

**NEW SUBSTITUTE NAMES FOR THREE
PREOCCUPIED LEPIDOPTERAN GENERA:
HERCYNELLA BETHUNE-BAKER, 1893, *COLONEURA*
DAVIS, 1964 AND *PARAGORGOPIS* VIETTE, 1951
(LEPIDOPTERA)**

Hüseyin Özdikmen*

* Gazi Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, 06500 Ankara, TÜRKİYE,
e-mail: ozdikmen@gazi.edu.tr

[Özdikmen, H. 2007. New substitute names for three preoccupied lepidopteran genera: *Hercynella* Bethune-Baker, 1893, *Coloneura* Davis, 1964 and *Paragorgopis* Viette, 1951 (Lepidoptera). *Munis Entomology & Zoology* 1 (2): 115-118]

ABSTRACT: Three junior homonyms were detected amongst the Lepidopteran genera and the following replacement names are proposed: *Tulaya* nom. nov. for *Hercynella* Bethune-Baker, 1893; *Neocoloneura* nom. nov. for *Coloneura* Davis, 1964; *Vietteogorgopis* nom. nov. for *Paragorgopis* Viette, 1951. Accordingly, new combinations are herein proposed for the species currently included in these genera: *Tulaya staudingeri* (Bethune-Baker, 1893) comb. nov. and *Tulaya margelana* (Bethune-Baker, 1893) comb. nov. from *Hercynella* Bethune-Baker, 1893; *Neocoloneura fragilis* (Barnes & McDunnough, 1916) comb. nov. from *Coloneura* Davis, 1964; *Vietteogorgopis foetterlei* (Viette 1951) comb. nov., *Vietteogorgopis jordani* (Viette 1956) comb. nov., *Vietteogorgopis nigrovenosalis* (Viette 1956) comb. nov., *Vietteogorgopis oreas* (Schaus 1892) comb. nov., *Vietteogorgopis pittionii* (Viette 1951) comb. nov., *Vietteogorgopis schausi* (Viette 1951) comb. nov. and *Vietteogorgopis spitzi* (Viette 1956) comb. nov. from *Paragorgopis* Viette, 1951.

KEY WORDS: nomenclatural changes, homonymy, replacement names, Lepidoptera.

**Family Crambidae
Genus *Tulaya* nom. nov.**

Hercynella Bethune-Baker, 1893. Ent. mon. Mag., 29, 204. (Lepidoptera: Pyraloidea: Crambidae: Odontiinae). Preoccupied by *Hercynella* Kayser, 1878. Abh. geol. Specialkarte Preuss. Thüring. Staaten, 2, Heft 4, 101. (Mollusca: Bivalvia: Cryptodonta: Praecardioida: Antipleuridae: Antipleurinae).

Remarks: Bethune-Baker (1893) proposed the generic name *Hercynella* with the type species *Hercynella staudingeri* Bethune-Baker, 1893 by subsequent designation by Collins, 1962 in Lepidoptera. Fletcher & Nye (1984) mentioned that *Hercynella* was not placed in a family when established. It was placed in the Pyralidae: Pyraustinae by Hampson, 1899 and in Pyralidae: Odontiinae by Munroe, 1961. At present, the subfamily Odontiinae is in the family Crambidae. Unfortunately, the generic name was already preoccupied by Kayser, (1878), who had described the genus *Hercynella* for a fossil bivalve in Mollusca (Gill 1950; Prantl 1960; Vai 1965; Blotgett et al. 2001; Kriz, 2001). Thus, *Hercynella* Bethune-Baker, 1893 is invalid under the law of homonymy, being a junior homonym of *Hercynella* Kayser, 1878. In accordance with article 60 of the International Code of Zoological Nomenclature, fourth edition (1999), we propose for the genus

Hercynella Bethune-Baker, 1893 the new replacement name *Tulaya*
nom. nov.

Etymology: The name dedicated to Tülay Özdikmen. The name is feminine in gender.

Summary of nomenclatural changes

Tulaya **new replacement name** = *Hercynella* Bethune-Baker, 1893 (non Kayser, 1878).

Tulaya staudingeri (Bethune-Baker, 1893) **comb. nov.** from *Hercynella* Bethune-Baker, 1893.

Tulaya margelana (Bethune-Baker, 1893) **comb. nov.** from *Hercynella* Bethune-Baker, 1893.

Family Psychidae

Genus *Neocoloneura* **nom. nov.**

Coloneura Davis, 1964. Bull. U.S. natn. Mus. No. 244: 89. (Lepidoptera: Tineoidea: Psychidae: Subfamily unassigned). Preoccupied by *Coloneura* Foerster, 1862. Verh. naturh. Ver. Rheinl., 19, 276. (Hymenoptera: Apocrita: Ichneumonoidea: Braconidae: Alysiinae).

Remarks: The name *Coloneura* was initially introduced by Foerster (1862) for a genus of the wasp family Braconidae (with the type species *Coloneura stylata* Foerster, 1862. Subsequently, Davis (1964) described a new moth genus of the family Psychidae (with the type species *Apterona fragilis* Barnes & McDunnough, 1916 by original designation) under the same generic name. This genus is monotypic. Thus, *Coloneura* Davis, 1964 is invalid under the law of homonymy, being a junior homonym of *Coloneura* Foerster, 1862. Furthermore, Nye & Fletcher (1991) also stated that *Coloneura* Davis, 1964 is a junior homonym of *Coloneura* Foerster, 1862. Unfortunately, there is no objective replacement name at the present. In accordance with article 60 of the International Code of Zoological Nomenclature, fourth edition (1999), I propose for the genus *Coloneura* Davis, 1964 the new replacement name *Neocoloneura* **nom. nov.**

Etymology: from current genus name.

Summary of nomenclatural changes

Neocoloneura **new replacement name** = *Coloneura* Davis, 1964 (non Foerster, 1862).

Neocoloneura fragilis (Barnes & McDunnough, 1916) **comb. nov.** from *Coloneura* Davis, 1964.

Family Hepialidae

Genus *Vietteogorgopis* **nom. nov.**

Paragorgopis Viette, 1951. Ann. naturh. Mus. Wien, 58, 140. (Lepidoptera: Hepialoidea: Hepialidae). Preoccupied by *Paragorgopis* Giglio-Tos, 1893. Boll. Mus. Zool. Anat. comp. Torino, 8, no. 158, 12. (Diptera: Ulidiidae).

Remarks: Firstly, the genus *Paragorgopis* was established by Giglio-Tos, 1893 for the fly family Ulidiidae with the type species *Paragorgopis maculata* Giglio-Tos, 1893. At present, the genus *Paragorgopis* Giglio-Tos, 1893 includes 12 species as *Paragorgopis argyrata* Hendel, 1914; *Paragorgopis cancellata* Hendel, 1909; *Paragorgopis clathrata* Hendel, 1909; *Paragorgopis discrepans* Hendel, 1914; *Paragorgopis euryale* Kameneva, 2004; *Paragorgopis incus* Kameneva, 2004; *Paragorgopis maculata* Giglio-Tos, 1893; *Paragorgopis mallea* Hendel, 1909; *Paragorgopis medusa* Kameneva, 2004; *Paragorgopis schnusei* Hendel, 1909; *Paragorgopis stapes* Kameneva, 2004 and *Paragorgopis stheno* Kameneva, 2004. Later, the genus *Paragorgopus* was proposed by Viette, 1951 for the moth family Hepialidae with the type species *Paragorgopis pittionii* Viette, 1951 by original designation. Furthermore, *Paragorgopis* Viette, 1951, [a junior homonym of *Paragorgopis* Giglio-Tos, 1893 - Diptera] was downgraded to denote a subgenus of *Aepytus* Herrich-Schäffer, [1858] by Nielsen and Robinson, 1983. Also, Nye & Fletcher (1991) stated that *Paragorgopis* Viette, 1951 is a junior homonym of *Paragorgopis* Giglio-Tos, 1893. Unfortunately, there is no objective replacement name at the present. Thus, the name *Paragorgopis* Viette, 1951 is invalid under the law of homonymy, being a junior homonym of *Paragorgopis* Giglio-Tos, 1893. Also, In accordance with article 60 of the International Code of Zoological Nomenclature, I propose to substitute the junior homonym name *Paragorgopis* Viette, 1951 for the **nom. nov.** *Vietteogorgopis*.

Etymology: from Viette who current author name of preexisting genus *Paragorgopis*.

Summary of nomenclatural changes

Vietteogorgopis **new replacement name** = *Paragorgopus* Viette, 1951 (non Giglio-Tos, 1893).

Vietteogorgopis foetterlei (Viette 1951) **comb. nov.** from *Paragorgopis* Viette, 1951.

Vietteogorgopis jordani (Viette 1956) **comb. nov.** from *Paragorgopis* Viette, 1951.

Vietteogorgopis nigrovenosalis (Viette 1956) **comb. nov.** from *Paragorgopis* Viette, 1951.

Vietteogorgopis oreas (Schaus 1892) **comb. nov.** from *Paragorgopis* Viette, 1951.

Vietteogorgopis pittionii (Viette 1951) **comb. nov.** from *Paragorgopis* Viette, 1951.

Vietteogorgopis schausi (Viette 1951) **comb. nov.** from *Paragorgopis* Viette, 1951.

Vietteogorgopis spitzi (Viette 1956) **comb. nov.** from *Paragorgopis* Viette, 1951.

LITERATURE CITED

Blodgett, R. B., Rohr, D. M., Karl, S. M. & Baichtal, J. F. 2001. Early Middle Devonian (Eifelian) Gastropods from the Wadleigh Limestone in the Alexander Terrane of Southeastern Alaska Demonstrate Biogeographic Affinities with Central Alaskan Terranes (Farewell and Livengood) and Eurasia. Studies by the U.S. Geological Survey in Alaska, 2001 U.S. Geological Survey Professional Paper 1678. PDF version. Available

from: http://geopubs.wr.usgs.gov/prof-paper/pp1678/AK2001_Chpt09_alt.pdf. pp. 105-110.

Fletcher, D. S. & Nye, I. W. B. 1984. Generic Names of Moths of the World. Trustees of the British Museum (Natural History), London 5: xv+185 pp.

Foerster, A. 1862. Synopsis der Familien und Gattungen der Braconen. Verb. Naturh. Ver. preuss. Rheinl. 19: 224-288.

Giglio-Tos, E. 1893. Diagnosi di nuovi generi e di nuove specie di Ditteri. IX. Boll. Mus. Zool. Anat. Comp. R. Univ. Torino 8 (158): 14 pp. [1893.07.01]

Gill, E. D. 1950. A study of the Palaeozoic genus *Hercynella*, with description of three species from the Yeringian (Lower Devonian) of Victoria. Proceedings of the Royal Society of Victoria 59: 80-92.

Hampson, G. F. 1899. A revision of the moths of the subfamily Pyraustinae and family Pyralidae. Part 2. Proceedings of the Zoological Society of London 1899: 172-291.

International comission of zoological nomenclature 1999. International Code of Zoological Nomenclature. Fourth Edition. The International Trust for Zoological Nomenclature, London. 306 pp.

Kayser, E. 1878. Die Fauna der ältesten Devon-Ablagerungen des Harzes. Abhandlungen zur geologischen Spezialkarte von Preussen und den Thüringischen Staaten 2:101 Kindle EM 1907. Notes on the Paleozoic faunas and stratigraphy of southeastern Alaska: Journal of Geology, 15: 314-337.

Kříž, J. 2001. Enantiomorphous dimorphism in Silurian and Devonian bivalves; *Maminka* Barrande, 1881 (Lunulacardiidae, Silurian)—the oldest known example. Lethaia 34: 309-322.

Munroe, E. 1961. Synopsis of the North American Odontiinae, with descriptions of new genera and species (Lepidoptera: Pyralidae). Canadian Entomology (Suppl.) 24: 1-93.

Nielsen, E. S. & Robinson, G. S. 1983. Ghost moths of southern South America (Lepidoptera: Hepialidae). Entomograph 4: 1-192.

Nye, I. W. B. & Fletcher, D. S. 1991. The Generic Names of Moths of the World. Volume 6 Microlepidoptera. - Natural History Museum Publications, London, 368 pp.

Pitkin, B. & Jenkins, P. 2004. Butterflies and moths of the world, generic names and their type-species. The Natural History Museum, London. Available from: <http://www.nhm.ac.uk/research-curation/projects/butmoth/> (last updated 05-November - 2004).

Prantl, F. 1960. Die systematische Stellung der Gattung *Hercynella* KAYSER (Pelecypoda). Palaeontologische Zeitschrift 34: 150-153.

Vai, G. B. 1965. Le Devonien inferieur biohermal des Alpes Carniques Centrales. Memoires du Bureau de Recherches Geologiques et Minieres 33:79-80.

Viette, P. E. L. 1951. Contribution a l'étude des Hepialidae (Lepidoptera). 23e note. Ann. Naturh. Mus. Wien, 58: 140-144.