Volume 10 16 January 2009 Issue 1

TORTS

Newsletter of the
Troop of Reputed Tortricid Systematists
ISSN 1945-807X (print)
ISSN 1945-8088 (online)

PROPOSED WORKSHOP ON TORTRICIDAE PHYLOGENY AT EUROPEAN CONGRESS OF LEPIDOPTEROLOGY

The XVIth European Congress of Lepidopterology will be held in Cluj, Romania, 25-30 May 2009. For details, see the meeting website: http://www.soceurlep.eu/congress.html.

With the assistance of Todd Gilligan, I am trying to organize a workshop on the phylogeny of Tortricidae. The primary goal of the workshop is to discuss and fine-tune the exisiting consensus phylogeny for the family based on the tribal and subtribal levels. The secondary goal is to identify putative monophyletic groups of genera within each tribe or subtribe that appear to form a nucleus or foundation for each higher taxon. Where possible, I hope we can reach consensus on putative relationships among genera for some smaller tribes. For example, the phylogeny proposed by Razowski for Tortricini (1966, World Fauna of Tortricini) represents an excellent starting point for reassessing relationships among the genera of this tribe and adding genera described since 1966.

I plan to provide bits and pieces of recently proposed phylogenies within the family, some published and some not. I will try to provide some tribal-level "trees" based on the DNA barcode, the 680 bp piece of the mitochondrial gene COI.

Although our results obviously will reflect a subjective assessment of characters and relationships, they will represent hypotheses against which future molecular and morphological work can be tested.

Please consider joining us in Cluj and sharing your expertise on your favorite taxon.

PROGRESS ON DEVELOPMENT OF TORTRICID E-LIBRARY

Dr. B.-K. Byun has taken the lead on the development/compilation of an "e-library" of reprints on Tortricidae, which we hope to post on the web (tortricid.net) in the very near future. So far he has compiled PDFs of over 270 published papers, exceeding our goal of 250 for the end of 2008.

Because Acta Zoologica Cracoviensia and Polskie Pismo Entomologiczne are now available open access on the web, we should be able to gather a large number of PDFs of papers published in these two journals. Also, for a few of our most prolific authors from the past (e.g., Diakonoff, Obraztsov), we should be able to scan most of their papers because they are no longer covered by copyright restrictions.

If you have submitted PDFs, thanks very much! If you haven't, please consider sending PDFs of your papers on Tortricidae to Dr.

Byun. If you have questions, please contact me or B.-K. Byun (bkbyun@foa.go.kr). Thanks for your contributions – keep them coming.

REVIEWS OF RECENTLY PUBLISHED BOOKS

Tortricidae of the Palaearctic Region. Volume 1. General Part and Tortricini, by Józef Razowski. 2008. 30 x 21.5 cm, hardcover, 152 pages, 8 color plates of adults, 26 plates of genitalia drawings. Published by Frantisek Slamka, Bratislava, Slovakia; e-mail: f.slamka@nextra.sk. Price $110 US/70 euros. ISBN: 978-80-969052-4-9.

As the author (or co-author) of nearly 1,500 species and 260 genera of tortricid moths, Józef Razowski is far and away the most prolific worker in Tortricidae in the modern era. His contributions to our knowledge of the diversity and systematics of leaf-roller moths over the past 40 years rival the prodigious taxonomic accomplishments of Meyrick and Walsingham in the first part of the 20th century. Razowski's documentation through descriptions of the vast diversity of the Neotropics represents a significant antidote to the "taxonomic impediment."

Over the last decade or so there has been a noticeable shift in his work, not in its focus, but in the preponderance of co-authored papers (e.g., Razowski & Becker 2007a, b; Razowski & Brown 2004, 2005; Razowski & Pelz 2004a, b, c, 2005a, b, c, 2006a, b, 2007a, b, c; Razowski & Wojtusiak 2002, 2004a, b, 2006a, b), as he has shared generously his expertise with an array of co-workers. He also has produced a variety of more "synthetic" or popular treatments, starting with "Die Tortriciden (Lepidoptera, Tortricidae) Mitteleuropas" (Razowski 2001). His most recent book, Palaearctic Tortricidae, volume 1, the subject of this review, continues along these lines.

This book is the first in a proposed six-part series that will treat the leaf-rollers of the entire Palaearctic, an area that stretches from Sweden to northern Africa, from Siberia to southern China, and from the Atlantic to the Pacific. This vast area may support 25-30% of the world fauna of Tortricidae, which totals just over 9,100 described species (Brown 2005).

The book has two main sections: "General Part" and "Systematic Part." The General Part includes Introduction, Historical Review, Morphology, Biology, Economic Importance, Faunistics, Distribution and Zoogeography, The Non-Palaearctic Tribes, and Phylogeny and System. For me, highlights of the General Part include (1) the collection of photographs or drawings (i.e., portraits) of systematists (from C. Linnaeus to I. Common) whose works have had a significant impact on the study of Tortricidae, accompanied by very brief biographic sketches; (2) an extremely thorough review of the morphology of adults and larvae, generously illustrated with drawings, photographs, and scanning electron micrographs; and (3) a brief overview of pest species. [The last obviously reflects my bias as an agricultural entomologist, and others may find this section less interesting.] A classification is proposed, consistent with the general consensus that has emerged over the last decade or so, and there is a list of all known family-level taxa.

The Systematic Part of the volume, the bulk of the book, is devoted to Tortricini, but it also includes a summary of features that define the subfamily Tortricinae. For each of the 164 treated species there is a reference to the original description, including type locality and deposition of the type; a diagnosis; a description, including details of wing pattern and genitalia; notes on early stages; a short section on biology; and distribution, providing the geographic range and zoogeographic affinity. For species represented by numerous forms (e. g., *Acleris hastiana*, *A. cristata*),

references to the descriptions of all forms are provided.

In the plates, adults (body and right fore- and hindwing) of all species are beautifully illustrated in color, with multiple images of species that exhibit variation, which is common in this tribe. All images are the same size regardless of the size of the animals. Line drawings of the male and female genitalia in typical Razowski style are provided for each species. Several representative species of each of the non-Palaearctic tribes also are illustrated with adult images (2 full plates) and genitalia, and this adds a definite "global" aspect to this first volume of the series.

I imagine that this series will accomplish for Tortricidae what the Moths of America North of Mexico (a.k.a. MONA) was intended to do for the moth fauna of the U.S. and Mexico. Razowski's (2002, 2003) Tortricidae of Europe already meets this need for Europe. Unfortunately, no MONA fascicles on Tortricidae have yet been published. In defense of North American tortricologists, much of the North American fauna remains to be collected and/or described, which has slowed progress considerably. Because Razowski's new Palaearctic series will include Europe, there will be considerable overlap with his treatment of the European fauna (i.e., Razowski 2002, 2003). Hence, if you invest in the new series, it won't be necessary to back-order the two-volume European set!

In general, the layout of the book is attractive, with well defined, bolded headings, and there is little or no wasted space. Species are numbered sequentially, and illustrations of genitalia and adults are linked to that numbering system. The appendix appears to be thorough. The paper and binding seem to be of high quality; the book is hard cover. I noticed a few very trivial inconsistencies in format. For example, in a number of species accounts "Male genitalia" and/or "Female genitalia" are bolded (e.g., page 55, 56, 59), but in the remainder they are not. There are scattered trivial errors in punctuation and grammar, but these are few and do not detract from the overall presentation. Also, I prefer a measurement of "forewing length" to the "wing span" used by Razowski. But these are all trivial criticisms.

Tortricidae of the Palaearctic Region is an exceedingly ambitious project that no one but Razowski would even consider. However, given his productivity over the past few decades, there is little doubt the project will reach fruition. Volume one is a fine piece of scholarly work by the master on this taxon. For those interested in leaf-rollers, this first volume is a must-have. It represents the beginning of the "collection" and will make a fine companion to the Tortricidae of Europe.

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Razowski, J. 2003. Tortricidae of Europe. Volume 2. Olethreutinae. Frantisek Slamka, Bratislava, 304 pp.

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Razowski, J. & V. Pelz. 2005b. *Exoletuncus* Razowski, 1988 from Ecuador, with description of seven species (Lepidoptera: Tortricidae, Euliini). SHILAP Revista de Lepidopterologia 33: 327-339.

Razowski, J. and V. Pelz. 2005c. New species of *Gorytvesica* Razowski, 1997 and *Transtillaspis* Razowski, 1987 (Lepidoptera: Tortricidae: Euliini) from Ecuador. Acta Zoologica Cracoviensia 48B: 57-94.

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Razowski J. & J. Wojtusiak. 2004b. Some data on sensilla and sculpture of antenna in adult Tortricidae (Insecta: Lepidoptera). Genus 15 (2): 257-266.

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Olethreutinae Moths of the Midwestern United States, An Identification Guide, by T. M. Gilligan, D. J. Wright, and L. D. Gibson. 2008. Ohio Biological Survey Bulletin, New Series, Volume XVI, Number 2. vii + 334 pp. ISSN: 0078-3994; ISBN-13 978-0-86727-160-7. Size: 8.5 x 11 inches; hardbound. Price: $75.00 ; e-mail: ohiobiosurvey@rrohio.com

This new tortricid book is aptly dedicated to William ("Bill") Miller, whose career as a U.S. Forest Service entomologist allowed him to study Tortricidae, with an emphasis on the middle portion of the U.S. Bill played a critical role during the second half of the 20th century documenting the North American fauna, resolving taxonomic and nomenclatural problems, and training the next generation of Lepidoptera systematists as an adjunct professor at the University of Minnesota. It is a great pleasure to see that Bill's generosity, superb mentorship, and meticulous contributions to our knowledge of Nearctic Tortricidae have not gone unnoticed and/or unappreciated. With those accolades out of the way, let's get to the business at hand.

Olethreutinae Moths of the Midwestern United States is an extremely attractive product, but don't judge this book just by its cover. Inside it is packed with highly relevant factoids and details including outstanding reviews of tortricid morphology, taxonomy, biology, and early stages, all accompanied by exquisite illustrations. Pretty and smart! Much

of the credit for the overall appearance goes to Todd Gilligan, whose computer and graphic skills rival his taxonomic expertise!

The book is billed as an identification guide to olethreutine moths that occur in the midwestern portion of the United States, but it is much more than that. It treats 306 species, representing over a third of the Nearctic fauna of the subfamily, and includes more than 420 photographs of adults and 650 photographs of genitalia. The book is divided into three parts. Part I includes an overview of the subfamily, a collection of biographical sketches of individuals who made considerable contributions to our knowledge of Nearctic olethreutines, and a section on morphology. Part II is the bulk of the book, with detailed accounts for each species, accompanied by a large color image of the adult. For some of the species that exhibit variation, there is more than one image. The text of the species accounts includes size, flight period, geographic distribution, biology, and notes on distinctive features. Part III is an overview of the immature stages, contributed by Steven Passoa. It features illustrations of olethreutine eggs, larvae, and pupae; a brief discussion of these stages; and basic information on rearing adults from eggs and larvae. A key to the larvae of some commonly encountered species and genera also is provided.

The book is a handsome, thorough, and well-crafted contribution. The layout and format are superb, and the color images of adult moths are excellent. Although most of the photographs of the genitalia are crisp and clear, a few images of the female genitalia are a bit fuzzy (e.g., figs. 27b, 30a). But in these cases, outstanding close-ups of the critical details are presented for the "fuzzy" and related species. Also, in my copy of the book there is an annoying little white line on figures 134a and 144b, probably introduced by the printer.

Although the taxonomic coverage is the same as Miller's (1987) "Olethreutinae Moths of Midland North America," the geographic coverage is highly complementary with that work. Miller's treatment included Michigan, Wisconsin, and Minnesota, whereas Gilligan et al. cover the southern portions of the those states, plus Ohio, Kentucky, Indiana, Illinois, Missouri, Iowa, and the eastern halves of South Dakota, Nebraska, and Kansas.

The technical information presented in the book is of high quality, and there are few, if any, shortcomings. The standardized headings in each species account allow easy access to the most important features. The authors have done an excellent job of searching through the vast tortricid literature for details on the life history and early stages of the treated species.

A very trivial criticism of the book is the considerable amount of blank space, usually at the end of a genus (e.g., pages 52, 79, 89, 179, 184), often over half a page. However, it is clear that the format dictates such blank space so that each genus starts on a new page. Also, the five full plates of animals at natural size immediately preceding the species accounts seem slightly redundant with the illustrations of adults presented throughout the book. Again, it is easy to see the value of the plates – to provide a context to compare relative size, wing shape, color, and maculation. A common but welcome contemporary trend in scientific publications is to be more "image-rich," and in that regard, this book is right on target.

With the exception of Miller (1987), this book is the first treatment of a large portion of the North American tortricid fauna since Heinrich's (1923, 1926) revisions of Olethreutinae….and it is well worth the wait! The book is destined to become a standard reference for anyone interested in Olethreutinae. And just like Bradley et al.'s (1979) treatment of the British olethreutines, its use will not be restricted to those interested only in North America. Anyone who collects, studies, or tries to identify microlepidoptera should own a copy; at 75 bucks, it's a bargain. Todd Gilli-

gan, Don Wright, and Loran Gibson are to be congratulated on this major contribution to tortricology, which will prove invaluable to professionals and amateurs alike.

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THE PASSING OF V.I. KUZNETZOV

Dr. V. I. Kuznetzov, the premier tortricid worker in the former Soviet Union for nearly five decades, died on 22 August 2008. He was a prominent figure in our tortricid community, and served as a curator at the Zoological Institute, Russian Academy of Sciences, St. Petersburg for many years. Dr. Kuznetzov is probably best known for his contributions (with co-author A. A. Stekolnikov) to the phylogeny of Tortricidae based primarily on musculature of the male genitalia. These groundbreaking works had impact at the global level.

Dr. Kuznetzov was the author (or co-author) of about 30 genera and 290 species of Tortricidae, but he also described hundreds of species in other families. He will be missed by his colleaugues worldwide.

TAXONOMIC ADDITIONS AND CHANGES PROPOSED IN 2007

Below is a list of the new species and new genera proposed in 2007, followed by a list of new synonyms and new combinations, followed by the literature that supports the proposed additions and changes.

Aethes

pinara Razowski and Becker, 2007 (*Aethes*), SHILAP Revta. Lepid. 35: 76. TL: Cuba (Pinar Rio, Sierra Rosario). Holotype (♂): VBC.

Amorbia

cacao Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 30. TL: Costa Rica (Gunacaste, Estación Cacao). Holotype (♂): INBio.

catarina Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 16. TL: Brazil (Santa Catarina, New Bremen). Holotype (♂): USNM.

chiapas Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 25. TL: Mexico (Chiapas, San Cristobal de las Casas). Holotype (♂): VBC.

cocori Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 34. TL: Costa Rica (Puntarenas, Area de Conservación Osa, Golfito, Parque Nacional Corcovado, Esaction Sirena). Holotype (♂): INBio.

cordobana Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 42. TL: Mexico (Veracruz, Banderilla). Holotype (♂): EME.

curitiba Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 12. TL: Brazil (Paraná, Cuiritba). Holotype (♂): VBC.

dominicana Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 14. TL: Dominica,

West Indies (Clarke Hall). Holotype (♂): USNM.

knudsoni Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 28. TL: USA (Texas, Brewster Co., Big Bend National Park, Green Gulch). Holotype (♂): USNM.

monteverde Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 45. TL: Costa Rica (Puntarenas, Monteverde). Holotype (♂): EME.

potosiana Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 26. TL: Mexico (Nuevo Leon, Cerro Potosí). Holotype (♂): VBC.

rhombobasis Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 43. TL: Costa Rica (Guanacaste, Area de Conservación Arenal, Pilon, Bijagua-Upala, Río Celeste). Holotype (♂): INBio.

santamaria Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 24. TL: Guatemala (Quetzaltenango, Volcan Santa Maria). Holotype (♂): USNM.

stenovalvae Phillips and Powell, 2007 (*Amorbia*), Zootaxa 1670: 13. TL: Mexico (Oaxaca, Paradero de Mi Ka, Yolox). Holotype (♂): EME.

Anacrucis

napoensis Razowski & Pelz, 2007 (*Anacrucis*), Nachr. Entomol. Ver. Apollo 28: 30. TL: Ecuador (Napo, 10 km SSE Cosanga). Holotype (♂): SMFL.

Argepinotia

Argepinotia Razowski & Pelz, 2007, Polskie Pismo Entomologiczne 76: 15. Type species: *Argepinotia villosa* Razowski & Pelz, 2007. [Olethreutinae: Eucosmini]

villosa Razowski & Pelz, 2007 (*Argepinotia*), Polskie Pismo Entomologiczne 76: 16. TL: Argentina (Tucumán, San Javier). Holotype (♂): SMFM.

Auratonota

angustovalva Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 52. TL: Ecuador (Zamora-Chinchipe, 22 km E Loja, P.N. Podocarpus, San Francisco Ranger Station). Holotype (♂): SMFM.

argentana Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 52. TL: Ecuador (Loja, 10 km SE Loja, P.N. Podocarpus, Cajanuma Ranger Station). Holotype (♂): SMFM.

auriferana Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 55. TL: Ecuador (Tungurahua, 17 km E Baños, Rio Verde). Holotype (♀): SMFM.

bacata Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 54. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFM.

brachuncus Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 56. TL: Ecuador (Loja, 10 km SE Loja, P.N. Podocarpus, Cajanuma Ranger Station). Holotype (♂): SMFM.

caeruleata Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 58. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFM.

caliginosa Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 58. TL: Ecuador (Morona-Santiago, Macas, Proaño>Alshi, 5 mi S Alshi). Holotype (♂): SMFM.

caeruleata Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 58. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFM.

croceana Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 58. TL: Ecuador (Napo, 10 km SE Cosanga). Holotype (♀): SMFM.

pichincha Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 58. TL: Ecuador (Pichincha, 7 km NW Mindo, Sachatamia). Holotype (♂): SMFM.

rutra Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 57. TL: Ecuador (Morona-Santiago, Macas, Proaño>Inapula, CREA-Domono). Holotype (♂): SMFM.

siskae Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 55. TL: Ecuador (Napo, 12 km SSE Cosanga). Holotype (♂): SMFM.

yukipana Razowski & Pelz, 2007 (*Auratonota*), Entomologische Zeitschrift 117: 56. TL: Ecuador (Morona-Santiago, Macas, San Vicente, Rio Yukipa). Holotype (♂): SMFM.

Bidorpitia

ferruginata Razowski & Pelz, 2007 (*Bidorpitia*), SHILAP Revista Lepidopterologia 35: 39. TL: Ecuador (Pastaza, 11 km N Puyo, La Florida). Holotype (♂): SMFM.

Caraccochylis

Caraccochylis Razowski and Becker, 2007, Acta Zool. Cracoviensia 50B: 112. Type species: *Caraccochylis framea* Razowski & Becker, 2007. [Tortricinae: Cochylini]

framea Razowski and Becker, 2007 (*Caraccochylis*), Acta Zool. Cracoviensia 50B: 112. TL: Brazil (Minas Gerais, Caraca). Holotype (♂): VBC.

Choristoneura

irina Syachina & Budashkin, 2007 (*Choristoneura*), in Dubatolov, Syachina & Budashkin, Animal World of Far East (Blagoveshchensk) 6: 71. TL: Russia (Khabarovskii krai, Great Khekhtsyr Nature Reserve, Bychikha). Holotype (♂): Siberian Museum of the Institute of Animal Systematics and Ecology, RAS, Novosibirsk, Russia.

Clarkeulia

medanosa Razowski & Pelz, 2007 (*Clarkeulia*), Polskie Pismo Entomologiczne 76: 12. TL: Argentina (Salta Los Medanos, 5 km E Cafayate). Holotype (♂): SMFM.

Cochylis

serrana Razowski and Becker, 2007 (*Cochylis*), Acta Zool. Cracoviensa 50B: 113. TL: Brazil (Minas Gerais, Serra do Cipó). Holotype (♂): VBC.

sierramaestrae Razowski and Becker, 2007 (*Cochylis*), SHILAP Revista Lepidopterologia 35: 76. TL: Cuba (Santiago, Sierra Maestra P. Cuba). Holotype (♂): VBC.

Cuproxena

aequitana Razowski & Pelz, 2007 (*Cuproxena*), SHILAP Revista Lepidopterologia 35: 38. TL: Ecuador (Napo, 10 km SSE Cosanga). Holotype (♂): SMFM.

amplana Razowski & Pelz, 2007 (*Cuproxena*), SHILAP Revista Lepidopterologia 35: 36. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFM.

auriculana Razowski & Pelz, 2007 (*Cuproxena*), SHILAP Revista Lepidopterologia 35: 37. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFM.

nudana Razowski & Pelz, 2007 (*Cuproxena*), SHILAP Revista Lepidopterologia 35: 37. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFM.

paramplana Razowski & Pelz, 2007 (*Cuproxena*), SHILAP Revista Lepidopterologia 35: 39. TL: Ecuador (Morona-Santiago, Macas, Proaño>Alshi, 5 km S Alshi). Holotype (♂): SMFM.

Deltophania

indanzae Razowski & Becker, 2007 (*Deltophania*), Acta Zool. Cracoviensia 50B (2): 111. TL: Ecuador (Morona, Indanza). Holotype (♂): VBC.

Diablo

Diablo Razowski & Pelz, 2007, Entomol. Zeit. 117: 129. Type species: *Diablo diantoniorum* Razowski & Pelz, 2007. [Chlidanotinae: Chlidanotini]

diantoniorum Razowski & Pelz, 2007 (*Diablo*), Entomol. Zeit. 117: 129. TL: Ecuador (Tungurahua, 17 km E Baños, Rio Verde). Holotype (♂): SMFM.

Dichrorampha

odorata Brown & Zachariades, 2007 (*Dichrorampha*), Proceedings of the Entomological Society of Washington 109: 939. TL: Jamaica (Jackson Town). Holotype (♂): Institute of Jamaica, Kingston.

Dimorphopalpa

lyonsae Razowski & Pelz, 2007 (*Dimorphopalpa*), Polskie Pismo Entomologiczne 76: 332. TL: Ecuador (Pichincha, 2.5 km SE Santa Rosa, Reserva Las Gralarias). Holotype (♂): SMFM.

rutruncus Razowski & Pelz, 2007 (*Dimorphopalpa*), Polskie Pismo Entomologiczne 76: 332. TL: Ecuador (Napo, 12 km SSE Cosanga). Holotype (♂): SMFM.

Epinotia

javierana Razowski & Pelz, 2007 (*Epinotia*), Polskie Pismo Entomologiczne 76: 14. TL: Argentina (Tucumán, San Javier). Holotype (♂): SMFM.

Eucosma

curlewensis Wright, 2007 (*Eucosma*), Journal of the Lepidopterists' Society 61: 47. TL: USA (Idaho, Oneida Co., Curlew National Grassland, 4 mi ENE of Holbrook). Holotype (♂): USNM.

Eugnosta

cipoana Razowski & Becker, 2007 (*Eugnosta*), Acta Zool. Cracoviensia 50B (2): 108. TL: Brazil (Minas Gerais, Serra do Cipo). Holotype (♂): VBC.

ensinoana Razowski & Becker, 2007 (*Eugnosta*), Acta Zool. Cracoviensia 50B (2): 107. TL: Mexico (Tamaulipas, El Ensino). Holotype (♂): VBC.

fernandoana Razowski & Becker, 2007 (*Eugnosta*), Acta Zool. Cracoviensia 50B (2): 109. TL: Mexico (Tamaulipas, San Fernando). Holotype (♂): VBC.

fradulenta Razowski and Becker, 2007 (*Eugnosta*), SHILAP Revista Lepidopterologia 35: 74. TL: British West Indies. Holotype (♂): AMNH.

jequiena Razowski & Becker, 2007 (*Eugnosta*), Acta Zool. Cracoviensia 50B (2): 108. TL: Brazil (Bahia, Jequie). Holotype (♂): VBC.

telemacana Razowski & Becker, 2007 (*Eugnosta*), Acta Zool. Cracoviensia 50B (2): 110. TL: Brazil (Paraná, Telemaco Borba). Holotype (♂): VBC.

Heleanna

tokyoensis Nasu & Byun, 2007 (*Heleanna*), Trans. Lepid. Soc. Japan 58: 384. TL: Japan (Ryukyu, Okinawaima Island, Kunigami-son, Yona). Holotype (♂): UOP.

turpinivora Nasu & Byun, 2007 (*Heleanna*), Trans. Lepid. Soc. Japan 58: 380. TL: Japan (Honshu, Tokyo, Garden of the Imperial Palace). Holotype (♂): National Science Museum, Tokyo, Japan.

Henricus

bibelonus Razowski & Becker, 2007 (*Henricus*), Acta Zool. Cracoviensia 50B: 92. TL: Ecuador (Carchi, Maldonado). Holotype (♂): VBC.

bleptus Razowski & Becker, 2007 (*Henricus*), Acta Zool. Cracoviensia 50B: 94. TL: Ecuador (Carchi, Maldonado). Holotype (♂): VBC.

cuspis Razowski & Becker, 2007 (*Henricus*), Acta Zool. Cracoviensia 50B: 93. TL: Ecuador (Carchi, Maldonado). Holotype (♂): VBC.

perissus Razowski & Becker, 2007 (*Henricus*), Acta Zool. Cracoviensia 50B: 94. TL: Ecuador (Carchi, Maldonado). Holotype (♂): VBC.

platanillanus Razowski & Becker, 2007 (*Henricus*), Acta Zool. Cracoviensia 50B: 93. TL: Mexico (San Luis Potosí, El Platanillo). Holotype (♂): VBC.

Histura

brunneotypa Razowski & Pelz, 2007 (*Histura*), Polskie Pismo Entomol. 76: 13. TL: Argentina (Tucuman, San Javier). Holotype (♂): SMFM.

Holoptygma

sarahpelzae Razowski & Pelz, 2007 (*Holoptygma*), Nachr. Entomol. Ver. Apollo 28: 32. TL: Ecuador (Pichincha, 7 km NW Mindo, Sachatamia). Holotype (♂): SMFL.

Hynhamia

conceptionana Razowski & Pelz, 2007 (*Hynhamia*), Polskie Pismo Entomol. 76: 26. TL: Ecuador (Tungurahua, Ambato, La Concepcion). Holotype (♂): SMFM.

decora Razowski & Pelz, 2007 (*Hynhamia*), Polskie Pismo Entomol. 76: 26. TL: Ecuador (Pichincha, 7 km NW Mindo, Sachatamia). Holotype (♂): SMFM.

lasgralariae Razowski & Pelz, 2007 (*Hynhamia*), Polskie Pismo Entomol. 76: 24. TL: Ecuador (Pichincha, 2.5 km SE Santa Rosa). Holotype (♂): SMFM.

micruncus Razowski & Pelz, 2007 (*Hynhamia*), Polskie Pismo Entomol. 76: 28. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFM.

nogropunctana Razowski & Pelz, 2007 (*Hynhamia*), Polskie Pismo Entomol. 76: 27. TL: Ecuador (Loja, 10 km SE Loja, Parque

Nacional Podocarpus, Cajanuma Ranger Station). Holotype (♂): SMFM.

obscurana Razowski & Pelz, 2007 (*Hynhamia*), Polskie Pismo Entomol. 76: 25. TL: Ecuador (Loja, 10 km SE Loja, Parque Nacional Podocarpus, Cajanuma Ranger Station). Holotype (♂): SMFM.

Lambertiodes

multipunctata Wang & Li, 2007 (*Lambertiodes*), Entomological News 118: 398. TL: China (Mêdog County, Tibet). Holotype (♂): Nankai University, Tianjin, China (NKUM).

Lasiothyris

exocha Razowski and Becker, 2007 (*Lasiothyris*), Acta Zool. Cracoviensia 50B: 100. TL: Ecuador (Carchi, Maldonado). Holotype (♂): VBC.

guanana Razowski and Becker, 2007 (*Lasiothyris*), SHILAP Revista Lepidopterologia 35: 72. TL: British Virgin Islands (Guana Island). Holotype (♂): VBC.

puertoricana Razowski and Becker, 2007 (*Lasiothyris*), SHILAP Revista Lepidopterologia 35: 73. TL: Puerto Rico (Maricao). Holotype (♂): VBC.

subsorbia Razowski and Becker, 2007 (*Lasiothyris*), SHILAP Revista Lepidopterologia 35: 72. TL: Cuba (Holguin, Mayari). Holotype (♂): VBC.

Lorita

insulicola Razowski and Becker, 2007 (*Lorita*), SHILAP Revista Lepidopterologia 35: 75. TL: British Virgin Islands (Guana Island). Holotype (♂): VBC.

Lusterala

Lusterala Brown & Nishida, 2007, Proceedings of the Entomological Society of Washington 109: 266. Type species: *Luterala phaseolana* Brown & Nishida, 2007. [Olethreutinae: Grapholitini]

phaseolana Brown & Nishida, 2007 (*Lusterala*), Proceedings of the Entomological Society of Washington 109: 270. TL: Costa Rica (San José, Aserri Centro). Holotype (♂): USNM.

Macasinia

vilhena Razowski and Becker, 2007 (*Macasinia*), Acta Zool. Cracoviensia 50B: 101. TL: Brazil (Rondônia, Vilhena). Holotype (♂): VBC.

Macrochlidia

azuayana Razowski & Pelz, 2007 (*Macrochlidia*), Entomol. Zeit. 117: 129. TL: Ecuador (Azuay, P.N. Cajas, Laguna Llaviuco). Holotype (♂): SMFM.

leucoatra Razowski & Pelz, 2007 (*Macrochlidia*), Entomol. Zeit. 117: 129. TL: Ecuador (Zamora-Chinchipe, 22 km E Loja, P.N. Podocarpus, San Francisco Ranger Station). Holotype (♂): SMFM.

Maricaona

Maricaona Razowski and Becker, 2007, SHILAP Revista Lepidopterologia 35: 68. Type species: *Maricaona maricaonana* Razowski and Becker, 2007. [Tortricinae: Cochylini]

maricaonana Razowski and Becker, 2007 (*Maricaona*), SHILAP Revista Lepidopterologia 35: 69. TL: Puerto Rico (Maricao). Holotype (♂): VBC.

Marylinka

secunda Razowski & Becker, 2007 (*Marylinka*), Acta Zool. Cracoviensia 50B: 96. TL: Brazil (Santa Catarina, Sao Joaquim). Holotype (♂): VBC.

Matsumuraeses

medogensis Lv & Li, 2007 (*Matsumuraeses*), Zootaxa 1606: 66. TL: China (Mêdog County, Xizang [Tibet] Autonomous Region). Holotype (♂): Nankai University, Tianjin, China (NKUM).

Monortha

bellavistana Razowski & Pelz, 2007 (*Monortha*), Entomol. Zeit. 117: 130. TL: Ecuador (Pichincha, 7 km SW Tandayapa, Bellavista Research Station). Holotype (♂): SMFM.

jurumbaino Razowski & Pelz, 2007 (*Monortha*), Entomol. Zeit. 117: 130. TL: Ecuador (Morona-Santiago, Macas, Gral. Proaño, Rio Jurumbaino). Holotype (♂): SMFM.

povedai Razowski & Pelz, 2007 (*Monortha*), Entomol. Zeit. 117: 131. TL: Ecuador (Tungurahua, 17 km E Baños, Río Verde). Holotype (♂): SMFM.

Neoanathamna

robusticerivcis Zhang & Li, 2007 (*Neoanathamna*), Oriental Insects 41: 296. TL: China (Shaanxi Province, Ankang County, Mt. Hualong). Holotype (♂): Nankai University, Tianjin, China (NKUM).

Nuritamburia

Nuritamburia Koçak & Kemal, 2007, Centre for Entomological Studies Miscellaneous Papers 105: 3. [replacement name for *Bradleyella* Zimmermann 1978]

Orthocomotis

albobasalis Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 6. TL: Ecuador (Loja, 10 km SE Loja, P.N. Podocarpus, Cajanuma Ranger Station). Holotype (♂): SMFL.

alishiana Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 13. TL: Ecuador (Morona-Santiago, Macas, Proano Alshi, 5 km S Alshi). Holotype (♂): SMFL.

andina Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 5. TL: Ecuador (Napo, 12 km SSE Cosanga). Holotype (♂): SMFL.

carolina Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 7. TL: Ecuador (Carchi, Reserva Forestal Golondrinas, West Cordillera). Holotype (♂): SMFL.

consangana Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 11. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFL.

ferruginea Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 7. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFL.

gielisi Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 9. TL: Ecuador (Napo, 12 km SSE Cosanga). Holotype (♂): SMFL.

golindrina Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 5. TL: Ecuador (Carchi, Reserva Forestal

Golondrinas, West Cordillera). Holotype (♂): SMFL.

lactistrigata Razowski & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 4. TL: Ecuador (Carchi, Reserva Forestal Golondrinas, West Cordillera). Holotype (♂): SMFL.

mediana Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 11. TL: Ecuador (Tungurahua, 20 km E Baños, San Francisco). Holotype (♂): SMFL.

pactoana Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 10. TL: Ecuador (Pichincha, Pacto, Rio Mashpi). Holotype (♂): SMFL.

parexpansa Razowski & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 4. TL: Ecuador (Carchi, Reserva Forestal Golondrinas, West Cordillera). Holotype (♂): SMFL.

puyoana Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 8. TL: Ecuador (Pastaza, 10 km N Puyo). Holotype (♂): SMFL.

sachatamiae Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracov-iensia 50B: 3. TL: Ecuador (Pichincha, 7 km NW Mindo, Sachatamia). Holotype (♂): SMFL.

shuara Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 5. TL: Ecuador (Marona-Santiago, Macas, Proano>Inapula). Holotype (♂): SMFL.

sucumbiana Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 12. TL: Ecuador (Sucumbios, Rio Chigual, La Bonita). Holotype (♂): SMFL.

yanayacu Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 5. TL: Ecuador (Napo, Cosanga, Reserva Yanayacu). Holotype (♂): SMFL.

volochilesia Razowski, Pelz & Wojtusiak, 2007 (*Orthocomotis*), Acta Zoologica Cracoviensia 50B: 5. TL: Ecuador (Carchi, Volcan Chiles massive, Reserva Forestal Golondrinas). Holotype (♂): SMFL.

Paranthozela

Paranthozela Razowski & Wojtusiak, 2007, Polskie Pismo Entomol. 76: 168. Type species: *Paranthozela calamsitrana* Razowski & Wojtusiak, 2007.

calamistrana Razowski & Wojtusiak, 2007 (*Paranthozela*), Polskie Pismo Entomologiczne 76: 172. TL: Ecuador (Pichincha, Pacto, Rio Mashpi). Holotype (♂): MZUJ.

lobulina Razowski & Wojtusiak, 2007 (*Paranthozela*), Polskie Pismo Entomologiczne 76: 173. TL: Ecuador (Copaxi, Via La Maná, Pilaló). Holotype (♂): MZUJ.

polyasterina Razowski & Wojtusiak, 2007 (*Paranthozela*), Polskie Pismo Entomologiczne 76: 171. TL: Ecuador (Pichincha, Pacto, Rio Mashpi). Holotype (♂): MZUJ.

spiloma Razowski & Wojtusiak, 2007 (*Paranthozela*), Polskie Pismo Entomologiczne 76: 1709. TL: Ecuador (Sucumbios, Rio Chingual, La Bonita). Holotype (♂): MZUJ.

stilbia Razowski & Wojtusiak, 2007 (*Paranthozela*), Polskie Pismo Entomologiczne 76: 170. TL: Ecuador (Carchi, Res. Forest. Golondinas, West Cordillera). Holotype (♂): MZUJ.

zopheria Razowski & Wojtusiak, 2007 (*Paranthozela*), Polskie Pismo Entomologiczne 76: 169. TL: Ecuador (Cotopaxi, Via Maná, Pilaló). Holotype (♂): MZUJ.

Parirazona

bomana Razowski & Becker, 2007 (*Parirazona*), Acta Zool. Cracoviensia 50B: 95. TL: Brazil (Santa Catarina, Bom Jardin de Serra). Holotype (♂): VBC.

caracae Razowski & Becker, 2007 (*Parirazona*), Acta Zool. Cracoviensia 50B: 95. TL: Brazil (Minas Gerais, Caraca). Holotype (♂): VBC.

Pelochrista

gelattana Wright, 2007 (*Pelochrista*), Journal of the Lepidopterists' Society 61: 121. TL: USA (Wyoming, Albany Co., W side of Gelatt Lake). Holotype (♂): USNM.

milleri Wright, 2007 (*Pelochrista*), Journal of the Lepidopterists' Society 61: 84. TL: USA (Ohio, Adams Co., 1 mi SE of Lynx). Holotype (♂): USNM.

Phaniola

caboana Razowski & Becker, 2007 (*Phaniola*), Acta Zool. Cracoviensia 50B: 111. TL: Brazil (Rio de Janiero, Arraial do Cabo). Holotype (♂): VBC.

Phalonidia

cerina Razowski & Becker, 2007 (*Phalonidia*), Acta Zool. Cracoviensia 50B: 99. TL: Brazil (Espiritu Santo, Linhares). Holotype (♀): VBC.

fariasana Razowski & Becker, 2007 (*Phalonidia*), Acta Zool. Cracoviensia 50B: 97. TL: Mexico (Tamaulipas, Gomez Farias). Holotype (♂): VBC.

linharesa Razowski & Becker, 2007 (*Phalonidia*), Acta Zool. Cracoviensia 50B: 96. TL: Brazil (Espiritu Santo, Linhares). Holotype (♂): VBC.

mayarina Razowski and Becker, 2007 (*Phalonidia*), SHILAP Revsita Lepidopterologia 35: 69. TL: Cuba (Holguin, Mayari). Holotype (♂): VBC.

monocera Razowski & Becker, 2007 (*Phalonidia*), Acta Zool. Cracoviensia 50B: 98. TL: Brazil (Santa Catarina, Sao Joaquim). Holotype (♂): VBC.

Planaltinella

chapadana Razowski and Becker, 2007 (*Planaltinella*), Acta Zool. Cracoviensia 50B: 105. TL: Brazil (Minas Gerais, Diamantina Estr. Guinda – S. Joao Chapada). Holotype (♂): VBC.

psephena Razowski and Becker, 2007 (*Planaltinella*), Acta Zool. Cracoviensia 50B: 106. TL: Brazil (Minas Gerais, Serra do Cipo). Holotype (♂): VBC.

Platphalonidia

holgina Razowski and Becker, 2007 (*Platphalonidia*), SHILAP Revista Lepidopterologia 35: 72. TL: Cuba (Holguin Mayari). Holotype (♂): VBC.

remissa Razowski and Becker, 2007 (*Platphalonidia*), SHILAP Revista Lepidopterologia 35: 72. TL: Cuba (Holguin Mayari). Holotype (♂): VBC.

Ptyongnathosia

pectinata Razowski & Pelz, 2007 (*Ptyongnathosia*), SHILAP Revista Lepidopterologia 35: 35. TL: Ecuador (Napo, 10 km SSE Cosanga). Holotype (♂): SMFM.

Rubroxena

Rubroxena Razowski & Pelz, 2007, SHILAP Revta. Lepid. 35: 34. Type species: *Rubroxena rubra* Razowski & Pelz, 2007. [Tortricinae: Euliini]

rubra Razowski & Pelz, 2007 (*Rubroxena*), SHILAP Revista Lepidopterologia 35: 35. TL: Ecuador (Azuay, 25 km S Cuenca, Puerto de Tinajilla). Holotype (♂): SMFM.

Rudenia

sepulturae Razowski & Becker, 2007 (*Rudenia*), Acta Zool. Cracoviensia 50B (2): 110. TL: Mexico (Chihuahua, La Sepultura). Holotype (♂): VBC.

Saphenista

alpha Razowski and Becker, 2007 (*Saphenista*), Acta Zool. Cracoviensia 50B: 101. TL: Ecuador (Carchi, Maldonado). Holotype (♀): VBC.

beta Razowski and Becker, 2007 (*Saphenista*), Acta Zool. Cracoviensia 50B: 102. TL: Ecuador (Carchi, Maldonado). Holotype (♀): VBC.

chlorfascia Razowski and Becker, 2007 (*Saphenista*), Acta Zool. Cracoviensia 50B: 103. TL: Ecuador (Carchi, Maldonado). Holotype (♂): VBC.

cubana Razowski and Becker, 2007 (*Saphenista*), SHILAP Revista Lepidopterologia 35: 71. TL: Cuba (Santiago, Sierra Maestra P. Cuba). Holotype (♂): VBC.

novaelimae Razowski and Becker, 2007 (*Saphenista*), Acta Zool. Cracoviensia 50B: 104. TL: Brazil (Nova Lima). Holotype (♂): VBC.

rosariana Razowski and Becker, 2007 (*Saphenista*), SHILAP Revista Lepidopterologia 35: 70. TL: Cuba (Pinar Rio, Sierra Rosario). Holotype (♂): VBC.

scalena Razowski and Becker, 2007 (*Saphenista*), Acta Zool. Cracoviensia 50B: 103. TL: Ecuador (Carchi, Maldonado). Holotype (♂): VBC.

simillima Razowski and Becker, 2007 (*Saphenista*), SHILAP Revista Lepidopterologia 35: 71. TL: Cuba (Santiago, Sierra Maestra P. Cuba). Holotype (♂): VBC.

solisae Razowski and Becker, 2007 (*Saphenista*), Acta Zool. Cracoviensia 50B: 104. TL: Mexico (Tamaulipas, Gomez Farias). Holotype (♂): VBC.

turguinoa Razowski and Becker, 2007 (*Saphenista*), SHILAP Revista Lepidopterologia 35: 69. TL: Cuba (Santiago, Turguino). Holotype (♂): VBC.

Sillybiphora

pauliprotuberans Zhang & Wang, 2007 (*Sillybiphora*), Acta Zootaxonomica Sinica 32: 561. TL: China (Yunnan Province, Lijiang). Holotype (♂): Nankai University, Tianjin, China (NKUM).

Sisurcana

alticolana Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 21. TL: Ecuador (Azuay, 22 km S Gualaceo). Holotype (♂): SMFL.

analogana Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 26. TL: Ecuador (Pichincha, 7 km NW Mindo, Schatamia). Holotype (♂): SMFL.

antisanae Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 24. TL: Ecuador (Napo, 5 km W Papallacta). Holotype (♂): SMFL.

bifurcana Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 24. TL: Ecuador (Napo, 10 km SSE Cosanga). Holotype (♂): SMFL.

cirrhochlaena Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 29. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFL.

fasciana Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 28. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFL.

fasciana Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 28. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFL.

firmuncus Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 29. TL: Ecuador (Napo, 10 km SSE Cosanga). Holotype (♂): SMFL.

papallactana Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 21. TL: Ecuador (Napo, 5 km W Papallacta, Laguna Papallacta). Holotype (♂): SMFL.

spinana Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 30. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFL.

triangulifera Razowski & Pelz, 2007 (*Sisurcana*), Nachr. Entomol. Ver. Apollo 28: 24. TL: Ecuador (Napo, 12 km SSE Cosanga). Holotype (♂): SMFL.

Spinipogon

virginanus Razowski and Becker, 2007 (*Spinipogon*), SHILAP Revista Lepidopterologia 35: 72. TL: British Virgin Islands (Guana Island). Holotype (♂): VBC.

Statherotmantis

expansa Li & Yu, 2007 (*Statherotmantis*), Proceedigns of the Entomological Society of Washington 109: 36. TL: China (Baoxing County, Sichuan Province). Holotype (♂): Nankai University, Tianjin, China (NKUM).

maoerica Li & Yu, 2007 (*Statherotmantis*), Proceedigns of the Entomological Society of Washington 109: 40. TL: China (Mt. Mao'er, Guangxi Province). Holotype (♂): Nankai University, Tianjin, China (NKUM).

spinulifera Li & Yu, 2007 (*Statherotmantis*), Proceedigns of the Entomological Society of Washington 109: 41. TL: China (Mt. Fanjing, Guizhou Province). Holotype (♂): Nankai University, Tianjin, China (NKUM).

triangularis Li & Yu, 2007 (*Statherotmantis*), Proceedigns of the Entomological Society of Washington 109: 40. TL: China (Mt. Mao'er, Guangxi Province). Holotype (♂): Nankai University, Tianjin, China (NKUM).

Synochoneura

dentana Wang & Li, 2007 (*Synochoneura*), Zootaxa 1547: 53. TL: China (Mt. Fanjing, Guizhou Province). Holotype (♂): Nankai University, Tianjin, China (NKUM).

Toreulia

acanthina Razowski, Pelz & Wojtusiak, 2007 (*Toreulia*), Genus 18: 113. TL: Ecuador (Napo, 10 km SSE Cosanga). Holotype (♂): SMFL

imminuta Razowski, Pelz & Wojtusiak, 2007 (*Toreulia*), Genus 18: 109. TL: Ecuador (Napo, 10 km SSE Cosanga). Holotype (♂): SMFL

placita Razowski, Pelz & Wojtusiak, 2007 (*Toreulia*), Genus 18: 111. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFL

runtunana Razowski, Pelz & Wojtusiak, 2007 (*Toreulia*), Genus 18: 114. TL: Ecuador (Tungurahua, Banos-Runtun). Holotype (♂): SMFL

Ulvipinara

Ulvipinara Razowski & Pelz, 2007, Polskie Pismo Entomol. 76: 33. Type species: *Ulvipinara pulvinaria* Razowski & Pelz, 2007. [Tortricinae: Euliini]

pulvinaria Razowski & Pelz, 2007 (*Ulvipinara*), Polskie Pismo Entomologiczne 76: 332. TL: Ecuador (Napo, 10 km SSE Cosanga). Holotype (♂): SMFM.

Velhoania

Velhoania Razowski and Becker, 2007, Acta Zool. Cracoviensia 50B: 99. Type species: *Velhoania paradoxa* Razowski and Becker, 2007. [Tortricinae: Cochylini]

paradoxa Razowski and Becker, 2007 (*Velhoania*), Acta Zoologica Cracoviensia 50B: 100. TL: Brazil (Mato Grosso, Chapada dos Guimaraes). Holotype (♂): VBC.

Vulpoxena

dentata Razowski & Pelz, 2007 (*Cuproxena*), SHILAP Revista Lepidopterologia 35: 36. TL: Ecuador (Napo, 15 km SE Cosanga, Cocodrilo). Holotype (♂): SMFM.

NEW COMBINATIONS AND NEW SYNONYMIES

aequiflexa Meyrick, 1931, new synonym of *productana* Walker, 1863 (Phillips & Powell 2007)
albescens Meyrick, 1912 to *Paramesiodes* (Razowski & Krüger 2007)
antidora Meyrick, 1921 to *Eucosmocydia* (Razowski & Krüger 2007)
aphrospila Meyrick, 1921 to *Fulcrifera* (Razowski & Krüger 2007)
areata Meyrick, 1918 to *Coccothera* (Razowski & Krüger 2007)
azteca Walsingham, 1914 to *Dichrorampha* (Brown & Zachariades 2007)
bathychtra Razowski & Pelz, 2005 to *Hilarographa* (Razowski & Pelz 2007)
bisecta Meyrick, 1918 to *Stenentoma* (Razowski & Krüger 2007)
calculosa Meyrick, 1913 to *Coniostola* (Razowski & Krüger 2007)
catadryas Meyrick, 1937 to *Metamesia* (Razowski & Krüger 2007)
chlorodelpha Meyrick, 1912 to *Paramesiodes* (Razowski & Krüger 2007)
chromataspis Meyrick, 1921 to *Mesotes* (Razowski & Krüger 2007)
conica Meyrick, 1911 to *Xenosocia* (Razowski & Krüger 2007)
deltozyga Meyrick, 1928 to *Fulcrifera* (Razowski & Krüger 2007)
designata Meyrick, 1921 to *Metamesia* (Razowski & Krüger 2007)
disipiens Meyrick, 1918 to *Xenosocia* (Razowski & Krüger 2007)
domonoana Razowski & Pelz, 2003, elevated to species status (Razowski, Pelz & Wojtusiak 2007)
geraeas Meyrick, 1909 to *Paramesiodes* (Razowski & Krüger 2007)
gandana Kearfott, 1907, new synonym of *fandana* Kearfott (Wright 2007)
grapholithana Razowski & Pelz, 2005 to *Hilarographa* (Razowski & Pelz 2007)
halmyris Meyrick, 1909 to *Fulcrifera* (Razowski & Krüger 2007)

idahoana Kearfott, 1907, new synonoym of *argenteana* Walsingham (Wright 2007)
incepta Meyrick, 1912 to *Metamesia* (Razowski & Krüger 2007)
intensa Meyrick, 1921 to *Metamesia* (Razowski & Krüger 2007)
japoniella Matsumua, 1917 determined to be unavailable (Nasu 2007) [misspelled as *japonica* in Brown 2005]
kandana Kearfott, 1907, returned to species status (Wright 2007)
leptozona Meyrick, 1921 to *Crocidosema* (Razowski & Krüger 2007)
lobostola Meyrick, 1918 to *Coniostola* (Razowski & Krüger 2007)
lobotona Meyrick, 1921 to *Megalota* (Razowski & Krüger 2007)
monitrix Meyrick, 1909 to *Eucosmocydia* (Razowski & Krüger 2007)
monotona Razowski & Pelz, 2005 to *Macrochlidia* (Razowski & Pelz 2007)
opsonoma Meyrick, 1918 to *Gypsonoma* (Razowski & Krüger 2007)
paracremna Meyrick, 1913 to *Xenosocia* (Razowski & Krüger 2007)
paradelta Meyrick, 1925 to *Gypsonoma* (Razowski & Krüger 2007)
perdricana Walsgingham, 1879, new synonym of *irroratana* (Wright 2007)
periculosa Meyrick, 1913 to *Fulcrifera* (Razowski & Krüger 2007)
phaseolana Busck, 1933, new synonym of *concavana* Zeller, 1877 (Phillips & Powell 2007)
plectocosma Meyrick, 1921 to *Stenentoma* (Razowski & Krüger 2007)
pleuroptila Meyrick, 1937 to *Goniotorna* (Razowski & Kruger 2007)
ptilonota Meyrick, 1921 to *Eccopsis* (Razowski & Krüger 2007)
quadratica Meyrick, 1911 to *Lobesia* (Razowski & Krüger 2007)
scenica Meyrick, 1911 to *Gypsonoma* (Razowski & Krüger 2007)
simulata Heinrich, 1928 returned to species status (Nasu 2007)
sperryana McDunnough, 1942, new synonym of *snyderana* Kearfott (Wright 2007)
spicilifera Meyrick, 1913 to *Cosmetra* (Razowski & Krüger 2007)
spilocryptis Meyrick, 1932, new synonym of *revolutana* Zeller, 1877 (Phillips & Powell 2007)
spinulosa Meyrick, 1924 to *Epichoristodes* (Razowski & Kruger 2007)
sponditis Meyrick, 1918 to *Megalota* (Razowski & Krüger 2007)
stenaspis Meyrick, 1921 to *Lobesia* (Razowski & Krüger 2007)
symbola Meyrick, 1909 to *Coniostola* (Razowski & Krüger 2007)
synneurana Barnes & Busck, 1920, new synonym of *cuneana* Walsingham, 1879 (Phillips & Powell 2007)
temulenta Meyrick, 1912 to *Parameseodes* (Razowski & Krüger 2007)
thematica Meyrick, 1918 to *Crocidosema* (Razowski & Krüger 2007)
victrix Meyrick, 1918 to *Coccothera* (Razowski & Krüger 2007)
washiyai Kono & Sawamoto, 1940 returned to species status (Nasu 2007)

LITERATURE IN SUPPORT OF TAXONOMIC CHANGES

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GOALS FOR TORTS

The goals of the TORTS Newsletter were articulated in the first issue as "…fostering greater cooperation and communication among tortricid workers worldwide, providing a forum for discussions, and encouraging the compilation of catalogs and databases of the names, food plants, and life histories of the most interesting family of Lepidoptera – Tortricidae." While these goals remain intact, I think our community is in a unique position to help build the "infrastructure" for all future work on the family. Toward this end, we now have a world catalog (hard copy and on-line; tortricid.net), a food plant database (on-line; tortricid.net), and images of adults of North America species (on-line; mothphotographersgroup.misstate.edu). We also are making progress on an "e-library" where reprints of papers on tortricid moths can be downloaded by colleagues worldwide. I would like to add to this list one more initiative – an electronic database of the images of type specimens of Tortricidae. Todd Gilligan's site (tortricid.net) already includes most of the types from the USNM and CSIRO. Hence, I would like to propose that when you describe a new species, you consider sending a JPEG or TIFF of the holotype to Todd, which can be linked the the online catalog. The catalog is updated annually, so images could be added at that time. Because the holotype of a new species often is illustrated in the original description, an image usually is captured for publication. Would you mind sharing that image with your colleagues by allowing it to be posted on tortricid.net? Credit can be given to contributors of photographs and taxonomic corrections, so your work/contributions will be acknowledged.

By working together we can create a tremendous resource for ourselves and those tortricid workers that follow us, but we need community involvement. Thanks in advance for your consideration and participation.

This is the beginning of the tenth year for the TORTS Newsletter. Please let me know if it can be modified to better suit your needs.

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