus infundibularibus ca. 2 mm longis, lobis triangularibus ca. 0.5 mm longis et base 0.4-0.5 mm latis utrinque laevibus; filamenta in parte superiore ca. 0.5 mm longa, cellulis plerumque



King, Robert Merrill and Robinson, Harold Ernest. 1981. "Studies in the Eupatorieae (Asteraceae)---CCVIII. Additions to Badilloa and Barlettina from Ecuador." *Phytologia* 49, 7-9.

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