

Introduction

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MYIA is a scientific series devoted to the dissemination of information about flies (order Diptera, Insecta). The series was started by Paul Arnaud of the California Academy of Sciences for material that did not really fit other outlets. The first volume was published in 1979 and several volumes have been published since.

The current MYIA volume contains chapters related to the *Biosystematic Database of World Diptera*, now called *Systema Dipteroorum*. These are eleven chapters dealing with catalogs or checklists, two chapters focusing on important dipterists and two chapters listing the abbreviations for serials and type holdings in the *Systema Dipteroorum*. The *Systema Dipteroorum* database is available online at <http://www.diptera.org>.

Reviewers

David A Barraclough, Irina Brake, Neal L. Evenhuis, Owen Lonsdale, Jan Maca, David K. McAlpine, Andrej L. Ozerov, Lazlo Papp, Adrian C. Pont, Gustavo R. Spinelli, F. Christian Thompson.

Authorship and citation

This is a multi-authored work, different chapters and sections having been written by different combinations of authors. Authorship for various sections is given in a by-line immediately below the title of the appropriate section. The whole work was coordinated by us. Hence, sections without by-lines should be attributed to the editor. As this work appears in a serial, MYIA, separate sections can be cited as parts of the whole or just as independent articles in MYIA. For clarity, the following representative citations are given.

Brake, I. & Thompson, F. C. (eds.) 2011. Contributions to the *Systema Dipteroorum* (Insecta: Diptera). *Myia* 12, viii + 564 pp.

Brake, I. & Thompson, F. C. 2011. Serial abbreviations. Pp. 519-564. In Brake, I. & Thompson, F. C. (eds.). Contributions to the *Systema Dipterorum* (Insecta: Diptera). *Myia* 12, viii + 564 pp.

Brake, I. & Thompson, F. C. 2011. Serial abbreviations. *Myia* 12: 519-564.

Taxonomic changes in this volume

NEW GENUS

Coganodinia Gaimari & Mathis

NEW NAMES

New genus-group names:

Geranopomyia Woodley, for *Geranopus* White, 1916

NEW SYNONYMIES

Genus-group names:

Cactobia James, 1966 = *Cynipimorpha* Brauer, 1882

Calopterella Coquillett, 1910: 616 = *Diastata* Meigen, 1830

Eumenogastrina Enderlein, 1914 = *Sargus* Fabricius, 1798

Gymnorhachicerus Frey, 1954 = *Rachicerus* Walker, 1848

Haplephippium Speiser, 1913 = *Adoxomyia* Kertész, 1907

Melanochroa Brauer, 1882 = *Nothomyia* Loew, 1869

Mixoclitellaria Lindner, 1935 = *Adoxomyia* Kertész, 1907

Spaniomyia Kertész, 1914 = *Caenacantha* Wulp, 1885

Systegnum Enderlein, 1917 = *Oplodontha* Rondani, 1863

Tijucameru Pujol-Luz & Galinkin, 2004 = *Panacris* Gerstaecker, 1857

Species-group names:

Chordonota geniculata Lindner, 1936 = *Chordonota flavitarsis* (Enderlein, 1914)

Eumenogastrina angusta Enderlein, 1914 = *Sargus fasciatus* Fabricius, 1805

Eumenogastrina angusta var. *cupraria* Enderlein, 1914 = *Sargus fasciatus* Fabricius, 1805

Milichia femorata Schiner, 1863 = *Odinia trinotata* Robineau-Desvoidy, 1830

Milichia maculata Meigen, 1830 = *Odinia trinotata* Robineau-Desvoidy, 1830

- Odinia maculata* var. *loewi* Collin, 1952 = *Odinia trinotata* Robineau-Desvoidy, 1830
Odontomyia melantera James, 1939 = *Odontomyia profuscata* Steyskal, 1938
Solva schnitnikowi brunneola Krivosheina, 1999 = *Solva schnitnikowi* Pleske, 1928.
Stratiomyia flavoscutellata Wulp, 1885 = *Stratiomys chamaeleon* (Linnaeus, 1758)
Xylomyia gigas Enderlein, 1921 = *Coenomyiodes edwardsi* Brunetti, 1920.

NEW COMBINATIONS

- Adoxomyia colossula* (Speiser), from *Haplehippium* Speiser
Adoxomyia grisea (Séguy), from *Cormacantha grisea* Enderlein
Adoxomyia maculipennis (Lindner), from *Mixoclitellaria* Lindner
Adoxomyia nubifera (Loew), from *Oxycera* Meigen
Caenacantha liburna (Walker), from *Oxycera* Meigen
Caenacantha obesa (Walker), from *Clitellaria* Meigen
Caenacantha pulchripennis (Brauer), from *Artemita* Walker
Caenacantha soror (Lindner), from *Spaniomyia* Kertész
Coganodinia cornesi (Cogan), from *Turanodinia* Stackelberg
Cynipimorpha opuntiae (James), from *Cactobia* James
Dryope caucasica (Ozerov), from *Neuroctena* Rondani
Dryope decrepita (Zetterstedt), from *Dryomyza* Fallén
Dryope flaveola (Fabricius), from *Musca* Linnaeus
Dryope melanderi (Steyskal), from *Dryomyza* Fallén
Gabaza brunettii (Krivosheina), from *Wallacea* Doleschall
Nothomyia dubia (Brauer), from *Melanochroa* Röder
Oplodontha africana (Enderlein), from *Systegnum* Enderlein
Paratraginops ruwenzoricus (Cogan), from *Traginops* Coquillett
Pezodontina pleuralis (James), from *Hoplistes* Macquart
Rachicerus pilosus (Frey), from *Gymnorhachicerus* Frey
Rachicerus relicta (Frey), from *Paleorachicerus* Nagatomi
Rhis popeae (McAlpine), from *Coelopella* Malloch
Solva devexifrons (Yang & Nagatomi), from *Formosolva* James
Solva planifrons (Yang & Nagatomi), from *Formosolva* James
Solva tuberifrons (Yang & Nagatomi), from *Formosolva* James
Stenomicroa claripennis (Papp), from *Podocera* Czerny
Stenomicroa variegata (Papp), from *Podocera* Czerny
Syndipnomyia armata (Wulp), from *Hermetia* Latreille

NEW CHANGES IN STATUS:

Anacanthaspis japonica Shiraki, elevated to species level
Arthropeas fenestralis Malloch, elevated to species level
Arthropeas semifusca Malloch, elevated to species level
Odinia trinotata Robineau-Desvoidy, resurrected from synonymy
Pachygaster angustifrons Krivosheina, elevated to species level
Paratraginops Hendel, elevated to full genus
Solva flavomaculata (Leonard), resurrected from synonymy
Xylomya tuvensis Krivosheina, elevated to species level
Xylophagus inermis Krivosheina & Krivosheina elevated to species level

LECTOTYPE DESIGNATIONS

Eumenogastrina angusta Enderlein
Melanochroa dubia Brauer
Periscelis annulipes Loew

CORRECTION OF MISIDENTIFICATIONS

Musca frigida of Meigen not Fabricius = *Coelopa pilipes* Haliday, 1838

REVISION OF INCORRECT ORIGINAL SPELLING

Anacanthaspis bifasciata var. *japonica* Shiraki is selected over *A. bifasciata* var. *japonica*
Calopterella Coquillett, 1910: 517 is selected over *Calopterella* Coquillett, 1910: 616
Chrymicrosa Mason is selected over *Chrymichrosa*
Coenomyiodes Brunetti is selected over *Coenomyioides*
Heteracanthia Macquart is selected over *Heleracanthia*
Napemyia illinoensis Webb is selected over *N. illinoensis*
Rachicerus maculipennis Frey is selected over *R. maucilipennis*
Rhis whitleyi McAlpine is selected over *R. whitley*

REVISION OF INCORRECT ORIGINAL COMBINATION

Odontosabula gloriosa Matsumura is selected over *Sabula* (?) *gloriosa*

REMOVAL FROM FAMILY

Odinia peleterii Robineau-Desvoidy, removed from Odiniidae, family placement unknown.