

# TORTS

## Newsletter of the Troop of Reputed Tortricid Systematists

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### XIX<sup>th</sup> EUROPEAN CONGRESS OF LEPIDOPTEROLOGY AT A GLANCE

The 19<sup>th</sup> European Congress of LepidopteroLOGY, sponsored by Societas Europaea Lepidopterologia and the Senckenberg Museum of Zoology, was held in Radebeul, Germany from 27 September through 2 October 2015. Matthias Nuss and his team organized the perfect meeting ó the venue was excellent, the talks were interesting and varied, and the attendees represented a wide cross-section of global lepidopterists.

The first day of the congress featured a symposium dedicated to the late Niels Peder Kristensen. Each of the speakers presented interesting discoveries in lepidopteroLOGY, but they also provided personal insights and/or stories about the impact that Niels had on them personally or on the Lepidoptera community in general. It was a moving session.

For those interested in Tortricidae, there were several excellent oral presentations, including the following: óFunctional morphology of the bursa copulatrix wall: a comparative analysis in some groups of Lepidopteraö by Joaquin Baixeras; óStructures for attachment of adult appendages: the pretarsi and the forewing-metascutal locking mechanismö by Richard Brown; óNotes on microlepidoptera in Baltic amber and description of an extinct tortricid species (Tortricidae)ö by Wolfram Mey and Hans Blackstein; and óLock and key mechanisms in some Cochylini (Tortricidae): a morphological studyö by Boyan Zlatkov. The poster session included óImpact of changes in the future of Polish Tortricidae on agriculture and horticultureö by Wojciech Kubasik and Pawel Trzcinski. It was a pleasure to see Tortricidae so well represented among the congress topics.

lini (Tortricidae): a morphological studyö by Boyan Zlatkov. The poster session included óImpact of changes in the future of Polish Tortricidae on agriculture and horticultureö by Wojciech Kubasik and Pawel Trzcinski. It was a pleasure to see Tortricidae so well represented among the congress topics.



**Above:** Ximo Baixeras, John Brown, and Rich Brown ó a small sober man between two large drunkards. **Below:** Boyan Zlatkov and Wojciech Kubasik chatting between sessions. Photos by Poody Brown.



The meeting provided a superb opportunity to catch up with old friends and discuss current research projects. The venue also was within easy access of all the cultural sights of Dresden. Overall, it was a great congress.

The SEL council adopted a motion to have the 2017 meeting in Croatia. I hope to see some of you there.

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## NEW TORTRICID CONTACT PERSON AT THE BMNH

Dr. David Lees has joined the staff of the Lepidoptera group at The Natural History Museum, London. He previously worked in the Department of Zoology at the University of Cambridge. Dr. Lees has investigated ecological speciation of mycalesine satyr butterflies with a focus on GIS modelling, phylogenetics, and trait analysis. He has a special interest in the genus *Heteropsis* (Nymphalidae: Satyrinae) which occurs in the African and Asian tropics, with its greatest radiation in Madagascar. He also has general interests in lepidopteran taxonomy, molecular systematics, and biogeography. Dr. Lees (david@nhm.ac.uk) will be our new contact person at the BMNH for loans and inquiries regarding Tortricidae.

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## NEW TORTRICID TAXA DESCRIBED IN 2014

The following is a list of tortricid taxa described in 2014 (in **bold**); it is followed by a list of new synonyms, new combinations, and revised combinations, followed by the literature that supports the proposed additions and changes. Because the new taxa and taxonomic changes have not yet been incorp-

orated into the on-line tortricid catalogue, I would appreciate it if authors of new taxa would take a moment to review their citations and spellings.

### Aesiocopa

***grandis*** Brown, 2014 (*Aesiocopa*), Journal of the Lepidopterists Society 68: 8. TL: Costa Rica (Heredia, 6 km ENE Vara Blanca). Holotype ( ): INBio.

***necrofolia*** Brown & Phillips, in Brown, 2014 (*Aesiocopa*), Journal of the Lepidopterists Society 68: 4. TL: Costa Rica (Guanacaste, Area de Conservación Guanacaste, Sector San Cristobal, Finca San Gabriel). Holotype ( ): USNM.

### Afroicelita

***Afroicelita*** Aarvik, in Aarvik & Agassiz, 2014, Norwegian Journal of Entomology 61: 34. Type species: *Stenen-toma pholicosta* Razowski & Wojtusiak, 2012.

### Afroploce

***bagamoyo*** Razowski & Wojtusiak, 2014 (*Afroploce*), Polskie Pismo Entomologiczne 83: 212. TL: Tanzania (Mandera, 150 km W Bagamoyo). Holotype ( ): MZUJ.

### Amorbia

***erinae*** Brown, 2014 (*Amorbia*), Proceedings of the Entomological Society of Washington 116: 374. TL: Mexico (Durango, 30 mi W Durango). Holotype ( ): EME.

### Anacrusis

***ellensatterleeae*** Brown, in Brown et al., 2014 (*Anacrusis*), Journal of the Lepidopterists Society 68: 260. TL: Costa Rica (Guanacaste, Area de Conservacion Guanacaste, Sector Cacao, Sendero Cima). Holotype ( ): USNM.

***terrimccarthyae*** Brown, in Brown et al., 2014 (*Anacrusis*), Journal of the Lepidopterists Society 68: 254. TL: Costa Rica (Alajuela, Sector Rincon Rain Forest, Sendero Albergue Crater). Holotype ( ): USNM.

#### Andrioplecta

***angusticuculla*** Lv, Sun & Li, 2014 (*Andrioplecta*), Zootaxa 3760: 488. TL: China (Mt. Pan, Ji County, Tianjin). Holotype ( ): NKUM.

#### Anthozela

***macambrarae*** Razowski & Wojtusiak, 2014 (*Anthozela*), Polskie Pismo Entomologiczne 83: 214. TL: São Tomé and Príncipe (Macambrara). Holotype ( ): MZUJ.

***usambarae*** Razowski & Wojtusiak, 2014 (*Anthozela*), Polskie Pismo Entomologiczne 83: 215. TL: Tanzania (Usambara Mts, Amani). Holotype ( ): MZUJ.

#### Aoupinieta

***heveli*** Razowski, 2014 (*Aoupinieta*), SHILAP Revista de Lepidopterologia 42: 339. TL: New Caledonia (Mt. Khogi). Holotype ( ): USNM.

#### Aphelia

***aberdarica*** Razowski, 2014 (*Aphelia*), SHILAP Revista de Lepidopterologia 42: 464. TL: Kenya (Aberdares National Park, Ruhuryini Gate). Holotype ( ): RMCA.

#### Caenognosis

***niveata*** Razowski, 2014 (*Caenognosis*), SHILAP Revista de Lepidopterologia 42: 343. TL: New Caledonia (Plaine des Lacs, 5 km E Grand Lac). Holotype ( ): USNM.

#### Ceratoxanthis

***giansalottii*** Bassi (*Ceratoxanthis*), SHILAP Revista de Lepidopterologia 42: 490. TL: Greece (Peloponnesus, Corinthia, Mt. Kyllini). Holotype ( ): Bassi Collection, Avigliana, Italy.

#### Choristoneura

***deuteros*** Razowski, 2014 (*Choristoneura*), SHILAP Revista de Lepidopterologia 42: 452. TL: Kenya (Kakamega Forest). Holotype ( ): RMCA.

***gerstbergeri*** Blackstein, 2014 (*Choristoneura*), Entomologische Nachrichten und Berichte 5: 172. TL: Tunisia (40 km W Jendeuba). Holotype ( ): ZMUC.

***holovera*** Razowski 2014 (*Choristoneura*), SHILAP Revista de Lepidopterologia 42: 453. TL: Kenya (Kakamega Forest, UDO Camp). Holotype ( ): RMCA.

***nowakiana*** Razowski, 2014 (*Choristoneura*), SHILAP Revista de Lepidopterologia 42: 453. TL: Congo Belge (P.N.A., Secteur Nord, Bumal village près Mutwanga). Holotype ( ): RMCA.

***oluduana*** Razowski, 2014 (*Choristoneura*), SHILAP Revista de Lepidopterologia 42: 452. TL: Nigeria (Oludu C.R., SE State). Holotype ( ): RMCA.

***prostheca*** Razowski, 2014 (*Choristoneura*), SHILAP Revista de Lepidopterologia 42: 454. TL: Kenya (Kakamega Forest). Holotype ( ): RMCA.

***saotome*** Razowski & Wojtusiak, 2014 (*Choristoneura*), Polskie Pismo Entomologiczne 83: 208. TL: São Tomé (Macambrara). Holotype ( ): MZUJ.

Circanota

***Circanota*** Brown, 2014, ZooKeys 462: 126.  
Type species: *Circanota undulata* Brown,  
2014. [Tortricinae: Sparganothini]

***simplex*** Brown, 2014 (*Circanota*), ZooKeys  
462: 131. TL: Panama (Canal Zone, Barro  
Colorado Island). Holotype ( ): USNM.

***undulata*** Brown, 2014 (*Circanota*), ZooKeys  
462: 126. TL: Costa Rica (Heredia, Estación  
Biología La Selva). Holotype ( ): INBio.

Clepsis

***karsholti*** Karisch & Blackstein, 2014  
(*Clepsis*), Entomologische Nachrichten und  
Berichte 5: 168. TL: Morocco (8 km S Sidi  
Ifni). Holotype ( ): ZMUC.

Cnecidophora

***graphis*** Razowski, 2014 (*Cnecidophora*),  
SHILAP Revista de Lepidopterologia 42:  
343. TL: New Caledonia (Plaine des Lacs, 5  
km E Grand Lac). Holotype ( ): USNM.

Cnephasia

***arenosana*** Karisch & Blackstein, 2014  
(*Cnephasia*), Entomologische Nachrichten  
und Berichte 5: 168. TL: Tunisia (Ain  
Draham ari). Holotype ( ): ZMUC.

Coenobiodes

***horakiana*** Razowski, 2014 (*Coenobiodes*),  
SHILAP Revista de Lepidopterologia 42:  
348. TL: New Caledonia (Noumea Baie  
Tina). Holotype ( ): USNM.

***phoeba*** Razowski, 2014 (*Coenobiodes*),  
SHILAP Revista de Lepidopterologia 42:  
348. TL: New Caledonia (Mt. Dzumac).  
Holotype ( ): USNM.

Conaspasia

***Conaspasia*** Aarvik, in Aarvik & Agassiz,  
2014, Zootaxa 3754: 127. Type species:  
*Niphadophylax albonigra* Razowski &  
Wojtusiak, 2012. [Olethreutinae: Olethreutini]

***congolana*** Aarvik, in Aarvik & Agassiz,  
2014 (*Conaspasia*), Zootaxa 3754: 122. TL:  
Democratic Republic of Congo (Bas-Congo,  
Nature Reserse Luki-Mayumbe). Holotype  
( ): RMCA.

Coniostola

***flavitinctana*** Agassiz & Aarvik, 2014  
(*Coniostola*), Zootaxa 3861: 388. Kenya (Rift  
Valley, Lake Naivasha). Holotype ( ): NMK.

***laikipiana*** Agassiz & Aarvik, 2014  
(*Coniostola*), Zootaxa 3861: 394. Kenya  
(Laikipia Mpala R.C.). Holotype ( ): NMK.

***rufitinctana*** Agassiz & Aarvik, 2014  
(*Coniostola*), Zootaxa 3861: 394. Kenya (Rift  
Valley, Lake Naivasha). Holotype ( ): NMK.

Cornips

***enoicylus*** Razowski, 2014 (*Cornips*),  
SHILAP Revista de Lepidopterologia 42:  
455. TL: Kenya (Kakamega Forest, UDO  
Camp). Holotype ( ): RMCA.

***ignoratus*** Razowski, 2014 (*Cornips*),  
SHILAP Revista de Lepidopterologia 42:  
455. TL: Congo Belge (P.N.A.). Holotype  
( ): RMCA.

***ruhuryinius*** Razowski, 2014 (*Cornips*),  
SHILAP Revista de Lepidopterologia 42:  
455. TL: Kenya (Aberdares National Park,  
Ruhuryini Gates). Holotype ( ): RMCA.

Crocidosema

**argentonivea** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 50: TL: Ecuador (Pastaza, Mera). Holotype ( ): VBC.

**atrovirens** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 47: TL: Cuba (Santiago, Sierra Maestra). Holotype ( ): VBC.

**bidepas** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 47: TL: Cuba (Pinar Río, Sierra Rosario). Holotype ( ): VBC.

**carchinaia** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 51: TL: Ecuador (Carchi, Maldonado). Holotype ( ): VBC.

**cayeaya** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 53: TL: Puerto Rico (Cayey). Holotype ( ): VBC.

**cingularia** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 54: TL: Cuba (Santiago, Turguino). Holotype ( ): VBC.

**connexa** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 58: TL: Brazil (São Paulo, São Paulo). Holotype ( ): VBC.

**dematia** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 51: TL: Ecuador (Loja, Loja). Holotype ( ): VBC.

**marumbiana** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 46: TL: Brazil (Paraná, Marumbi, Morretes). Holotype ( ): VBC.

**meteora** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 54: TL: Costa Rica (Cerro la Muerte). Holotype ( ): VBC.

**mycteria** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 57: TL: Mexico (Tamaulipas, Gómez Farias). Holotype ( ): VBC.

**obta** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 55: TL: Ecuador (Loja, Loja). Holotype ( ): VBC.

**ochrovirens** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 38: TL: Cuba (Helguin, Mayari). Holotype ( ): VBC.

**peroteana** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 48: TL: Mexico (Veracruz, Cofre de Perote). Holotype ( ): VBC.

**puertoricana** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 52: TL: Puerto Rico (Patillas). Holotype ( ): VBC.

**pusula** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 40: TL: Ecuador (Carchi, Maldonado). Holotype ( ): VBC.

**semanticana** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 42: TL: Brazil (Planaltina, Distrito Federal). Holotype ( ): VBC.

**tainia** Razowski & Becker, 2014 (*Crocidosema*), Polskie Pismo Entomologiczne 83: 49: TL: Brazil (Goias, Alto Paraiso). Holotype ( ): VBC.

Cryptoptila

**ectopa** Razowski, 2014 (*Cryptoptila*), SHILAP Revista de Lepidopterologia 42: 341. TL: New Caledonia (Mt. Aoupinie). Holotype ( ): USNM.

**saucra** Razowski, 2014 (*Cryptoptila*), SHILAP Revista de Lepidopterologia 42: 341. TL: New Caledonia (Mt. Aoupinie). Holotype ( ): USNM.

Cydia

**amaniana** Razowski & Wojtusiak, 2014, (*Cydia*), Polskie Pismo Entomologiczne 83: 217. TL: Tanzania (Usambara Mts., Amani). Holotype ( ): MZUJ.

**atheta** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 546. TL: Brazil (Rio Brillhante, Mato Grosso). Holotype ( ): VBC.

**bellatula** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 546. TL: Ecuador (Napo, Mishualli). Holotype ( ): VBC.

**caena** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 547. TL: Ecuador (Napo, Mishualli). Holotype ( ): VBC.

**etes** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 547. TL: Mexico (Tamaulipas, El Encino). Holotype ( ): VBC.

**henotica** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 549. TL: Brazil (Minas Gerais, Inai). Holotype ( ): VBC.

**imias** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42:

551. TL: Cuba (Guantánamo, Imias). Holotype ( ): VBC.

**imitor** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 547. TL: Mexico (Tamaulipas, El Encino). Holotype ( ): VBC.

**magnuncus** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 551. TL: Guatemala (El Rosario, Peten). Holotype ( ): VBC.

**marita** Brown, in Brown & Jaeger, 2014 (*Cydia*), Zootaxa 3680: 229. TL: USA (Mississippi, Oktibbeha Co., 6 mi SW Starkville). Holotype ( ): USNM.

**palassa** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 551. TL: Brazil (Distrito Federal, Planaltina). Holotype ( ): VBC.

**scotina** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 550. TL: Brazil (Bahia, Camaca). Holotype ( ): VBC.

**telodes** Razowski & Becker, 2014 (*Cydia*), SHILAP Revista de Lepidopterologia 42: 549. TL: Mexico (Chiapas, Villa las Rosas). Holotype ( ): VBC.

**timara** Brown, in Brown & Jaeger, 2014 (*Cydia*), Zootaxa 3680: 232. TL: USA (Arizona, Cochise Co., Cave Creek Canyon, Chiricahua Mountains). Holotype ( ): USNM.

Cyphophanes

**khitchakutensis** Muadsub & Pinkaew, 2014 (*Cyphophanes*), Zootaxa 3841: 133. TL: Thailand (Chanthaburi Province, Khao Khitchakut N.P.). Holotype ( ): BMNH.

Diakonoffiana

*argynnis* Razowski, 2014 (*Diakonoffiana*), SHILAP Revista de Lepidopterologia 42: 346. TL: New Caledonia (Rivière Bleue). Holotype ( ): USNM.

Dudua

*gyalona* Razowski, 2014 (*Dudua*), SHILAP Revista de Lepidopterologia 42: 345. TL: New Caledonia (5 km S Touho, Panandou River). Holotype ( ): USNM.

*trunciformis* Liu & Yu, 2014 (*Dudua*), Entomotaxonomia 36: 184. TL: China (Taiwan, Yilan, Fushan). Holotype ( ): NUTC.

Electracma

*minyops* Razowski & Giliomee, 2014 (*Electracma*), African Entomology 22: 796. TL: South Africa (Vermont). Holotype ( ): PAS.

Endotera

*cyaneana* Agassiz, ), in Agassiz & Aarvik, 2014 (*Endotera* Zootaxa 3861: 382. Kenya (Nairobi). Holotype ( ): BMNH.

Epichoristodes

*albatella* Razowski, 2014 (*Epichoristodes*), SHILAP Revista de Lepidopterologia 42: 456. TL: Kenya (Kakamega Forest). Holotype ( ): RMCA.

*albulata* Razowski, 2014 (*Epichoristodes*), SHILAP Revista de Lepidopterologia 42: 457. TL: Congo Belge (P.N.A.). Holotype ( ): RMCA.

*eurosta* Razowski, 2014 (*Epichoristodes*), SHILAP Revista de Lepidopterologia 42:

456. TL: Kenya (Taita Hills). Holotype ( ): RMCA.

*gatamaiyu* Razowski, 2014 (*Epichoristodes*), SHILAP Revista de Lepidopterologia 42: 457. TL: Kenya (Gatamaiyu). Holotype ( ): RMCA.

*lagara* Razowski, 2014 (*Epichoristodes*), SHILAP Revista de Lepidopterologia 42: 459. TL: Kenya (Taita Hills). Holotype ( ): RMCA.

*ngangaona* Razowski, 2014 (*Epichoristodes*), SHILAP Revista de Lepidopterologia 42: 458. TL: Kenya (Taita Hills, Ngangao). Holotype ( ): RMCA.

*pallens* Razowski, 2014 (*Epichoristodes*), SHILAP Revista de Lepidopterologia 42: 458. TL: Kenya (Kakamega Forest, Fishing Lodge Point). Holotype ( ): RMCA.

*wankwia* Razowski, 2014 (*Epichoristodes*), SHILAP Revista de Lepidopterologia 42: 460. TL: Democratic Republic of Congo (N. Lac Kivu, Rwankwi). Holotype ( ): RMCA.

*ugoi* Razowski, 2014 (*Epichoristodes*), SHILAP Revista de Lepidopterologia 42: 459. TL: Kenya (Kakamega Forest). Holotype ( ): RMCA.

Epinotia

*caracae* Razowski & Becker, 2014 (*Epinotia*), Polskie Pismo Entomologiczne 83: 25. TL: Brazil (Minas Gerais, Caraca). Holotype ( ): VBC.

*chalsocia* Razowski & Becker, 2014 (*Epinotia*), Polskie Pismo Entomologiczne 83: 32. TL: Costa Rica (Santa Cruz, Turrialba). Holotype ( ): VBC.

***griseiblema*** Razowski & Becker, 2014 (*Epinotia*), Polskie Pismo Entomologiczne 83: 25. TL: Mexico (Distrito Federal, Mexico). Holotype ( ): VBC.

***huatuscana*** Razowski & Becker, 2014 (*Epinotia*), Polskie Pismo Entomologiczne 83: 30. TL: Mexico (Veracruz, Huatusco). Holotype ( ): VBC.

***phorminx*** Razowski & Becker, 2014 (*Epinotia*), Polskie Pismo Entomologiczne 83: 34. TL: Costa Rica (Volcan Turrialba). Holotype ( ): VBC.

***potosicola*** Razowski & Becker, 2014 (*Epinotia*), Polskie Pismo Entomologiczne 83: 26. TL: Mexico (Nuevo Leon, Cerro Potosí). Holotype ( ): VBC.

***sinuncus*** Razowski & Becker, 2014 (*Epinotia*), Polskie Pismo Entomologiczne 83: 36. TL: Costa Rica (San Vito). Holotype ( ): VBC.

***sticta*** Razowski & Becker, 2014 (*Epinotia*), Polskie Pismo Entomologiczne 83: 28. TL: Brazil (Santa Catarina, Bom Jardim de Serra). Holotype ( ): VBC.

#### Eucosma

***buratana*** Blackstein, 2014 (*Eucosma*), Entomologische Nachrichten und Berichte 58: 66. TL: Tadschikistan (ulpognoschja a Buratau, na cwetl). Holotype ( ): Sammlung am Museum für Naturkunde in Berlin.

***litorea*** Wright & Brown, 2014 (*Eucosma*), Journal of the Lepidopterists Society 68: 96. TL: USA (Alabama, Baldwin Co., Bon Secour NWR). Holotype ( ): USNM.

***metzleri*** Wright, 2014 (*Eucosma*), Journal of the Lepidopterists Society 68: 195. TL: USA (New Mexico, Otero County, White Sands National Monument). Holotype ( ): USNM.

***millerana*** Wright & Brown, 2014 (*Eucosma*), Journal of the Lepidopterists Society 68: 95. TL: USA (Minnesota, Clay Co., Blanket Flower Science & Natural Area). Holotype ( ): USNM.

***paregoria*** Brown, in Brown & Jaeger, 2014 (*Eucosma*), Zootaxa 3680: 227. TL: USA (Iowa, Howard Co., Hayden Prairie). Holotype ( ): USNM.

***patagoniana*** Wright, 2014 (*Eucosma*), Journal of the Lepidopterists Society 68: 193. TL: USA (Arizona, Santa Cruz Co., 8 mi SSE of Patagonia on Harshaw Creek Road). Holotype ( ): USNM.

#### Eucosmocydia

***terreirana*** Razowski & Wojtusiak, 2014 (*Eucosmocydia*), Polskie Pismo Entomologiczne 83: 216. TL: Principé Island (Terreiro Velho). Holotype ( ): MZUJ.

#### Eucosmophyes

***tinae*** Razowski, 2014 (*Eucosmophyes*), SHILAP Revista de Lepidopterologia 42: 352. TL: New Caledonia (Noumea, Baie Tina). Holotype ( ): USNM.

#### Eupoecilia

***ingens*** Sun & Li, 2014 (*Eupoeciia*), SHILAP Revista de Lepidopterologia 42: 92. TL: China (Guizhou Province, Huguosi, Mt. Fanjing). Holotype ( ): NUTC.

***subkobeana*** Sun & Li, 2014 (*Eupoeciia*), SHILAP Revista de Lepidopterologia 42: 93. TL: China (Guizhou Province, Huguosi, Mt. Fanjing). Holotype ( ): NUTC.

#### Fibuloides

***biligula*** Razowski, 2014 (*Fibuloides*), SHILAP Revista de Lepidopterologia 42:



350. TL: New Caledonia (Mt. Aoupinie).  
Holotype ( ): USNM.

***gibbosa*** Razowski, 2014 (*Fibuloides*),  
SHILAP Revista de Lepidopterologia 42:  
349. TL: New Caledonia (Rivière Bleue).  
Holotype ( ): USNM.

#### Grapholita

***orbexilana*** Harrison, in Harrison, Gibson &  
Gilligan, 2014 (*Grapholita*), Zootaxa 3755:  
288. TL: USA (Illinois, Coles County,  
Lincoln/Prairie Grass Trail west of Charles-  
ton). Holotype ( ): USNM.

#### Helictophanes

***alcimofascia*** Razowski, 2014 (*Helicto-  
phanes*), SHILAP Revista de Lepidoptero-  
logia 42: 347. TL: New Caledonia (Mt.  
Khogi). Holotype ( ): USNM.

***flava*** Muadsub & Pinkaew, 2014 (*Helicto-  
phanes*), Zootaxa 3841: 128. TL: Thailand  
(Trat Province, Trat Agroforestry Research  
Station). Holotype ( ): BMNH.

***nostras*** Razowski, 2014 (*Helictophanes*),  
SHILAP Revista de Lepidopterologia 42:  
347. TL: New Caledonia (Mandjelia).  
Holotype ( ): USNM.

#### Hystriophora

***bussei*** Agassiz, in Agassiz & Aarvik, 2014  
(*Hystriophora*), Zootaxa 3861: 372. Kenya  
(Coast Province, Rukinga Reserve). Holotype  
( ): NMK.

#### Ledocania

***Ledocania*** Razowski, SHILAP Revista de  
Lepidopterologia 42: 341. Type species:  
*Ledocania dividua* Razowski, 2014.  
[Tortricinae: Archipini]

***dividua*** Razowski, 2014 (*Ledocania*),  
SHILAP Revista de Lepidopterologia 42:  
342. TL: New Caledonia (Mt. Aoupinie).  
Holotype ( ): USNM.

#### Leguminivora

***serpens*** Razowski, 2014 (*Leguminivora*),  
SHILAP Revista de Lepidopterologia 42:  
353. TL: New Caledonia (Rivière Bleue).  
Holotype ( ): USNM.

#### Lobesia

***arzilae*** Trematerra, 2014 (*Lobesia*), Journal of  
Entomological and Acarological Research 46:  
66. TL: Portugal (Paúl de Arzila, Coimbra,  
Beira Litoral). Holotype ( ): Trematerra  
Collection, Italy.

#### Lopharcha

***pullata*** Razowski, 2014 (*Lopharcha*),  
SHILAP Revista de Lepidopterologia 42:  
342. TL: New Caledonia (Mt. Dzumac).  
Holotype ( ): USNM.

#### Maoritenes

***phortica*** Razowski, 2014 (*Maoritenes*),  
SHILAP Revista de Lepidopterologia 42:  
336. TL: New Caledonia (Mt. Aoupiniaie).  
Holotype ( ): USNM.

#### Neaspasia

***coronoana*** Aarvik, in Aarvik & Agassiz,  
2014 (*Neaspasia*), Zootaxa 3754: 121. TL:  
Tanzania Iringa Reg., Mufindi District,  
Kigogo Forest). Holotype ( ): NHMO.

***karischi*** Aarvik, in Aarvik & Agassiz, 2014  
(*Neaspasia*), Zootaxa 3754: 122. TL: Kenya  
(near Nairobi, Olulua Forest). Holotype ( ):  
RMCA.

***malamigambo*** Aarvik, in Aarvik & Agassiz, 2014 (*Neaspasia*), Zootaxa 3754: 122. TL: Uganda (Rakai District, Sango Bay, Malamigambo Forest). Holotype ( ): NHMO.

#### Neonamasia

***Neonamasia*** Aarvik, in Aarvik & Agassiz, 2014, Norwegian Journal of Entomology 61: 32. Type species: *Neonamasia cryptica* Aarvik, 2014.

***cryptica*** Aarvik, in Aarvik & Agassiz, 2014 (*Neonamasia*), Norwegian Journal of Entomology 61: 32. TL: Kenya (Central Province, Thika District, 8 km SW Thika Karamaini Estate). Holotype ( ): NHMO.

#### Nesoscopa

***mesites*** Razowski, 2014 (*Nesoscopa*), SHILAP Revista de Lepidopterologia 42: 337. TL: New Caledonia (Mt. Dzumac). Holotype ( ): USNM.

#### Notocytia

***dzumacana*** Razowski, 2014 (*Notocytia*), SHILAP Revista de Lepidopterologia 42: 353. TL: New Caledonia (Mt. Dzumac). Holotype ( ): USNM.

#### Olethreutes

***pivanica*** Dubatolov, Bogunova & Nedoshivina, 2014 (*Olethreutes*), Zootaxa 3779: 380. TL: Russia (Khabarovsk Province, near Komsomolsk-na-Amure, Pivan). Holotype ( ): ISEA.

#### Pachyluncaria

***Pachyluncaria*** Razowski, 2014, SHILAP Revista de Lepidopterologia 42: 463. Type species: *Pachyluncaria pachyluncus* Razowski, 2014. [Tortricinae: Archipini]

***pachyluncus*** Razowski, 2014 (*Pachyluncaria*), SHILAP Revista de Lepidopterologia 42: 463. TL: Kenya (Aberdares Nat. Park, Karuru Falls). Holotype ( ): RMCA.

#### Pandemis

***congenita*** Razowski, 2014 (*Pandemis*), SHILAP Revista de Lepidopterologia 42: 450. TL: Kenya (Aberdares Nat. Park, Ruhuruini). Holotype ( ): RMCA.

***congrua*** Razowski, 2014 (*Pandemis*), SHILAP Revista de Lepidopterologia 42: 451. TL: Kenya (Mount Kenya, Naro Moru). Holotype ( ): RMCA.

***loesthia*** Razowski, 2014 (*Pandemis*), SHILAP Revista de Lepidopterologia 42: 450. TL: Nigeria (Oludu CR, SE State). Holotype ( ): RMCA.

***saphes*** Razowski, 2014 (*Pandemis*), SHILAP Revista de Lepidopterologia 42: 452. TL: Kenya (Aberdares Nat. Park, Fishing Lodge Camp). Holotype ( ): RMCA.

***smicra*** Razowski, 2014 (*Pandemis*), SHILAP Revista de Lepidopterologia 42: 451. TL: Kenya (Aberdares Nat. Park, Kururu Falls). Holotype ( ): RMCA.

#### Paraeccopsis

***addis*** Aarvik, in Agassiz & Aarvik, 2014 (*Paraeccopsis*), Zootaxa 3861: 378. Ethiopia (Addis Ababa). Holotype ( ): ZMHU.

***botswanae*** Aarvik, in Agassiz & Aarvik, 2014 (*Paraeccopsis*), Zootaxa 3861: 379. Botswana (Mashatu, Tuli Game Reserve, Limpopo River). Holotype ( ): NHMO.

***pseudoinsellata*** Aarvik, in Agassiz & Aarvik, 2014 (*Paraeccopsis*), Zootaxa 3861: 381. Kenya (Rift Valley Province: Laikipia, Mpala Research Station). Holotype ( ): NHMO.

*tanzanica* Aarvik, in Agassiz & Aarvik, 2014 (*Paraeccopsis*), Zootaxa 3861: 377. Tanzania (Mbeya Districto, Utengule Lodge). Holotype ( ): NHMO.

*turi* Aarvik, in Agassiz & Aarvik, 2014 (*Paraeccopsis*), Zootaxa 3861: 379. Kenya (Rift Valley Province, Turi). Holotype ( ): BMNH.

*variegana* Agassiz & Aarvik, 2014 (*Paraeccopsis*), Zootaxa 3861: 374. Kenya (Rift Valley, L. Naivasha). Holotype ( ): NMK.

#### Peraglyphis

*xenuncus* Razowski, 2014 (*Peraglyphis*), SHILAP Revista de Lepidopterologia 42: 337. TL: New Caledonia (Panié). Holotype ( ): USNM.

#### Pelochrista

*crabtreei* Wright, 2014 (*Pelochrista*), Journal of the Lepidopterists Society 68: 193. TL: USA (Nevada, Nye County, 24 mi N Carvers, St. Hwy. 376). Holotype ( ): USNM.

*richersana* Wright, 2014 (*Pelochrista*), Journal of the Lepidopterists Society 68: 191. TL: USA (California, San Luis Obispo Co., Montana de Oro State Park). Holotype ( ): USNM.

#### Phtheochroa

*spinigera* Karisch & Blackstein, 2014 (*Phtheochroa*), Entomologische Nachrichten und Berichte 5: 168. TL: Morocco (Tafraut). Holotype ( ): ZMUC.

#### Procrica

*dolia* Razowski, 2014 (*Procrica*), SHILAP Revista de Lepidopterologia 42: 463. TL:

Kenya (Kakamega Forest). Holotype ( ): RMCA.

*fulvastra* Razowski, 2014 (*Procrica*), SHILAP Revista de Lepidopterologia 42: 462. TL: Congo Belge (P.N.A., Secteur Nord Vieux-Beni (lieu dit) 960 m route Beni-Kashindi). Holotype ( ): RMCA.

*misera* Razowski, 2014 (*Procrica*), SHILAP Revista de Lepidopterologia 42: 461. TL: Kenya (Taita Hills). Holotype ( ): RMCA.

*oluluana* Razowski, 2014 (*Procrica*), SHILAP Revista de Lepidopterologia 42: 460. TL: Kenya (Nairobi Region, Olulua Forest). Holotype ( ): RMCA.

*rectogramma* Razowski, 2014 (*Procrica*), SHILAP Revista de Lepidopterologia 42: 461. TL: Kenya (Aberdares Nat. Park Ruhuruini). Holotype ( ): RMCA.

*scorta* Razowski, 2014 (*Procrica*), SHILAP Revista de Lepidopterologia 42: 462. TL: Kenya (Gatamaiyu Forest). Holotype ( ): RMCA.

#### Rhopobota

*plethysma* Razowski, 2014 (*Rhopobota*), SHILAP Revista de Lepidopterologia 42: 349. TL: New Caledonia (5 km S Touho, Panandou River). Holotype ( ): USNM.

*podarion* Razowski, 2014 (*Rhopobota*), SHILAP Revista de Lepidopterologia 42: 349. TL: New Caledonia (Mt. Aoupinie). Holotype ( ): USNM.

#### Sirindhornia

*Sirindhornia* Pinkaew & Muadsub 2014, Zootaxa 3869: 54. Type species: *Sirindhornia pulchella* Pinkaew & Muadsub, 2014. [Oletreutinae: Enarmoniini]

***bifida*** Pinkaew & Muadsub, 2014  
(*Sirindhornia*), Zootaxa 3869: 61. TL:  
Thailand (Trat Province, Trat Agroforestry  
Research Station). Holotype ( ): KKIC.

***chaipattana*** Pinkaew & Muadsub, 2014  
(*Sirindhornia*), Zootaxa 3869: 59. TL:  
Thailand (Chanthaburi Province, Ang-Ed  
Com. forest). Holotype ( ): BMNH.

***curvicosta*** Pinkaew & Muadsub, 2014  
(*Sirindhornia*), Zootaxa 3869: 61. TL:  
Thailand (Chanthaburi Prov., Ang-Ed Com.  
for). Holotype ( ): KKIC.

***pulchella*** Pinkaew & Muadsub, 2014  
(*Sirindhornia*), Zootaxa 3869: 57. TL:  
Thailand (Nakhon Si Thammarat Prov., Khao  
Nan N.P.). Holotype ( ): BMNH.

#### Spilonota

***sclera*** Razowski, 2014 (*Spilonota*), SHILAP  
Revista de Lepidopterologia 42: 351. TL:  
New Caledonia (Rivière Blue). Holotype ( ):  
USNM.

***spicata*** Razowski, 2014 (*Spilonota*), SHILAP  
Revista de Lepidopterologia 42: 351. TL:  
New Caledonia (Mt. Mou). Holotype ( ):  
USNM.

***spoliata*** Razowski, 2014 (*Spilonota*),  
SHILAP Revista de Lepidopterologia 42:  
351. TL: New Caledonia (Rivière Blue).  
Holotype ( ): USNM.

#### Stenotenes

***marmorea*** Groenen, 2014 (*Stenotenes*), Suara  
Serangga Papua 8(4): 106. TL: Indonesia  
(Province Papua, Kecamatan Nipsan,  
Walmak). Holotype ( ): RMNH.

#### Thaumatovalva

***Thaumatovalva*** Timm & Brown, 2014,

ZooKeys 438: 115. Type species:  
*Thaumatovalva albolineana* Timm & Brown,  
2014. [Olethreutinae: Grapholitini]

***albolineana*** Timm & Brown, 2014  
(*Thaumatovalva*), ZooKeys 438: 121. TL:  
Democratic Republic of Congo (North Kivu,  
Rutshuru). Holotype ( ): RMCA.

***deprinsorum*** Timm & Brown, 2014  
(*Thaumatovalva*), ZooKeys 438: 119. TL:  
Democratic Republic of Congo (P.N.A.,  
Secteur Nord, Mutsora). Holotype: RMCA  
( ).

#### Tisma

***Tisma*** Razowski, 2014, SHILAP Revista de  
Lepidopterologia 42: 344. Type species:  
*Tisma mista* Razowski, 2014. [Olethreutinae:  
Olethreutini]

***mista*** Razowski, 2014 (*Tisma*), SHILAP  
Revista de Lepidopterologia 42: 345. TL:  
New Caledonia (Mt. Aoupinie). Holotype  
( ): USNM.

#### Tracheolena

***pellmyri*** Razowski, 2014 (*Tracholena*),  
SHILAP Revista de Lepidopterologia 42:  
335. TL: New Caledonia (Rivière Bleue).  
Holotype ( ): USNM.

***richibrowni*** Razowski, 2014 (*Tracholena*),  
SHILAP Revista de Lepidopterologia 42:  
336. TL: New Caledonia (Rivière Bleue).  
Holotype ( ): USNM.

#### Willibaldiana

***culatrae*** Trematerra, 2014 (*Willibaldiana*),  
Journal of Entomological and Acarological  
Research 46: 66. TL: Portugal (Ilha da  
Culatra, Algarve). Holotype ( ): Trematerra  
Collection, Italy.

Xenothictis

**tontouta** Razowski, 2014 (*Xenothictis*),  
SHILAP Revista de Lepidopterologia 42:  
340. TL: New Caledonia (3 km SW of  
Tontouta). Holotype ( ): USNM.

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**NEW COMBINATIONS,  
NEW SYNONYMIES,  
MISSPELLINGS, ETC.**

- acclivana* Zerny, 1933 (*Cacoecia*)  
synonymized with *neglectana* Herrich-  
Schäffer, 1851 (*Clepsis*) (Karisch &  
Blackstein 2014)
- albonigra* Razowski & Wojtusiak, 2012  
(*Niphadophylax*) transferred to  
*Conaspasia* (Aarvik & Agassiz 2014)
- arenacea* Meyrick, 1917 (*Polychrosis*)  
transferred to *Eccopsis* (Brown 2014)
- bisecta* Meyrick, 1918 (*Eucosma*) transferred  
to *Camptrodoxa* (Aarvik & Agassiz 2014)
- brevibasana* Walsingham, 1891 (*Penthina*)  
transferred to *Neaspasia* (Aarvik &  
Agassiz 2014)
- brevisecta* Meyrick, 1930 (*Argyroproce*)  
transferred to *Neaspasia* (Aarvik &  
Agassiz 2014)
- chlorochara* Razowski & Wojtusiak, 2008  
(*Epinotia*) transferred to *Crocidosema*  
(Razowski & Becker 2014)
- chrysolampra* Diakonoff, 1969 (*Stenentoma*)  
transferred to *Camptrodoxa* (Aarvik &  
Agassiz 2014)
- colasi* Guillermet, 2006 (*Cryptophlebia*)  
transferred to *Thaumatotibia* (Timm &  
Brown 2014)
- contrastana* Kearfott, 1907 (*Commophila*)  
synonymized with *edwardsiana*  
Walsingham, 1884 (Metzler & Brown  
2014)
- cornuta* Razowski, 1995 (*Rhopobota*)  
transferred to *Neaspasia* (Aarvik &  
Agassiz 2014)
- deltophora* Meyrick, 1921 (*Polychrosis*)  
transferred to *Paraeccopsis* (Agassiz &  
Aarvik 2014)
- destrumeli* Guillermet, 2006 (*Cryptophlebia*)  
transferred to *Thaumatotibia* (Timm &  
Brown 2014)
- eltundana* Razowski & Wojtusiak, 2008  
(*Eccopsis*) transferred to *Megalota*  
(Brown 2014)
- Getenancylis* Razowski 1995 synonymized  
with *Neaspasia* Diakonoff (Aarvik &  
Agassiz 2014)
- guarandae* Razowski & Wojtusiak, 2008  
(*Epinotia*) transferred to *Crocidosema*  
(Razowski & Becker 2014)
- homalota* Razowski, 1995 (*Genetancylis*)  
transferred to *Neaspasia* (Aarvik &  
Agassiz 2014)
- inclyta* Meyrick, 1925 (*Camptrodoxa*)  
synonymized with *plectocosma* Meyrick,  
1921 (Aarvik & Agassiz 2014)
- limbata* Diakonoff, 1969 (*Grapholita*)  
transferred to *Thaumatovalva* (Timm &  
Brown 2014)
- liparochra* Meyrick, 1928 (*Capua*) transferred  
to *Epichoristodes* (Razowski 2014)
- monitrix* Meyrick, 1909 (*Eucosma*)  
transferred to *Namasia* (Aarvik & Agassiz  
2014)
- multistrigata* Razowski & Wojtusiak, 2008  
(*Epinotia*) transferred to *Crocidosema*  
(Razowski & Becker 2014)
- onychosema* Diakonoff, 1969 (*Stenentoma*)  
transferred to *Camptrodoxa* (Aarvik &  
Agassiz 2014)
- ophima*; Razowski, 2014 (misspelling of  
*ophina* Bradley) (Razowski 2014)
- ophina* Bradley, 1965 (*Niphothixa*)  
transferred to *Pandemis* (Razowski 2014)
- orthacta* Meyrick, 1908 (*Argyroproce*)  
transferred to *Neaspasia* (Aarvik &  
Agassiz 2014)
- oxymochla* Meyrick, 1917 (*Polychrosis*)  
transferred to *Eccopsis* (Brown 2014)
- pecosana* Kearfott, 1907 (*Phtheochroa*)  
synonymized with *cartwrightana*  
Kearfott, 1907 (Metzler & Brown 2014)

*pharangodes* Meyrick, 1920 (*Eucosma*)  
transferred to *Eucosmocydia* (Agassiz &  
Aarvik 2014)

*pholicosta* Razowski & Wojtusiak, 2012  
(*Stenentoma*) transferred to *Afroicelita*  
(Aarvik & Agassiz 2014)

*plectocosma* Meyrick, 1921 (*Laspeyresia*)  
transferred to *Camptrodoxa* (Aarvik &  
Agassiz 2014)

*rhodaspis* Meyrick, 1928 (*Laspeyresia*)  
transferred to *Cydia* (Razowski & Becker  
2014)

*rhodesiae* Razowski & Brown, 2009  
(*Neaspasia*) synonymized with *orthacta*  
Meyrick (Aarvik & Agassiz 2014)

*runtunica* Razowski & Wojtusiak, 2008  
(*Runtunia*) transferred to *Crociosema*  
(Razowski & Becker 2014)

*scotiana* McDunnough, 1958 (*Thiodia*)  
synonymized with *annetteana* Kearfott,  
1907 (Wright 2014)

*sophrona* Razowski & Wojtusiak, 2012  
(*Niphadophylax*) transferred to  
*Conaspasia* (Aarvik & Agassiz 2014)

*sorindeiae* Razowski & Brown, 2012  
(*Stenentoma*) transferred to *Camptrodoxa*  
(Aarvik & Agassiz 2014)

*spinai* Razowski & Trematerra, 2010  
(*Thaumatotibia*) transferred to  
*Thaumatovalva* (Timm & Brown 2014)

*Stenentoma* Diakonoff, 1969 synonymized  
with *Camptrodoxa* (Agassiz & Aarvik  
2014)

*tenebrica* Razowski & Wojtusiak, 2006  
(*Epinotia*) transferred to *Crociosema*  
(Razowski & Becker 2014)

*trivia* Meyrick, 1913 (*Tortrix*) synonymized  
with *neglectana* Herrich-Schäffer, 1851  
(*Clepsis*) (Karisch & Blackstein 2014)

*ziscana* Kearfott, 1907 (*Phalonia*)  
synonymized with *bomonana* Kearfott,  
1907 (Metzler & Brown 2014)

## LITERATURE IN SUPPORT OF TAXONOMIC CHANGES

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the related *Conaspasia*, n. gen  
(Lepidoptera: Tortricidae). *Zootaxa* 3754:  
1176132.
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*Stenentoma* Diakonoff, 1969 and in  
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Olethreutinae). *Journal of Lepidopterists  
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## TRACKING OUR TAXONOMIC PROGRESS, 2005–2014

The following table provides a brief assessment of the number of new species and genera described in Tortricidae since 2005. Since 2004, our community has described an average of 191 species and 12 genera per year. In 2014, the Afrotropical Region received the greatest attention with papers from Aarvik & Agassiz, Agassiz & Aarvik, Razowski, Razowski & Giliomee, and Timm & Brown. In regards to faunal regions, about

34% of the new species are from the Afrotropical Region; about 24% from the Neotropics; and about 20% from New Caledonia.

2005	123 species	4 genera
2006	165 species	32 genera
2007	159 species	9 genera
2008	239 species	14 genera
2009	256 species	11 genera
2010	262 species	8 genera
2011	165 species	7 genera
2012	234 species	18 genera
2013	148 species	7 genera
2014	160 species	9 genera

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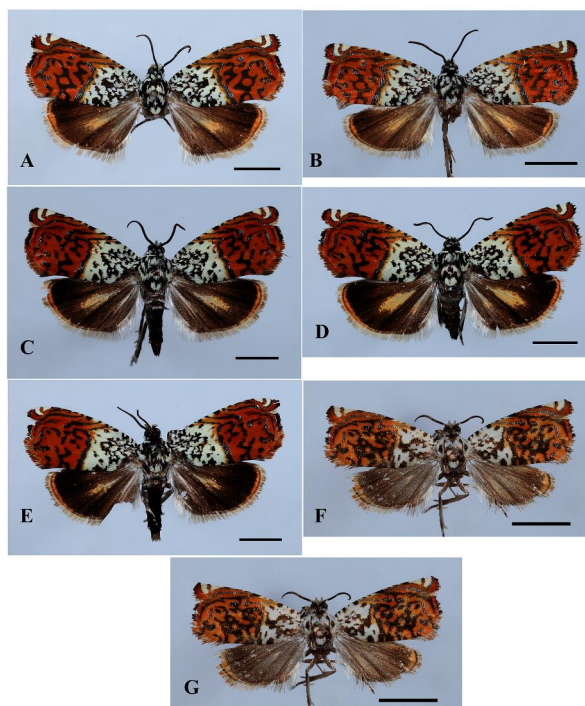
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Adults of *Sirindhornia* from Pinkaew and Muadsub (2014).

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