NEW TRIBES IN ASTERACEAE

Jose L. Panero
Section of Integrative Biology, 1 University Station, C0930,
The University of Texas, Austin, TX 78712, USA
panero@mail.utexas.edu

V. A. Funk
US National Herbarium, Department of Botany, P.O. Box 37012,
Smithsonian Institution MRC 166, Washington, DC 20013-7012, USA

ABSTRACT

The tribal names Corymbieae, Gymnarrheneae, Hecastocleideae, Pertyeae, and Wunderlichieae were not validly published for lack of Latin descriptions. We validate these names here with short Latin descriptions. *Phytologia 91(3):568-570 (December, 2009).*

KEY WORDS: Compositae, Corymbieae, Gymnarrheneae, Hecastocleideae, Pertyeae, Wunderlichieae.

The original publication of tribes Corymbieae, Gymnarrheneae, Hecastocleideae, Pertyeae and Wunderlichieae shared Latin diagnoses with their corresponding subfamilies Corymbioideae, Gymnarrhenoideae, Hecastocleidoideae, Pertyoideae and Wunderlichioideae (Panero and Funk, 2002; 2007). It has been brought to our attention that a Latin description cannot be used to validate two names. We herein include a Latin diagnosis for the tribal names.

Corymbieae Panero & V.A. Funk, **tribus nov**. Type: *Corymbium* L. *Corymbieae* Panero & V.A. Funk, Proc. Biol. Soc. Wash. 115: 910. 2002, *nom. nud*.

Tribus subfamiliae Corymbioideae, plantae in foliis sessilibus et in laminis conduplicatis. Capitula uniflora, bracteis involucri biseriatis, dimorphis, bracteis interioribus 2, involutes; limbis corollarum salverformibus.

The tribe is monogeneric.

Gymnarrheneae Panero & V. A. Funk, **tribus nov**. Type:
Gymnarrhena Desf. *Gymnarrheneae* Panero & V. A. Funk, Proc. Biol.
Soc. Wash. 115: 912. 2002, *nom. nud*.

Tribus subfamiliae Gymnarrhenoideae, herbae perennes rosettiformes.
Capitulis subterraneis et aeriae; achaeniis dimorphis.

The tribe is monogeneric.

Hecastocleideae Panero & V.A. Funk, **tribus nov**. Type: *Hecastocleis*
A. Gray. *Hecastocleideae* Panero & V. A. Funk, Proc. Biol. Soc.
Wash. 115: 914, 2002, *nom. nud*.

Tribus subfamiliae Hecastocleidoideae, capitulescentiis biordinatis in
capitulis solitariis in bracteis spiniferis.

The tribe is monogeneric.

Pertyeae Panero & V.A. Funk, **tribus nov**. Type: *Pertya* Schultz-Bip.
Pertyeae Panero & V.A. Funk, Proc. Biol. Soc. Wash. 115: 915. 2002,
nom. nud.

Tribus subfamiliae Pertyoideae, corollis lobis profunde dissectis
variabiliter connatis distinctae

The tribe contains six genera: *Ainsliaea* DC., *Catamixis* Thoms. (see
Panero, 2008), *Diaspananthus* Miq. (sometimes included in *Ainsliaea*,
see Freire, 2007), *Macroclinidium* Maxim., *Myripnois* Bunge, and
Pertya Schultz-Bip.

Wunderlichieae Panero & V.A. Funk, **tribus nov**. Type:
Wunderlichia Riedel ex Benth. & Hook. f. *Wunderlichieae* Panero &
V.A. Funk, Phytologia 89: 357. 2007, *nom. nud.*

        Tribus subfamiliae Wunderlichioideae (in combinatione) foliis
crasse coriaceis aut deciduis, corollis grandibus tubis antherarum
exsertis, corollis plerumque actinomorphis, capitulis phyllariis
multiseriatis, stylis brachiis papillatis aut laevibus, et cypselis
plerumque cylindricis 10-nervatis.

        The tribe contains four genera: *Chimantaea* Maguire, Steyerm.
& Wurdack, *Stenopadus* S.F. Blake, *Stomatochaeta* (S.F. Blake)
Maguire & Wurdack, and *Wunderlichia* Riedel ex Benth. & Hook. f.

ACKNOWLEDGEMENTS

LITERATURE CITED

Freire, S. E. 2007. Systematic revision and phylogeny of *Ainsliaea* DC.
        (Asteraceae, Mutisieae). Ann. Mo. Bot. Gard. 94: 79–191.
Panero, J. L., and V. A. Funk. 2002. Toward a phylogenetic subfamilial
        classification for the Compositae. Proc. Biol. Soc. Wash. 115: 909–
        922.
Panero, J. L., and V. A. Funk. 2007. New infrafamilial taxa in
        Asteraceae. Phytologia 89: 356–360.
Panero, J. L. 2008. Shared molecular signatures support the inclusion of
        Catamixis in subfamily Pertyoideae (Asteraceae). Phytologia 90:
        418–424.