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EntNews



The Newsletter of the Department of Entomology

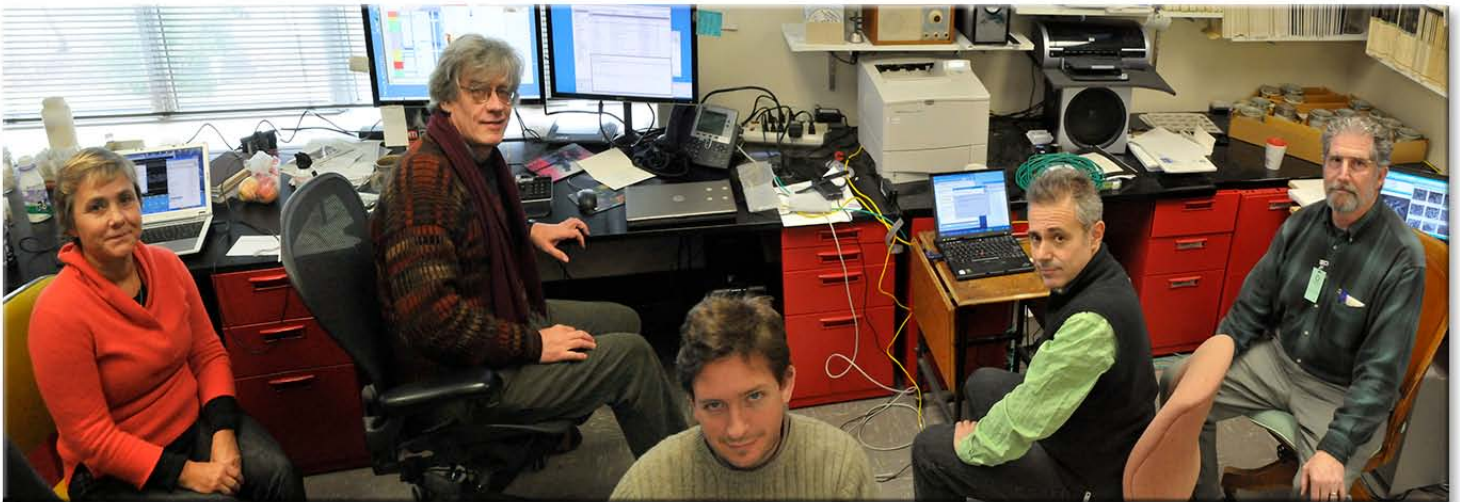
Vol. 23, no. 12, December 2008



Brian Harris & Paul Barselou



Charles Staines, Mauro Daccordi, David Furth & Jorge Santiago-Blay



Petra Sierwald, Jonathan Coddington, Lorenzo Prendini, Gustavo Hormiga and Charles Griswold

On the cover: B. Harris & P. Barselou (photo by Brian Harris); Staines, Daccordi, Furth & Santiago-Blay (photo by Dave Furth); Sierwald, Coddington, Prendini, Hormiga & Griswold (photo by Jerry Louton).

ANNOUNCEMENTS:

The 1124th Regular Meeting of the **Entomological Society of Washington** convened at 7:00pm on January 08 in the Carolyn Rose Room of the National Museum of Natural History. As Past-President of the Society, Gary Hevel presented the topic "Bio Blitzes West and Northeast."

The **2009 officers** for the Entomological Society of Washington are President Jil Swearingen, President-Elect Sean Brady, Treasurer Mike Pogue, Program Chairman Matt Buffington, Recording Secretary Gary F. Hevel, Membership Secretary Hollis Williams, Co-editors Mike Gates and Robert Kula, Custodian Jon Lewis, and Past-President Gary F. Hevel.

GENERAL NEWS:

Stuart McKamey participated in, and was the key scientific consultant for a documentary on treehoppers (Insecta: Hemiptera: Membracidae) in November. The scientific team also included Rex Cocroft (Univ. of Missouri; membracid communication), Carolina Godoy (Universidad Estatal de Distancia, Costa Rica; author of membracid book), and Nik Tatarnic (University of New South Wales, Sydney, Australia). Produced jointly by Mona Lisa Productions (Lyon, France) and Breakthrough Productions (Toronto, Canada), the completed documentaries will be shown in Canada on CBC probably next Fall in the series "The Nature of things," and in the U.S.A. on Discovery Channel.

PUBLICATIONS:

(** retired, emeritus, or former dept. member)

Brown, J.W. 2008. **book review** of "Tortricidae of the Palearctic Region. Volume 1. General Part and Tortricini," by Jozef Razowski. Proc. Entomol. Soc. Wash. 110(4): 1246-1248.

Brown, J.W. 2008. **book review** of "The Washington Biologists' Field Club: Its Members and Its History," edited by Matthew C. Perry. Proc. Entomol. Soc. Wash. 110(4): 1249-1250.

Henry, T.J. 2008. First North American records for the Palearctic *Orius majusculus* (Reuter) (Hemiptera: Heteroptera: Anthocoridae). Proc. Entomol. Soc. Wash. 110(4): 953-959.

--abstract-- *Orius majusculus* (Reuter), a widespread Palearctic species, is reported in North America for the first time based on specimens collected in Ontario, Canada. A diagnosis, description, photographs of the adult, photomicrographs of selected structures, and illustrations of male genitalia are presented to help distinguish *O. majusculus* from other North American species of the genus.

Henry, T.J. & Wheeler, A.G., Jr. 2009. John D. Lattin: Festschrift for an eminent and passionate heteropterist, with a list of his publications. Proc. Entomol. Soc. Wash. 110(4): 825-832.

Kerzhner, I. M. & Henry, T.J. 2008. Three new species, notes and new records of poorly known species, and an updated checklist for the North American Nabidae (Hemiptera: Heteroptera). Proc. Entomol. Soc. Wash. 110(4): 988-1011.

--abstract-- Three new species of North American Nabidae are described: *Hoplistoscelis confusa*, n. sp., *Nabis latior* n. sp., and *Pagasa lattini* n. sp. A diagnosis, description, a dorsal and lateral color photograph, a pen and ink dorsal habitus illustration, drawings of male and/or female genitalia, and comments on their relationship with other species are given for each. *Nabis mexicanus* Remane is recorded from the United States for the first time and new U.S. state or Canadian province records are given for several species. Clarification of misidentifications, since the 1988 North American Nabid catalog, are reported. A revised checklist of the North American Nabidae is provided, giving current generic and subgeneric combinations for 41 species.

Konstantinov, A.S. 2008. book review of "Leaf and Seed Beetles of South Carolina (Coleoptera: Chrysomelidae and Orsodacnidae)" by Hani Faig Kaddumi. Proc. Entomol. Soc. Wash. 110(4): 1253-1254.

Mathis, W.N. & Zatwarnicki, T. 2008. A revision of the Nearctic species of *Hecamedoides* Hendel (Diptera: Ephydriidae). Proc. Entomol. Soc. Wash. 110(4): 1012-1027.

--abstract-- Species of the shore-fly genus *Hecamedoides* Hendel from the Nearctic Region are revised, including description of *H. lattini*, new species (Virginia. Stafford: Falmouth (38 19.2'N, 7728.1'W; Rappahannock River; 9 m). To provide context and also to facilitate identification, diagnoses are provided for the tribe Discocerini and genus in addition to a key to the genera and species, *H. lattini* and *H. unispinosus*, occurring in the New World. Diagnostic characters, especially of the male terminalia, are illustrated, and distribution maps are also provided.

McKamey, S.H. 2008. A new genus, *Smilirhexia*, of Smillini (Hemiptera, Membracidae) from Costa Rica. ZooKeys 3: 51-55.

--abstract-- *Smilirhexia naranja*, gen. n. and sp. n., is described from Central America, the southern limit of the tribe Smillini, and represents a strong divergence from the morphology of the oak-feeding genera prevalent in North America.

Pogue, M.G. & Simmons, R.B.** 2008. A new pest species of *Copitarsia* (Lepidoptera: Noctuidae) from the Neotropical Region feeding on *Asparagus* and cut flowers. Ann. Entomol. Soc. Am. 101(4): 743-762.

--abstract--The egg, first and last instars, and adult of *Copitarsia corruda*, n. sp. from Mexico, Colombia, Ecuador, and Peru are described and illustrated. Larval host plant genera include *Asparagus* (Liliaceae) (Mexico, Colombia and Ecuador), *Iris* (Iridaceae) (Ecuador), *Ammi* (Apiaceae) (Ecuador), *Lysimachia*.

Polhemus, J.T. & Polhemus, D.A.** 2008. A new genus of ptilomerine Gerridae (Hemiptera:

Heteroptera) from Flores, Lesser Sunda Islands. Proc. Entomol. Soc. Wash. 110(4): 1042-1049.

--abstract-- A new genus of Gerridae, *Floresiobates*, is described from the island of Flores in the Lesser Sunda Islands of eastern Indonesia, with *F. lattini* n. sp. as the type species. *Floresiobates* is compared with *Rheumatogonus* Kirkaldy and *Jucundus* Distant, and these three genera are considered on the basis of various shared character states to be closely related. Illustrations of key characters and a distribution map are provided, accompanied by a discussion of the ecological setting in which the type series was collected, and a consideration of the biogeographic implications of this discovery.

Robbins, R.K. & Busby, R.C. 2008. Phylogeny, Taxonomy and Sympatry of *timaeta* (Lycaenidae: Theclinae: Eumaeini): An Andean Montane Forest Endemic. Tijds. voor Entomol. 151: 205-233.

--abstract--Taxonomy of the Andean lycaenid hairstreak genus *Timaeta* Johnson et al. and its fifteen sexually dimorphic species is detailed for the first time. Species accounts summarize nomenclature, distribution, habitat, behavior, and distinguishing traits, as well as noting why each species is considered distinct under a biological or phylogenetic species concept and how males and females were associated. An identification key for males and a nomenclatural checklist are included. Nomenclatural actions include the description of *Timaeta christina* Ribbubs & Busby sp. n., *Timaeta matthewi* Busby & Robbins sp. n., *Timaeta walteri* Busby & Robbins sp. n., *Timaeta roberti* Busby & Robbins sp. n., *Timaeta cospata* Robbins & Busby sp.n., *Timaeta pilosa* Robbins & Busby sp. n., *Timaeta gabriela* Busby & Robbins sp. n., and *Timaeta romero* Robbins & Busby sp. n. *Timaeta neblina* (Salazar & K. Johnson, 1997) is a new synonym of *Timaeta eronos* (H. H. Druce, 1890). A phylogenetic analysis is based on 17 coded morphological characters and yields two most parsimonious 30-step trees. Successive weighting does not change tree topology. The node chosen to delimit *Timaeta* is the one that had the highest jackknife support and was most stable with past

usage. Generic names *Trochusinus* K. Johnson, Salazar & Velez, 1997 and *Jagiello* Balint & Wojtusiak, 2000 are confirmed as synonyms of *Timaeta* K. Johnson, Kruse & Kroenlein, 1997. Recent revisions of primarily Andean butterfly genera have had a significant proportion of previously unnamed species, and *Timaeta* fits this pattern with eight of 15 species previously undescribed. Most sister lineages within *Timaeta* are sympatric, and more than half the species occur between 1500m and 2000m in eastern Ecuador. This pattern of sympatry is similar to that of primarily lowland eumaeine genera, but contrasts with repeated reports of elevational allopatry/parapatry in Andean butterflies and birds.

Smith, D.R.** 2008. New species of Argidae and Pergidae (Hymenoptera) from Central America. Proc. Entomol. Soc. Wash. 110(4): 1212-1219.

--**abstract**—*Scobina lattini*, n. sp., from Costa Rica and Panama, *S. alas*, n. sp., from Costa Rica (Argidae), and *Decameria lattini*, n. sp., from Costa Rica (Pergidae) are described. The species are illustrated, and a key is presented for the four species of *Scobina* having bicolored wings in which vein M meets Sc+R some distance from the point where vein Rs+M meets Sc+R.

Smith, D.R.** 2008. Aulacidae of the southwestern United States, Mexico, and Central America. Beitr. Ent. 58(2): 267-355.

---**summary**--- Forty-two species of Aulacidae are recorded from the southwestern United States (southern Texas, New Mexico, Arizona), Mexico, and Central America, including 11 species of *Aulacus* Jurine and 1 species of *Pristaulacus* Kieffer. Eight species are known from southwestern United States, 27 from Mexico, one from Guatemala, three from Honduras, one from Nicaragua, 11 from Costa Rica, and two from Panama. Taxa included are: *Aulacus maculosus*, n. sp. (Costa Rica); *A. ochreus* Smith 2005 (Costa Rica); *A. fascius*, n. sp. (Mexico); *A. veracruz*, n. sp. (Mexico); *A. costaricensis*, n. sp. (Costa Rica); *A. heredia*, n. sp. (Mexico); *A. elongatus*, n. sp. (Panama, Costa

Rica); *A. leon*, n. sp. (Mexico); *A. whartoni*, n. sp. (Mexico); *A. aneurus* Walkley, 1952 (US: New Mexico); *A. dispilis* Townes, 1950 (US: Texas); *Pristaulacus argutus*, n. sp. (Mexico); *P. tria*, n. sp. (Costa Rica); *P. maculatus* (Schletterer, 1889) (Costa Rica, Nicaragua, Panama); *P. ruficollis* (Cameron, 1887) (Guatemala, Honduras, Mexico); *P. auricomus*, n. sp. (Honduras, Mexico, US: Arizona); *P. virga*, n. sp. (Mexico); *P. punctum*, n. sp. (Costa Rica); *P. decorus*, n. sp. (Mexico); *P. aquilus*, n. sp. (Mexico); *P. torridus* (Bradley, 1908) (US: Texas); *P. anteala*, n. sp. (Costa Rica); *P. tricolora*, n. sp. (Mexico); *P. nigrocoxae*, n. sp. (Mexico); *P. unimacula*, n. sp. (Mexico); *P. postala*, n. sp. (Mexico); *P. stangei*, n. sp. (Mexico); *P. tenuis*, n. sp. (Mexico); *P. decolorus*, n. sp. (Mexico); *P. singulus*, n. sp. (Costa Rica); *P. candidus*, n. sp. (Mexico); *P. omninoniger*, n. sp. (Mexico); *P. townesi*, n. sp. (Mexico); *P. arizonicus* (Townes, 1950) (US: Arizona); *P. rufitarsis* (Cresson, 1864) (US: Arizona, California, New Mexico); *P. ruficruris*, n. sp. (Mexico, US: Texas); *P. parkeri*, n. sp. (Mexico); *P. mexiuni*, n. sp. (Mexico, US: Arizona, Texas); *P. totoferrugineus*, n. sp. (Mexico); *P. hespenheidei*, n. sp. (Mexico); *P. tamaulipas*, n. sp. (Mexico); *P. annulatus* Kieffer, 1911 (Mexico). *Aulacus hyalinipennis* Westwood, 1841, is placed in species *incertae sedis* of Aulacidae.

Solis, M.A. & Goolsby, J.A. 2008. New host association for Mexican rice borer in Texas. Southwest. Entomol. 33(3): 237.

Wheeler, A.G., Jr., Hoebeke, E.R., & Miller, G.L.** 2008. New records of Hemiptera (Sternorrhyncha: Cicadomorpha: Heteroptera) for Newfoundland, Canada. Proc. Entomol. Soc. Wash. 110(4): 1239-1245.

--**abstract**—The first Newfoundland records are given for 12 Palearctic species: the aphids *Acyrtosiphon caraganae* (Cholodkovsky), *A. pisum* (Harris), *Hyperomyzus lactucae* (L.), *Macrosiphoniella artemisiae* (Boyer de Fonscolombe), *Pleotrichophorus glandulosus* (Kaltenbach), *Tuberculatus annulatus* (Hartig), and

Uroleucon cirsii (L.); leafhoppers *Athysanus argentarius* Metcalf and *Grypotes puncticollis* (Herrich-Schaeffer); anthocorids *Acompocoris pygmaeus* (Fallen) and *Anthocoris confusus* Reuter; and microphysid *Loricula pselaphiformis* Curtis. All 12 Old World species are considered immigrant (rather than intentionally introduced) in Newfoundland. Two mirid species native to North America – *Deraeocoris piceicola* Knight and *D. pinicola* Knight—also are reported as new to the island. All hemipteran species were collected in the eastern Avalon Peninsula (13 were found at the major port city of St. John's) and were found mainly on Old World plants. The record of the mirid *D. piceicola* is the first for eastern Canada, and that of the microphysid *L. pselaphiformis* represents the second for North America; this species was known previously only from Halifax, Nova Scotia. A summary of the previously recorded North American distributions and host-plant associations of the 14 species is provided.

VISITORS:

Emelie Apinda-Legnouo from the University of Sciences and Technologies of Masuku, Lobreville, Gabon visited Oliver Flint and Dave Furth and the Odonata Collection on January 09 to determine material and see how collections are databased and stored.

Annick Bay from the Universitaires Notre-Dame de la Paix, Brussels, Belgium will visit both Gary Hevel and the Lampyridae Collection and Natalia Vandenberg and the Elateridae Collection January 26-27.

Andrew Cline from the California Department of Agriculture in Sacramento, California will visit Terry Erwin, Warren Steiner and other beetle workers January 14-16.

Sylvio Codella from Kean University, New Jersey, visited Dave Smith and the Diprionidae Collection on November 15.

Lynn Fletcher from Cornell University visited Dave Smith and the Sawfly Collection on December 15.

R. Wills Flowers from Center for Biological Control, Tallahassee, Florida visited Alexander Konstantinov and the Chrysomelidae Collection December 29, 2008, to January 02.

Jon Gelhaus from the Academy of Natural Sciences in Philadelphia, Pennsylvania, visited Wayne Mathis and the Tipulidae Collection on January 12.

Charles Griswold from the California Academy of Sciences, San Francisco, was a visitor with Jon Coddington and the Arachnida Collection December 16-20.

Dietrich Gotzek from the University of Lausanne, Switzerland visited Sean Brady on January 13 to discuss research projects.

Henri Goulet from Agriculture and Agri-Food Canada visited Dave Smith and the Siricidae Collection December 01-05.

Daniel Gruner from the University of Maryland visited Dave Smith and the Siricidae Collection on December 05.

Gustavo Hormiga from George Washington University, D.C., visited Jon Coddington and the Arachnida Collection December 16-20.

Kojun Kanda from the University of Arizona visited Warren Steiner and the Tenebrionidae Collection January 05-07 to study *Coniontis* material for an on-going revision, and sort Ecuador canopy fogged Tenebrionidae.

Lorenzo Prendini from the American Museum of Natural History, New York visited Jon Coddington and the Arachnida Collection December 16-20.

Petra Sierwald from the Field Museum, Chicago, was a visitor with Jon Coddington and the Arachnida Collection December 16-20.

Brian Thompson from the University of Maryland visited Dave Smith and the Siricidae Collection on December 05

Mike Turell of the United States Army Medical Research Institute for Infectious Diseases, Maryland

visited Gary Hevel on Sunday, January 11 to leave insect specimens for identification.

Jean Pol Vigneron from Universitaires Notre-Dame de la Paix, Brussels, Belgium will visit both Gary Hevel and the Lampyridae Collection and Natalia Vandenberg and the Elateridae Collection January 26-27.

Alexey Zinovjev from Randolph, Massachusetts visited Dave Smith and the Sawfly Collection December 17-18.

TRAVEL:

Brian Harris, who works in both Lepidoptera and Hymenoptera units, recently returned from a two week collecting trip (November) to the Cosnipata Valley in SE Peru. The main focus of the trip was a sampling of hairstreak butterflies and their elevational distributions along the Cosnipata highway which goes from Cuzco to the Amazonian basin. The trip was organized by Mike McInnis of Kentucky and Dr. Gerardo Lamas of the Natural History Museum in Lima. The "camp" was at the Manu Paradise Lodge in San Pedro at 100 meters. There were three other participants as well. A species database has been created and the information will be published in the future. More expeditions are in the planning stages for 2009 and 2010.

Brian Harris has also been active in packing and shipping butterfly collections back to the Department of Entomology. Last year, he traveled to Santa Monica, California to ship the Paul Barselou Collection of worldwide butterflies. Dr. Barselou, now 86, has been a long-time resident of Santa Monica, and an avid collector of butterflies for over forty years. His collection was professionally appraised at \$80,000, and includes more than 4,000 specimens, of which 1,700 are pinned. The most valuable and rare specimens in the collection belong to the neotropical genus *Agrias*, one of the most sought after of butterflies, and were the subject of a book written by Dr. Barselou. This collection is a great addition to the holdings at the Smithsonian Institution.

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