

NOTE

A Replacement Name for *Freemaniana* A. Warren, with Notes on
the Higher Classification of the Genus
(Lepidoptera: Hesperiiidae)

Recently, I proposed the genus *Freemaniana* for a diminutive Andean species of skipper, *Freemaniana rawlinsi* A. Warren (Lepidoptera: Hesperiiidae, Heteropterinae) (Warren 2001: 144). I inadvertently overlooked prior descriptions of that genus-group name for water mites from Ireland (*Freemaniana* Halbert 1944: 84; type species, *Freemaniana dispar* Halbert 1944: 84 (Arachnida: Acarina: Pionidae)) and for marine flatworms from the Pacific coast of California, Washington, and British Columbia (*Freemaniana* Hyman 1953: 336; type species, *Phylloplana litoricola* Heath and McGregor 1912: 472 (Platyhelminthes: Polycladida: Leptoplanidae)). *Freemaniana* A. Warren, is therefore preoccupied, and the following replacement name is here proposed: ***Freemaniana* A. Warren, new name** for *Freemaniana* A. Warren, 2001 (type species: *Freemaniana rawlinsi* A. Warren 2001: 144).

Olaf H. H. Mielke (personal communication), has brought to my attention the existence of eight additional *Freemaniana rawlinsi* specimens, all from Ecuador: Environs de Loja, 1893 (2 ♂, USNM); Gualaquiza, Azuay Prov., 2,800 m (1 ♂, Mielke collection), Sayausi, Azuay Prov., 2800 m., 26-X-1994 (1 ♂), 23-IX-1994 (4 ♂—all from the Piñas collection in Quito).

Freemaniana rawlinsi was originally described as a member of the subfamily Cyclopidinae Speyer. The rationale for using the name Cyclopidinae instead of Heteropterinae Aurivillius (Warren 2001) is in principle correct (see also Warren 2000). Article 40.2 of the ICZN (1999) states that if a family-group name was replaced before 1961 because of the synonymy of the type-genus, the substitute name is to be main-

tained if it is in prevailing usage. At the time I prepared the 2001 manuscript, I knew of no replacement name for Cyclopidinae having been proposed before 1961. After reading Warren (2001), Dr. G. Lamas (personal communication) brought the actions of Verity (1940: 86) to my attention. For Cyclopidinae and Heteropterinae, Verity noted that their respective type genera, *Cyclopides* Hübner and *Heteropterus* Dumeril, were subjective synonyms, *Cyclopides* being junior, and therefore chose to use Heteropterinae. Cyclopidinae had a short history of usage (see Warren 2001), and the more frequently applied Heteropterinae prevails in usage. Satisfying Article 40.2 by taking Verity (1940) into account, the valid subfamily name for *Freemaniana* and related genera is Heteropterinae.

About 15 genera are currently placed in Heteropterinae although the monophyly of that group is not confirmed and requires further study. Those genera are: *Apostictopterus* Leech; *Argopteron* Watson; *Barca* de Nicéville; *Butleria* Kirby; *Carterocephalus* Lederer; *Dardarina* Evans; *Dalla* Mabilie (including *Eumesia* Felder and Felder); *Freemaniana*; *Heteropterus* (includes *Cyclopides*); *Hoala* Evans; *Lepella* Evans; *Leptalina* Mabilie; *Metisella* Hemming; *Piruna* Evans; *Tsitana* Evans.

Thanks to Gerardo Lamas Muller (Universidad Nacional Mayor de San Marcos, Lima, Peru) for sharing his extensive knowledge on zoological nomenclature. Olaf H. H. Mielke (Universidade Federal do Paraná, Curitiba, Brazil) generously shared information on additional *Freemaniana* specimens. Thanks to John E. Rawlins (Carnegie Museum of Natural History,

Pittsburgh, PA) for helping to obtain literature cited herein, providing valuable technical advice, and carefully reviewing a draft of this paper. Hideyuki Chiba (Fukuoka, Japan) kindly shared information on Old World members of the Heteropterinae. Thanks also to Andrew V. Z. Brower, Darlene D. Judd (Oregon State University), Charles V. Covell, Jr. (Louisville University) and an anonymous reviewer for valuable comments and suggestions. This research was supported by the Ferguson Endowment for Systematic Entomology at Oregon State University.

LITERATURE CITED

- Halbert, J. N. 1944. List of Irish fresh-water mites (Hydracarina). *Proceedings of the Royal Irish Academy* 50: 39–104.
- Heath, H., and E. A. McGregor. 1912. New polyclads from Monterey Bay, California. *Proceedings of the Academy of Natural Sciences, Philadelphia* 64: 455–488.
- Hyman, L. H. 1953. The polyclad flatworms of the Pacific coast of North America. *Bulletin of the American Museum of Natural History* 100: 265–392.
- ICZN. 1999. *International Code of Zoological Nomenclature, Fourth Edition*. The International Trust for Zoological Nomenclature, London, 306 pp.
- Verity, R. 1940. *Le Farfalle diurne d'Italia 1. Considerazioni generali*. Superfamiglia Hesperides. Italy: Firenze, Casa Editrice Marzocco, 131 pp.
- Warren, A. D. 2000. Hesperioidea (Lepidoptera), pp. 535–580. In Llorente J. E. B., E. González Soriano, and N. Papavero, eds. *Biodiversidad, Taxonomía y Biogeografía de Artrópodos de México: Hacia una Síntesis de su Conocimiento, Vol. II*. Mexico City, Universidad Nacional Autónoma de México. 676 pp.
- Warren, A. D. 2001. A new genus and species of Cyclopidinae from Zamora, Ecuador (Lepidoptera: Hesperiiidae). *Boletín Científico del Museo de Historia Natural, Universidad de Caldas* 5: 138–153.

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Warren, Andrew D. 2001. "A replacement name for *Freemanina* A. Warren, with notes on the higher classification of the genus (Lepidoptera: Hesperidae)." *Proceedings of the Entomological Society of Washington* 103, 1028–1029.

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