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# EntNews

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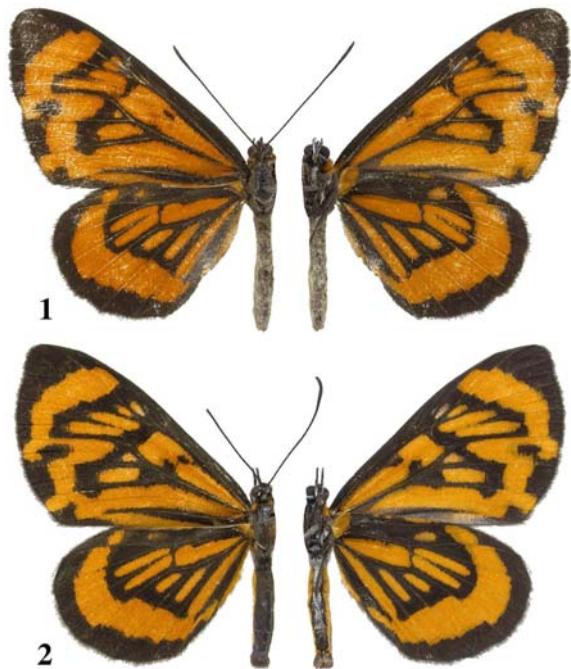


Elsie Froeschner 1913?-2006



Jens Prena

Our colleague Jason Hall has described many riordinid butterflies in his career. The latest is the one shown here, just published in the *Journal of the Lepidopterists' Society* (see "Publications"). It is seasonally appropriate, and has been named *Stalachtis halloweeni* Hall & Fratello.



## Front Page:

--**Tom Henry** recently advised members of the combined entomological staff that former illustrator **Elsie Froeschner** died in September in Indiana. Mrs. Froeschner was a staff member with the Department of Entomology for many years, supporting illustration needs of researchers. In particular, she was known for her illustrations of true bugs in the family Tingidae for the work of her husband, Richard Froeschner. She was Vice President with the Guild of Natural History Illustrators when it was first formed many years ago, and established a reputation of excellent, reliable work.

--**Jens Prena** from Germany has successfully been established in a postdoctoral position with sponsorship through the Systematic Entomology Lab, after some initial administrative problems.

--Happy Halloween from **Jason Hall**.

(Photo credits: Froeschner (in 1974), Prena/G. Hevel; riodinid images/J. Hall). Formatting of front page/ J. Louton.

## ANNOUNCEMENTS:

The 1103<sup>rd</sup> regular meeting of the **Entomological Society of Washington** convened on October 05 at 7:00 pm in the Cathy Kerby Seminar Room at the National Museum of Natural History. **Akito Kawahara** presented the program “Thirty-foot Telescopic Nets, Bug-collecting, Videogames, and \$1000 Beetle Pets: Entomology in Modern Japan.”

The 1104<sup>th</sup> regular meeting of the **Entomological Society of Washington** will convene on November 02 at 7:00 pm in the Cathy Kerby Seminar Room at the National Museum of Natural History. **Faith Deering** from the University of Massachusetts in Amherst will

present the program “Lac, from Forest to Factory.”

Two **postdoctoral positions** are available to participate in the PBI project on the parasitic wasp superfamily Platygastridae. The goals of this project are to work on the basic taxonomy of a major group of these wasps (the Scelionini), phylogenetic analysis of the superfamily using both molecular and morphological data, and field work to increase the extent and quality of collections. The successful candidates will be involved in all three of these areas. One postdoctoral position will be based at Ohio State University, working with N. F. Johnson, and the other will also work extensively in the laboratory of A. D. Austin at the University of Adelaide in Australia. Requirements include experience in descriptive taxonomy with a preference for previous work with parasitic Hymenoptera; experience with PCR techniques and DNA sequencing; the ability to work independently and congenially in a busy laboratory; good oral and written skills; and experience with computational techniques for analyzing sequence and morphological data for phylogenetic purposes. Familiarity with databases and SQL, and experience with foreign field work collecting microhymenoptera are both highly desirable. Please e-mail a letter of application outlining research experience and interests along with your CV, reprints, and e-mail addresses of three referees to Norman Johnson at [Johnson.2@osu.edu](mailto:Johnson.2@osu.edu). Closing date: November 01, although applications will continue to be considered until both positions are filled.

## GENERAL NEWS:

**Jonathan Mawdsley** has recently provided details on a successful visit to South Africa (in September). He is conducting two research

projects in Kruger National Park. For the first project he is conducting an inventory of tiger beetles within the park, with a special focus on the species found in riparian habitats. The tiger beetle fauna of the park has not been studied in detail and there is a good probability of undescribed species, particularly in the genus *Dromica*. The second project is attempting to determine the relative importance of beetles as pollinators on flowering trees within the park, with a focus on species in the genus *Melyris* (Coleoptera: Melyridae). Very little is known about the ecology of these beetles although they are often abundant and museum specimens are frequently coated with pollen grains. Jonathan has two formal agreements with South African National Parks which authorize collection of specimens and removal of material from the country for deposition in U.S. collections; these agreements expire at the end of 2008. He also has a formal export permit from South Africa which was issued at the end of his most recent trip.

## PUBLICATIONS BY STAFF:

Research papers by retired members of the combined entomological staff will be listed, and those will be preceded by a double asterisk.

**Brown, J. W.** 2006. A new species of *Cochylis* (Lepidoptera: Tortricidae: Cochylini) from Argentina: a potential biocontrol agent against pompom weed (Asteraceae). Proc. Entomol. Ent. Soc. 108(4): 899-904.

--abstract— *Cochylis campuloclinium*, new species, is described and illustrated from Argentina. The new species was discovered during efforts to find biological control agents against pompom weed, *Campuloclinium macrocephalum* (Less.) D.C. (Asteraceae), a perennial of the New World tropics that recently has invaded South Africa. The new species is similar to *C. argentinana* Razowski but can be distinguished by the shape of the sacculus in the male genitalia: a hooked-shaped process in *C. campuloclinium*, a broad, distally excavated plate in *C. argentinana*. Conle, O. V., F. H. Hennemann, and **D. E.**

**Perez-Gelabert.** 2006. Studies on neotropical Phasmatodea III: a new species of the genus *Anisomorpha* Gray, 1835 (Phasmatodea: Pseudophasmatidae: Pseudophasmatinae) from Hispaniola. Proc. Entomol. Soc. Wash. 108(4): 885-891.

--abstract— *Anisomorpha clara*, n. sp., from Hispaniola is described and illustrated from both sexes. It is the first record of true *Anisomorpha* Gray, 1835, in the Greater Antilles.

**Ferguson\*, D. C. & P. A. Opler.** 2006. Checklist of the Arctiidae (Lepidoptera: Insecta) of the continental United States and Canada. Zootaxa 1299: 1-33.

--abstract—A checklist of the 282 species of Arctiidae of North America north of Mexico is presented. The list reflects changes in taxonomy and additions to the fauna since publication of the *Checklist of the Moths of America North of Mexico* in 1983. *Pagara* Walker, 1856 and *Neophynes* Hampson, 1900 are transferred from Lithosiinae to Arctiinae. Lectotypes are designated for *Arctia incorrupta* Henry Edwards, 1881, and *Arctia incorrupta* Henry Edwards, 1881. Two new combinations are proposed: *Cisthene tenuifascia schwarzi* Dyar, 1899, and *Trocodima fuscipes* (Grote, 1883). *Arachnis citra verna* Barnes & McDunnough, 1918 is proposed as a revised status. "*Afrida*" *exegens* Dyar, 1922 is reported for North America for the first time, but its subfamily and generic placement are uncertain. *Clemensia patella* (Druce, 1885) is raised from synonymy with *Clemensia albata* Packard, 1864. Seventeen taxa are designated as new or revised synonyms: *Arctia oithona* Strecker, 1878 (= *Grammia phyllira* (Drury, 1773)); *Arctia rectilinea* French, 1879 (= *Grammia phyllira* (Drury, 1773)); *Arctia conspicua* Stretch, 1906 (= *Grammia phyllira* (Drury, 1773)); *Arctia quadranotata* Strecker, 1880 (= *Grammia f-pallida* (Strecker, 1878)); *Apantesis sociata* Barnes & McDunnough, 1910 (= *Grammia f-pallida* Strecker, 1878); *Apantesis moierra* Dyar, 1914 (= *Grammia f-pallida* (Strecker, 1878)); *Apantesis mormonica* Neumoegen, 1995 (= *Notarctia arizoniensis* (Stretch)); *Arctia caja parva* Rothchild, 1910 (= *Arctia opulenta* (Henry Edwards, 1881)); *Kodiosoma*

*otero* Barnes, 1907 (= *Kodiosoma fulva* Stretch, 1972); *Estigmene arizonensis* Rothschild, 1910 (= *Estigmene albida* Stretch, 1874); *Ecpantheria denudate* Slosson, 1888 (= *Hypercompe scribonia* (Stoll, [1790])); *Arachnis hampsoni* Dyar, 1903 (= *Arachnis picta maia* Ottolengui, 1896); *Arachnas midas* Barnes & Lindsey, 1921 (= *Arachnis citra verna* Barnes & McDunnough, 1918); *Arachnis apachea* Clarke, 1941 (= *Arachnis citra verna* Barnes & McDunnough, 1918); *Euchaetes pudens* (Henry Edwards, 1882) (= *Cyenia collaris* Fitch, 1856)); *Arctia sciurus* Boisduval, 1869 (= *Cyenia tenera* Hubner, 1827); *Pygarctia albistrigata* Barnes & McDunnough, 1913 (= *Pygarctia pterygostigma* Dyar, 1909); and *Microdota hemiceras* Forbes, 1931 (= *Trocodima fuscipes* (Grote, 1883)). *Hahysidota underwoodi* Rothschild and *H. fuliginosa* Rothschild are removed from the North American list because their inclusion was based on specimens that likely are mislabeled. *Afrida ydatodes* Dyar, 1913 and *Afrida minuta* (Druce, 1885) are removed from the Arctiidae and should be placed elsewhere, probably in Noctuidae.

\* DECEASED

**Gagne, R. J.** 2006. book review of "Biology, Ecology, and Evolution of Gall-Inducing Arthropods, A. Raman, C. W. Schaefer, and T. M. Withers, eds." Proc. Entomol. Soc. Wash. 108(4): 1011-1014.

**Gagne, R. J.** and J. Etienne. 2006. *Gephyraulus mangiferae* (Felt), n. comb. (Diptera: Cecidomyiidae): a mango pest from India newly recorded from the Western Hemisphere. Proc. Entomol. Soc. Wash. 108(4): 930-937.

--**abstract**—*Dasineura mangiferae* Felt (n. comb.) transferred here to the genus *Gephyraulus*, is a cecidomyiid native to India that lives in and destroys the flowers of mango, *Mangifera indica* (Anacardiaceae). It is reported here from Guadeloupe, French West Indies, as the first record for the Americas. Adults of both sexes and the pupa and larva are redescribed with illustrations. This gall midge is discriminated from its congeners as well as from *Procontarinia mangiferae* (Felt), a second pest of mango

inflorescences from India already in the West Indies and South America. *Gephyraulus* was previously known only in the Palearctic Region from nine species, all infesting flowers of Brassicaceae. *Procystiphora indica* Grover and Prasad from India is also moved to *Gephyraulus* (n. comb.).

**\*\*Grissell, E. E.** 2006. Two new species of *Torymoides* Walker (Hymenoptera: Torymidae) from the American southwest, with a key to Nearctic species. Proc. Entomol. Soc. Wash. 108(4): 765-773.

--**abstract**—Two new species of *Torymoides* are described: *T. comicus* Grissell and *T. tragicus* Grissell. Each is illustrated and a key is given to described Nearctic species. The new species have not been reared, but *T. comicus* may be associated with insects infesting flower heads of Asteraceae or galls on Fabaceae. The new species are reported from Arizona, western Texas, and central Mexico (Michoacan).

**Hall, J. P. W.** 2006. A remarkable new riodinid species, *Stalachtis halloweenii* (Riodinidae: Stalachtini), from Mount Ayanganna, Guyana. J. Lepidop. Soc. 60(3): 138-142.

--**abstract**—A new riodinid species, *Stalachtis halloweenii* Hall & Fratello, n. sp. (Stalachtini), is described from Mount Ayanganna, a tepui in western Guyana. A preliminary hypothesis of phylogenetic inter-relationships within the small genus *Stalachtis* Hubner is suggested, based on an informal study of external morphology and male genitalia. Three species groups are proposed, the *phlegia*, *calliope* and *enterpe* groups, and *S. halloweenii* is hypothesized to be sister to the remaining members of the *enterpe* group.

**Henry, T. J.** 2006. Resurrection of the plant bug genus *Pappus* Distant, with clarification of included species (Hemiptera: Heteroptera: Miridae). Proc. Entomol. Soc. Wash. 108(4): 822-829.

--**abstract**—The genus *Pappus* (revised status), with *P. sordidus* Distant as the type species, is resurrected from synonymy under the orthotylus

genus *Ceratocapsus* Reuter, redescribed, transferred to the subfamily Mirinae, tribe Mirini, and shown to be the senior synonym of *Platyhygus* Van Duzee, new synonymy. As a result, the 31 species previously placed in *Platyhygus* represent new combinations in the genus *Pappus*. *Pappus breviceps* Osborn and Drake is transferred from the subfamily Orthotylinae, tribe Ceratocapsini, in the genus *Ceratocapsus* Reuter to the subfamily Mirinae, nominate tribe Mirini, as a member of the genus *Tropidosteptes* Uhler and as a junior synonym of *T. fasciatus* (Distant), new synonymy. *Pappus egens* Distant and *P. insignis* Distant are tentatively retained in the genus *Ceratocapsus* (Orthotylinae: Ceratocapsini), pending further study; *Pappus sordidus* and *Tropidosteptes fasciatus* are redescribed, and a dorsal photograph for each of the four species is provided.

**Henry, T. J.** and A. G. Wheeler, Jr. 2006. Redescription and hosts of *Melanorhopala infusate* Parshley, with notes and new distribution records for *M. froeschneri* Henry and Wheeler (Hemiptera: Heteroptera: Tingidae). Proc. Entomol. Soc. Wash. 108(4):917-922.

--**abstract**—Some of the least-known North American lace bugs are those that feed mostly on stems of their host plants, such as species of the genus *Melanorhopala* Stal, rather than on host leaves, as do most other tingids. We cite new state records for the rarely collected *M. froeschneri* Henry and Wheeler and *M. infusate* Parshley and report saucer magnolia (*Magnolia x soulangiana*) as the first plant on which nymphs of *M. infusate* have been found. Diagnoses and habitus photographs are provided for the adult of both tinged species, and *M. infusate* is redescribed.

**Kawahara, A. Y.**, I. S. Winkler, & W. W. Hsu. 2006. New host records of the ectoparasitic biting midge *Forcipomyia (Trichobealea) pectinunguis* (Diptera: Ceratopogonidae) on adult geometrid moths (Lepidoptera: Geometridae). J. Kans. Entomol. Soc. 79(3): 297-300.

Landry, B., **D. Adamski**, P. Schmitz, C. E. Parent & L. Roque-Albero. 2006. *Taygete sphaecophila*

(Meyrick) (Lepidoptera; Autostichidae): redescription of the adult, description of the larva and pupa, and impact on *Polistes* wasps (Hymenoptera; Vespidae) nests in the Galapagos Islands. Rev. Suis. Zoolog. 113(2): 307-323.

--**summary**—*Taygete sphaecophila* (Meyrick) (Lepidoptera; Autostichidae) is reported on the Galapagos Islands. The morphology of the moth, larva, and pupa are described and illustrated in details. Part of the mitochondrial DNA was sequenced and made available on GenBank. The incidence of predation by *T. sphaecophila* on nests of *Polistes versicolor* Olivier (Hymenoptera; Vespidae) was measured in four different vegetation zones of Vloreana and Santa Cruz Islands. The percentages of infested nests varied greatly (from 13.9% to 66.7% on Floreana and from 20.0 to 100% on Santa Cruz) and no clear ecological trends could be ascertained.

**Mawdsley, J. R.** 2006. book review of "Manticora: A Monograph of the Genus, by Jaroslav Mares." Proc. Entomol. Soc. Wash. 108(4):1005-1006.

**Miller, G. L.** and A. S. Jensen. 2006. Revision of the North American aphid genus *Bipersona* Hottes (Hemiptera: Aphididae). Proc. Entomol. Soc. Wash. 108(4): 793-807.

--**abstract**—Adult female apterae and alates of the genus *Bipersona* Hottes are described and illustrated. *Bipersona torticauda* (Gellette), previously a junior synonym of *Bipersona ochrocentri* (Cockerell), is now considered a valid species.

Neunzig, H. H. and **M. A. Solis**. 2006. New species of *Sematoneura*, *Nevacolima*, and *Eulogia* (Lepidoptera: Pyralidae: Phycitinae) from Costa Rica. Proc. Entomol. Soc. Wash. 108(4): 953-963.

--**abstract**—Four new species of phycitines from Costa Rica are described: *Sematoneura costaricana*, *Nevacolima pitilla*, *Nevacolima georgina*, and *Eulogia duosigna*. Habitus photographs of the four moths, line drawings of the male labial palpus, antenna, and genitalia of all species, and line drawings of the female genitalia of two of the species are included.

**Pogue, M. G.** 2006. Nomenclatural validation of three North American species of Heliothinae (Lepidoptera: Noctuidae) and the adult description of *Heliolonche joaquinensis* Hardwick. Zootaxa 1283: 25-36.

--**abstract**—Article 13.1.1 of the International Code of Zoological Nomenclature states that names published after 1930 must have a description that defines and differentiates the taxon with characters. Three species of Heliothinae described by Hardwick (1996) are not in conformance with this Article; thus, they are nomina nuda. The following species are validated by descriptions and illustrations of the adult and genitalia: *Schinia angulilinea* new species (= *S. arizonensis* Hardwick), *S. maculate* new species (= *S. blanca* Hardwick), and *S. erythrias* new species (= *S. pulchra* Hardwick). The adult of *Heliolonche joaquinensis* Hardwick is described, along with illustrations of the adult and genitalia.

**Robbins, R. G.** and S. E. Bush. 2006. First report of *Amblyomma papuanum* Hirst (Acari: Ixodida: Ixodidae) from the dwarf cassowary, *Casuarius bennetti* Goudl (Aves: Struthioniformes: Casuariidae), with additional records of parasitism of *Casuarius* spp. by this tick. Proc. Entomol. Soc. Wash. 108(4): 1002-1004.

**Sosa-Calvo, J., S. O. Shattuck, and T. R. Schultz.** 2006. Dacetine ants of Panama: new records and description of a new species (Hymenoptera: Formicidae: Myrmicinae: Dacetini). Proc. Entomol. Soc. Wash. 108(4): 814-821.

--**abstract**—*Pyramica* and *Strumigenys* are the most speciose dacetine (Formicidae: Myrmicinae: Dacetini) genera in the world. A new ant species in the *Pyramica alberti* group is described from leaf-litter surveys conducted in the Canal Zone, Panama. *Pyramica panamensis*, new species, is similar to *P. fridericimuelleri*, *P. nigrescens*, and *P. Parsauga*, but differs from those species in having strongly reduced eyes and a distinct promesonotal carina. A couplet is added to Bolton's (2000) key to *Pyramica* in order to accommodate the new species. New Central American records for two

species in the dacetinae genera *Pyramica* and one in *Strumigenys* are reported, and a checklist of the known Panamanian dacetine species is presented.

Webb, D. W. & **M. A. Metz.** 2006. A revision of the new world genera *Brachylinga* Irwin and Lyneborg and *Lysilinga* Irwin and Lyneborg (Diptera: Therevidae: Therevinae) with description of a new genus, *Elcaribe* Webb. Zootaxa 1288: 1-241.

--**abstract**—The species of the New World genera *Brachylinga* Irwin and Lyneborg, *Lysilinga* Irwin and Lyneborg, and *Elcaribe* Webb, gen. nov. are described or redescribed with illustrations of the genitalia and, for most species, a map of its distribution. Keys are provided to identify the species within each genus. *Brachylinga* includes 24 species, ten of which (*Brachylinga albifrons* Webb, sp. nov., *B. attenuata* Webb, sp. nov., *B. bicolor* Webb, sp. nov., *B. convata* Webb, sp. nov., *B. curacaoensis* Webb, sp. nov., *B. divaricata* Webb, sp. nov., *B. laculata* Webb, sp. nov., *B. Mexicana* Webb, sp. nov., *B. mimica* Webb, sp. nov., and *B. tridentate* Webb, sp. nov.) are new to science. *Brachylinga antennata* (Kromber) is considered a *nomen dubium*. *Brachylinga interrupta* (Krober) is synonymized under *B. chilensis* (Macquart) and *B. pilosa* (Krober) is synonymized under *B. vavipa* (Coquillett). The genus *Lysilinga* Irwin and Lyneborg is revised and includes 10 species in North and Central America. *Lysilinga chamaela* Webb, sp. nov., *L. crassiseta* Webb, sp. nov., *L. digita* Webb, sp. nov., *L. dolichophalla* Webb, sp. nov., *L. nigra* Webb, sp. nov., *L. parkeri* Webb, sp. nov., and *L. recta* Webb, sp. nov. are new to science. *Lysilinga maculifrons* (Krober) is synonymized under *L. pilifrons* (Krober) and *L. subrufa* (Cole) is synonymized under *L. occipitalis* (Adams). *Elcaribe* is described as a new genus and includes 14 species restricted to the Caribbean. *Elcaribe Anguilla* Webb, sp. nov., *E. bahamaensis* Webb, sp. nov., *E. bifidus* Webb, sp. nov., *E. elongatus* Webb, sp. nov., *E. glabrus* Webb, sp. nov., *guanaensis* Webb, sp. nov., *E. longicaudus* Webb, sp. nov., *E. paniculus* Webb, sp. nov., *E. scarbroughi* Webb, sp. nov., *E. starki* Webb, sp. nov., and *E. stellus* Webb, sp. nov. are new to science.

*Brachylinga abdominalis* (Fabricius), *B. monensis* (Curran), *B. obscura* (Coquillett), *B. laticornis* (Loew), and *B. squamosa* (Hardy) are placed in the genus *Elcaribe*. *Brachylinga monensis* (Curran) is synonymized under *Elcaribe abdominalis* (Fabricius) and *B. squamosa* (Hardy) is synonymized under *Elcaribe obscurus* (Coquillett). *Psilocephala platycera* Loew is determined to be an unjustified new name of *Psilocephala laticornis* Loew. *Brachylinga parvula* (Krober) is placed in the genus *Penniverpa* (Therevidae), and *Brachylinga appendiculata* (Macquart) is determined to be a senior subjective synonym of *Scepsis nivalis* Walker (Tabanidae).

## VISITORS:

**Cheryl Barr** from the University of California at Berkeley visited David Furth and Warren Steiner October 06-11 to work with aquatic beetle collections.

**Deane Bowers** from the University of Colorado will visit Robert Robbins and the Lepidoptera Collection October 10-13.

**Ed Cohen** from Columbia, Maryland visited Gary Hevel and the Coleoptera Collection on October 20.

**R. Wills Flowers** from Florida A&M University visited David Furth on October 07 to consult about Chrysomelidae.

**Donald Lafontaine** from Canadian National Collection will visit Robert Robbins and the Lepidoptera Collection October 12-13.

**Luciane Marinoni** from the University of Parana, Brazil will visit Chris Thompson and the Diptera Collection October 08-28.

**Kelly Miller** from Brigham Young University visited David Furth and Warren Steiner October 06-11, to work with aquatic beetle collections.

**Ulrich Mueller** from the University of Texas at Austin will visit Ted Schultz and the Formicidae

Collection October 17-18.

**Federico O'Campo** from the University of Nebraska visited David Furth October 11 to study scarab beetles.

**Cleopatra Pimienta** from Cali, Colombia is visiting Terry Erwin for tropical canopy beetles research, September 29 through October 15.

**Steven Roble** from the Virginia Department of Conservation and Recreation visited Robert Robbins and the Lepidoptera Collection to gather data on October 05.

**Andrew Short** from Cornell University visited David Furth and Warren Steiner October 06-11, to work with aquatic beetle collections.

**Aaron Smith** from Michigan State University will visit Warren Steiner and the Tenebrionidae Collection October 10-13, to study the Casey type collection of asidine tenebrionid beetles.

**Stephanie Swenson** from Kansas University visited Gary Hevel and the Staphylinidae Collection October 19-20.

**Sara Taliaferro**, a scientific illustrator from the Happy Beetle Studio in Lawrence, Kansas is scheduled to visit Dana DeRoche and Gary Hevel on November 03.

## TRAVEL BY STAFF:

**Don and Mignon Davis** have been invited to attend a conference on Afrotropical Lepidoptera: Systematics, Digitization, and DNA Barcoding at the Royal Museum for Central Africa in Tervuren, Belgium on October 18-19. Both will be presenting talks emphasizing possible Afrotropical – Neotropical biogeographical connections.

**Ted Schultz** will be in the Acarai Mountains of southern Guyana from September 30 to November 06, conducting fieldwork.

**Charlie** and **Sue Staines** had a successful trip to Idaho, Washington and Utah. Their activities were noted in the *ACI (Albertson College of Idaho)* news report of October 19, as follows: “Charles Staines of the Smithsonian Institution in Washington, DC, and his wife, Sue, spent time in the Museum sorting beetles of the family Chrysomelidae. He identified many specimens including the hispines, his research group. Charlie gave an excellent presentation to the Idaho Entomology Group and Museum Curators in the Museum in September.”