

TORTS

Newsletter of the Troop of Reputed Tortricid Systematists

ISSN 1945-807X (print)
ISSN 1945-8088 (online)

Volume 18

21 August 2017

Issue 2

XXth EUROPEAN CONGRESS OF LEPIDOPTEROLOGY, PODGORA, CROATIA

For those of you who have never had the opportunity to attend a meeting of the Societas Europaea Lepidopterologica (SEL), you have missed one of the premiere social and scientific events in the Lepidoptera world. These conferences, held every other year, provide the perfect opportunity to interact with colleagues on a truly international basis – lepidopterists from 20 countries were present at this year’s meeting in Podgora, Croatia (24–30 April 2017). The organizing committee did a marvelous job of finding a beautiful venue in Croatia on the picturesque coast of the Adriatic Sea. The accommodations were delightful and the food superb and plentiful. And the program was outstanding, with talks covering every imaginable topic from conservation to curation, and from caterpillars to molecular phylogenies. Although there were few talks on Tortricidae (i.e., Joaquin Baixeras, Boyan Zlatkov, Rich Brown, Marja van der Straten, Todd Gilligan, and a few other “usual” participants were unable to attend this year), there were plenty of interesting and provocative presentations, including the development of a world catalogue of Lepidoptera, the requirement of a specimen (rather than a photograph) as a holotype, habitat management for butterfly conservation, etc.

The next SEL Congress will be in the Molise Province of Italy in 2019.



Above: Some North American refugees at the SEL congress: John Brown, Bernard Landry, Dan Rubinoff, and Dave Adamski.

66th ANNUAL MEETING OF THE LEPIDOPTERISTS' SOCIETY, TUCSON, ARIZONA

The 66th annual meeting of the Lepidopterists' Society was held in Tucson, Arizona from 30 July to 1 August, hosted by the Department of Entomology in the College of Agriculture at the University of Arizona. According to the meeting announcement, the University of Arizona has recently been ranked the top entomology program in the United States with particular specialties in biodiversity, integrative pest management, and pollination.

The meeting venue, the Tucson University Park Hotel, was within easy walking distance of the University of Arizona insect collection, and several meeting attendees spent time there. A “Lepidoptera sort” organized by the museum attracted a number of meeting participants.

Dr. Philip J. DeVries, a professor at the University of New Orleans, was awarded the Karl Jordan Medal, the Lepidopterists' Society's most prestigious award, in recognition of his outstanding original research. Phil is best known for his work on symbioses between caterpillars and ants and ants and plants, and his studies on community level biodiversity of rainforest butterflies.

One of the highlights of the meeting was a symposium honoring the lepidopterological accomplishments and contributions of Dr. Jerry A. Powell, which featured presentations by several of his former graduate students and a “Skype-in” by a shirt-less (and possibly pant-less) Dan Janzen from Costa Rica.

Overall the meeting was a huge success and left participants eager to attend next year's meeting at the Canadian National Collection of Insects, Arachnids, and Nematodes in Ottawa, Ontario, Canada in July 2018.



Above: Speakers at the symposium honoring Dr. Jerry A. Powell. From left to right: Dave Wagner, “Frank” Hsu, Felix Sperling, Eric Metzler, Dan Rubinoff, Jerry Powell, Jim Kruse, Kelly Richers, Pete Oboyski, and John Brown.

SECOND NORTH AMERICAN MICROLEPIDOPTERISTS' MEETING, 2017

The Second North American Microlepidopterists' Meeting was held immediately following the annual meeting of the Lepidopterists' Society at the University of Arizona insect collection on 2 August 2017. The small room was packed, reflecting the growing interest in smaller moths among Lepidopterists' Society members. The handsome program and abstracts booklet is available online at <https://www.dmn.org/media/3035875/dmns reports7.pdf>. Of special interest to TORTS members were a presentation by Christi Jaeger testing the molecular phylogeny of Regier et al. (2011) using a dataset of entirely morphological characters, and a lively discussion on the change of name (i.e., *Choristoneura freemani* from *Choristoneura occidentalis*) for the North American western spruce budworm.

Vazrick Nazari will be organizing the Third North American Microlepidopterists' Meeting in Ottawa, and it is schedule for 10 July 2018. I hope to see many of you there.



Above: Chruis Grinter, Valeriu Albu, and Vazrick Nazari at the Second North American Microlepidopterists' Meeting in Tucson, Arizona. [Jason Dombroskie in background.]

PAPERS ON TORTRICIDAE PUBLISHED IN 2016

- Aarvik, L. 2016. Redefinition and revision of African *Cosmetra* Diakonoff, 1977 (Lepidoptera: Tortricidae) with description of six new species. Zootaxa 4088 (2): 245–256.
- Agassiz, D. J. L. 2016. A fieldwork challenge: *Hystrichophora kwazuluana* Razowski, 2015 (Lepidoptera: Tortricidae). Metamorphosis 27: 21–22.
- Anan, S., Dokchan, P., Pinkaew, N. 2016. *Loboschiza* Diakonoff (Lepidoptera: Tortricidae) from Thailand with descriptions of four new species. Zootaxa 4109: 81–88.
- Barros-Parada, W., Basoalto, E., Fuentes-Contreras, E., Cichon, L., Knight, A. L. 2016. Acetic acid lure placement within traps affects moth catches of codling moth (Lepidoptera: Tortricidae). Journal of Applied Entomology 140: 786–795.
- Basheer, A. M., Alhaj, S. I., Asslan, L. H. 2016. Parasitoids on codling moth *Cydia pomonella* (Lepidoptera: Tortricidae) in apple and walnut orchards in Syria. Bulletin EOPP 46 (2): 295–297.
- Brown, J. W. 2016. A new generic assignment for *Tortrix baboquivariana* Kearfott, 1907 (Lepidoptera: Tortricidae) with comments on its tribal assignment. Journal of the Lepidopterists' Society 70 (2): 173–175.
- Cattenea, A. M., Bengtsson, J. M., Monatgne, N., Jacquin-Joly, E., Rota-Stabelli, O., Salvatnon, U., Bassoli, A., Witzgall, P., Anfora, G. 2016. TRPA5, an ankyrin subfamily insect TRP channel, is expressed in antennae of *Cydia pomonella* (Lepidoptera: Tortricidae) in multiple splice variants. Journal of Insect Science 16: doi: 10.1093/jisesa/iew072.
- Clausi, M., Leone, D., Oreste, M., Tarasco, E. 2016. Comments on the morphology and biology of *Pammene castanicola* Trema-terra & Clausi, 2009 (Lepidoptera: Tortricidae: Grapholitini). Zootaxa 4168 (3): 570–572.
- Costa-Lima, T. C., Moreira, G. R. P., Gonçalves, G. L., Specht, A. 2016. *Lasiothyris luminosa* (Razowski & Becker) (Lepidoptera: Tortricidae): a new grapevine pest in northeastern Brazil. Neotropical Entomology: doi 10.1007/s13744-016-0379-9.
- El-Sayed, A. M., Knight, A. L., Byers, J. A., Judd, G. J. R., Suckling, D. M. 2016. Caterpillar-induced plant volatiles attract conspecific adults in nature. Scientific Reports 6: article 37555. DOI: 10.1038/srep37555. [Epiphyas, Choristoneura]
- El-Sayed, A., Suckling, D. M. 2016. Use of phenylacetonitrile plus acetic acid to monitor *Pandemis pyrusana* (Lepidoptera: Tortricidae) in apple. BioRxiv beta: doi: <https://doi.org/10.1101/092452>.
- Fagua, G., Condamine, F. L., Horak, M., Zwick, A., Sperling, F. A. H. 2016. Diversification shifts in leafroller moths linked to continental colonization and the rise of angiosperms. Cladistics (2016): 1–18. doi: 10.1111/cla.12185.
- Gilligan, T. M., Brown, J. W. 2016. A new genus for *Tortrix druana* Walsingham, 1914 and a new species from the northern Neotropics (Lepidoptera: Tortricidae: Cochylini: Euliina). Journal of the Lepidopterists' Society 70 (2): 139–144.
- Gilligan, T., Huemer, P., Wiesmair, B. 2016. Different continents, same species? Resolving the taxonomy of some Holarctic *Ancylis* Hübner (Lepidoptera: Tortricidae). Zootaxa 4178(3): 347–370.
- Gooshbor, L., Bavaghār, M. P., Amanollahi, J., Ghobari, H. 2016. Monitoring infestations of oak forests by *Tortrix viridana* (Lepidoptera: Tortricidae) using remote sensing. Plant Protection Science: doi: 10.17221/185/2015-pps.
- Heppner, J. B. 2016. *Ptoseulia oxyropa* in Belize and description of the female

- (Lepidoptera: Tortricidae: Tortricinae: Euliini). Lepidoptera Novae 9: 29–32.
- Heppner, J. B., Bae, Y.-S. 2016. A new species of *Fansipaniana* from northern Vietnam (Lepidoptera: Tortricidae: Olethreutinae: Olethreutini). Zootaxa 4097: 135–138.
- Heppner, J. B., Bae, Y.-S. 2016. Two new species of *Loboschiza* from Cambodia and Vietnam (Lepidoptera: Tortricidae: Olethreutinae: Enarmoniini). Zootaxa 4169(1): 171–178.
- Heppner, J. B., Bae, Y.-S. 2016. Two new species of *Sirindhornia* from Vietnam (Lepidoptera: Tortricidae: Olethreutinae: Enarmoniini). Zootaxa 4173(4): 389–395.
- Heppner, J. B., Bae, Y.-S. 2016. A new species of *Tambitnotia* from Peru, with the first reported female of the genus (Lepidoptera: Tortricidae: Olethreutinae). Zootaxa 4196(3): 446–450.
- Hofmeyr, H., Hattingh, V., Hofmeyr, M., Slabbert, K. 2016. Postharvest phytosanitary disinfestation of *Thaumatotibia leucotreta* (Lepidoptera: Tortricidae) in citrus fruit: Comparative tolerance of larvae reared in synthetic diet and oranges to ionizing radiation. Florida Entomologist 99: 43–47.
- Hofmeyr, H., Hattingh, V., Hofmeyr, M., Slabbert, K. 2016. Postharvest phytosanitary disinfestation of *Thaumatotibia leucotreta* (Lepidoptera: Tortricidae) in citrus fruit: Validation of an ionizing radiation treatment. Florida Entomologist 99: 54–58.
- Hofmeyr, H., Hattingh, V., Hofmeyr, M., Slabbert, K. 2016. Postharvest phytosanitary disinfestation of *Thaumatotibia leucotreta* (Lepidoptera: Tortricidae) in citrus fruit: Validation of an ionizing radiation and cold combination treatment. African Entomology 24: 217–224.
- Horak, M., Komai, F. 2016. *Cryptophlebia* Walsingham, 1900, *Thaumatotibia* Zacher, 1915, and *Archiphlebia* Komai & Horak, 2006, in Australia (Lepidoptera: Tortricidae: Olethreutinae: Grapholitini). Zootaxa 4179 (3): 441–477.
- Huemer, P. 2016. Beitrag zur Wicklerfauna Kretas aus Aufsammlungen von Dr. Walter Ruckdeschel (Lepidoptera, Tortricidae). Nachrichtenblatt der Bayerischen Entomologen 65: 2–12.
- Jaeger, C. M., Brown, R. L. 2016. Descriptions of male of *Rhopobota tungurahuana* Razowski & Pelz and *Ancylis ecuadorica* Razowski & Wojtusiak (Lepidoptera: Tortricidae) with new distribution records from Venezuela. Transactions of the American Entomological Society 142: 35–40.
- Koren, T. 2016. *Thiodia torridana* (Lederer, 1859) (Lepidoptera: Tortricidae) a new species for the Croatian fauna. Natura Croatica 25: 163–164.
- Light, D. M. 2016. Control and monitoring of codling moth (Lepidoptera: Tortricidae) in walnut orchards treated with novel high-load, low-density “meso” dispensers of sex pheromone and pear ester. Environmental Entomology 45(3): 700–707.
- Liu, W. T., Xu, J., Zhang, R. 2016. The optimal sex pheromone release rate for trapping the codling moth *Cydia pomonella* (Lepidoptera: Tortricidae) in the field. Scientific Reports 6: art. 21081.
- Mgocheki, N., Addison, P. 2016. Investigating the validity of the species status of the false codling moth in South African deciduous fruit orchards using mating studies and mtDNA. Bulletin of Entomological Research 106: 598–605.
- Nizamani, I. A., Khaskheli, M. I., Buker, A., Wahocho, N. A., Nizamani, S. A., Qureshi, N. A. 2016. Studies on the biology of leaf roller, *Ancylis sativa* (Liu) (Lepidoptera: Tortricidae) a major pest of jujube (*Ziziphus mauritiana*). Journal of Basic & Applied Sciences 12: 236–241.
- Odendaal, D., Addison, M. F., Mala, A. P. 2016. Control of diapausing codling moth (Tortricidae) in wooden fruit bins, using

- entomopathogenic nematodes (Heterorhabditidae and Steinernematidae). Biocontrol Science and Technology 11: 1504–1515.
- Ozsemerci, F., Altindisli, F. O., Koçlu, T., Karsavuran, Y. 2016. Egg parasitoids of *Lobesia botrana* (Den. & Schiff.) (Lepidoptera: Tortricidae) in the vineyards of Izmir and Manisa Provinces in Turkey. BIO Web of Conferences 7: <https://doi/10.1051/bioconf/2016071006>.
- Pureswaren, D. S., Johns, R., Heard, S. B., Quirin, D. 2016. Paradigms in eastern spruce budworm (Lepidoptera: Tortricidae) population ecology: A century of debate. Environmental Entomology 45 (6): 1333–1342.
- Razowski, J. 2016. Tortricidae (Lepidoptera) of the Fiji Islands. Acta Zoologica Cracoviensis 59: 47–88.
- Razowski, J. 2016. Tortricidae (Lepidoptera) from the Fiji Islands, Part 2. Polskie Pismo Entomologiczne 85: 191–223.
- Razowski J. 2016. Tortricidae (Lepidoptera) from the Tervuren Museum, 7: The archipine genus *Labidosa* Diakonoff, 1960. Polskie Pismo Entomologiczne 85(2): 225–235.
- Razowski, J., Becker, V. O. 2016. *Acalandica* and *Ipamerica*: two new Neotropical grapholitine genera (Lepidoptera: Tortricidae). Zootaxa 4066: 248–254.
- Razowski, J., Becker, V.O. 2016. Systematics and faunistics of Neotropical Olethreutini, 1: *Lobesia* Guenée, 1845, *Ophiorrhabda* Diakonoff, 1966, *Megalota* Diakonoff, 1966, *Eumarozia* Heinrich, 1926, *Zomaria* Heinrich, 1926 and *Alexiloga* Meyrick, 1922 (Lepidoptera: Tortricidae). Polish Journal of Entomology 85(1): 13–25.
- Razowski, J., Becker, V.O. 2016. Systematics and faunistics of Neotropical Olethreutini, 3: *Omiostola* Meyrick, 1922 (Lepidoptera: Tortricidae). Polish Journal of Entomology 85(4): 365–376.
- Razowski, J., Becker, V.O. 2016. Systematics and faunistics of Neotropical Grapholitini, 3: *Satronia* Heinrich, 1926 (Lepidoptera: Tortricidae). Polish Journal of Entomology 85(2): 105–119.
- Roditakis, E., Morin, S., Baixeras, J. 2016. Is *Bactra bactrana* (Kennel, 1901) a novel pest of sweet peppers? Bulletin of Entomological Research 2016: 1–7. doi:10.1017/S0007485315000917.
- Roscoe, L. E., Silk, P., Eveleigh, E. S., 2016. Evidence of male hair pencil pheromone in *Choristoneura fumiferana* (Lepidoptera: Tortricidae). Journal of Insect Science 16(1): 1–5. doi: 10.1093/jisesa/iew010.
- Shin, S.-B., Byun, B.-K. 2016. Taxonomic review of the genus *Zeiraphera* Treitschke (Lepidoptera: Tortricidae) in Korea, with description of a new species. Journal of Asia-Pacific Biodiversity 9: 22–28
- Sohn, J.-C., Kim, S.-S., Cho, S.-W. 2016. Review of *Cryptophlebia* Walsingham, 1900 (Lepidoptera, Tortricidae) from Korea. Animal Systematics, Evolution and Diversity 32(4): 293–296
- Sun, Y.-H. 2016. Forewing polymorphism in *Acleris tsuifengana* Kawabe from Taiwan (Tortricidae: Tortricinae: Tortricini). Lepidoptera Novae 9: 23–27.
- Trematerra, P., Colacci, M. 2016. I Tortricidae Della Collezione Uselli (Lepidoptera). Gortania 37 (2015): 47–81.
- Trematerra P., Colacci, M., 2016. Description of *Endothenia apotomisana* sp. n. and *Cydia pelionae* sp. n. from Pelion Mountains, Greece (Lepidoptera Tortricidae). Redia (Journal of Zoology) 99: 71–74.
- Vargas-Ortiz, M., Parra, L. E., Vargas, H. A. 2016. External morphology of the leaf-tying larva and pupa of the Neotropical micromoth *Eccopsis razowskii* (Lepidoptera: Tortricidae). Applied Entomology and Zoology: doi: 10.1007/s13355-016-0447-y.
- Wise, J. C., Hulbert, D., Vandervoort, C. 2016. Rainfall influences performance of insecticides on the codling moth

- (Lepidoptera: Tortricidae) in apples.
Canadian Entomologist 1–11. doi:
10.4039/tce.2016.40
- Zheng, Y., Wu, R. X., Dorn, S., Chen, M. H.
2016. Diversity of tortricid moths in apple
orchards: evidence for a cryptic species of
Grapholita (Lepidoptera: Tortricidae)
from China. Bulletin of Entomological
Research (2016): 1–13. doi:10.1017/
S0007485316000973.
- Zlatkov, B. 2016. On the vesica of Eucosmini
and Grapholitini (Insecta: Lepidoptera:
Tortricidae). Zootaxa 4168(2): 297–312.
- Zlatkov, B. 2016. Taxonomy of two montane
Dichrorampha species from the Balkans
and Caucasus (Lepidoptera: Tortricidae).
Nota Lepidopterologica 39: 13–20.
- Zlatkov, B., Huemer, P. 2016. *Phteochohra*
unionana (Kennel, 1900) recognised as a
dimorphic Cochylini species, with
description of the hitherto unknown male
genitalia (Lepidoptera, Tortricidae). Nota
Lepidopterologica 39(2): 113–121.

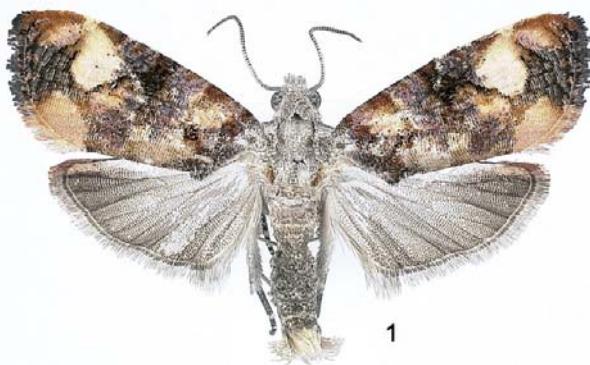


Fig. 1. *Fansipaniana tamdaoensis* n. sp., male holotype
(14.3mm wingspan) (JBH photo 12594). (From Heppner &
Bae 2016).

The TORTS Newsletter is distributed twice per year: January–February and July–August. Membership or subscription is free. For information contact: John W. Brown, Department of Entomology, Smithsonian Institution, P.O. Box 37012, National Museum of Natural History, Washington, DC 20013–7012, USA. E-mail: tortricidae.jwb@gmail.com