



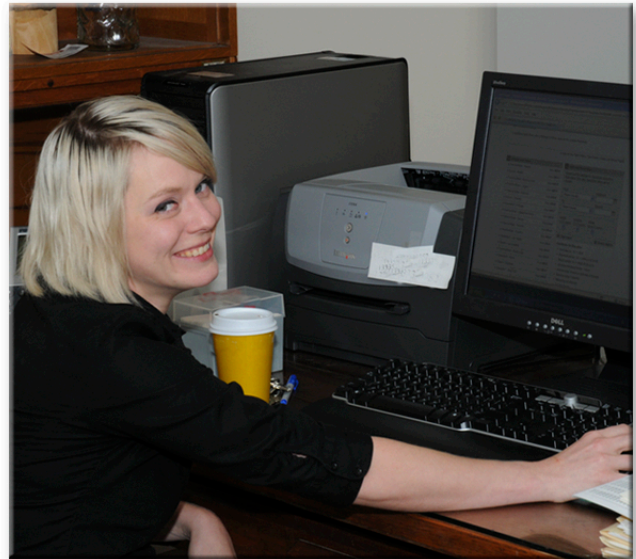
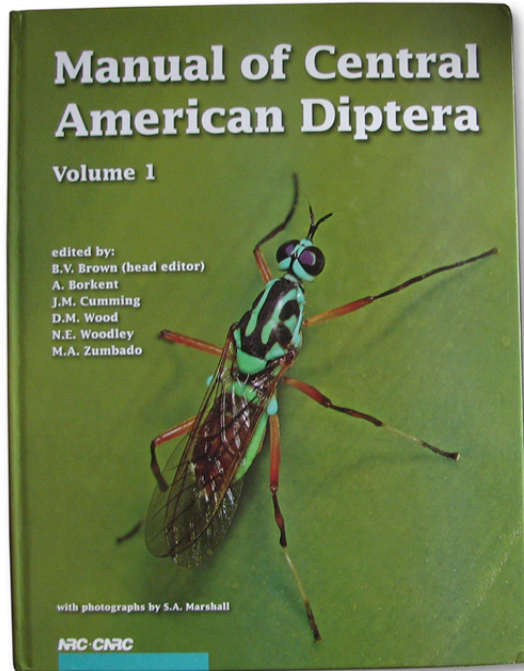
Smithsonian
National Museum of Natural History



EntNews

The Newsletter of the Department of Entomology

Vol. 24, no. 12, December 2009



Stephanie Swenson



Taina Litwak



Jil Swearingen

On the cover: Stephanie Swenson (photo by Jerry Louton); Taina Litwak, Jil Swearingen and Central American Diptera volume, photos by Gary Hevel.

ANNOUNCEMENTS:

The 1132nd Regular Meeting of the Entomological Society of Washington convened at the Cooper Room of the National Museum of Natural History on December 03 at 7:00 pm. The speaker was **Nate Erwin**, manager of the Insect Zoo and Butterfly Pavilion, who presented the topic "From flash cubes to Photoshop: one insect photographer's journey."

The 1133rd Regular Meeting of the Entomological Society of Washington convened at the Waldo Schmitt Room of the National Museum of Natural History on January 07 at 7:00pm, where **Jil Swearingen** of the Center for Urban Ecology, NPD National Capital Region, presented the topic "Bugs, Weeds and Disease: Battling Pests in the National Capital Region Parks."

The 1134th Regular Meeting of the Entomological Society of Washington convened at 7:30pm on February 04 in the Waldo Schmidt Room of the National Museum of Natural History. **Conrad Labandeira** of the Paleobiology Department of NMNH presented the topic "Mid Mesozoic Pollination Modes."

Officers for 2010 for the **Entomological Society of Washington** were elected during the December meeting. They are: President -- Sean Brady, President-Elect -- Ted Schultz, Program Chair -- Matt Buffington, Treasurer -- Michael Pogue, Recording Secretary -- Gary Hevel, Membership Chair -- Jil Swearingen, Co-Editors -- Michael Gates and Robert Kula, and Custodian -- Jon Lewis.

Warren Steiner, after thirty years service with the Department of Entomology, retired from his position with the Coleoptera Unit in January. His expertise with beetles is second only to Mother Nature, and she is probably unaware of the tarsal formulae of Coleoptera. There is arguably no better naturalist in the Eastern United States, and he is simply irreplaceable. Warren will remain at the Museum in the capacity of Visiting Scientist, and he has information on this subject in the current issue of "The Bug Dispatch." Congratulations, Warren.

Stephanie Swenson has been recently hired for one year on trust funds to assist Dave Furth with a variety of

collections management tasks including transactions for Diptera, Neuropteroidea, and other miscellaneous insect orders. Stephanie can be found in CE-408 (Mary Jo Molineaux's old office).

GENERAL NEWS:

Congratulations to our Brazilian colleague, **Vitor Becker**. In December, he was called to Salvador, Bahia to receive the 14th Annual Ford Prize in Environmental Conservation. This is one of the most coveted awards of its type in Brazil, and it is awarded to persons committed to habitat preservation and sustainable development in Brazil. In 2009, 192 applications were submitted for five categories and Vitor won in the category of "Individual Conquest."

John Brown experienced a most unfortunate accident during the holiday season of late December. While standing on a corner at night in Hemet, California, a car turning into his path struck him, causing a broken leg and a broken bone in his ankle. After two operations, John is recuperating well, and everyone wishes him a speedy recovery.

Taina Litwak has been hired as by the Systematic Entomology Lab, USDA as a staff illustrator, and is generally familiar to the staff because of her previous contract work with various units in the Museum. She spent two years (2006-2008) living in Bosnia Herzegovina where she resided in Sarajevo, and made trips to the countryside of Bosnia and visited the coast of Croatia. These experiences were presented on January 20 at a Guild of Natural Science Illustrators DC meeting. The talk featured photographic images of the flora and fauna of Bosnia.

PUBLICATIONS:

Research papers by colleagues who are no longer members of the combined entomological staff, mostly retired members, will be listed, and those will be noted by a double asterisk.

Aalbu, R.L., Kanda, K., & **Steiner, W.E.** 2009. *Opatroides punctulatus* Brulle now established in California (Coleoptera: Tenebrionidae). Pan-Pac. Entomol. 85(2): 38-42.

--abstract-- *Opatroides punctulatus* Brulle, 1832 (Coleoptera; Tenebrionidae; Opatrini), is reported established for the first time in the New World in California near Sacramento. A key to distinguish *Opatroides* from species of similar genera is provided, with images and a

brief diagnosis of *O. punctulatus*. The potential spread and pest status of the beetle should be monitored.

Abrahamovich, A. H., Lucia, M., Alvarez, L.J., & **Smith, D.R.** 2010. Type specimens of sawflies (Insecta: Hymenoptera: Symphyta) housed in the Museo de La Plata, Argentina. *Zootaxa* 2360: 63-38.

--abstract-- The primary and secondary type specimens of 27 species of sawflies housed at the Museo de La Plata (Division Entomologia), Argentina are listed. Information on kinds of types, collection data, and current status are provided. The types belong to species described by P. Jorgensen, C. Schrottky, and D.R. Smith. Two new synonymies are recognized: *Aphilodyctium nigripenne* Schrottky, 1913 syn. nov. of *Waldheimia nigripennis* Jorgensen 1913 and *Siobla argentina* Schrottky, 1913 syn. nov. of *Stromboceros argentine* Jorgensen 1913.

Barrows, E.M. & **Flint, O.S., Jr.** 2009. Mecopteran (Mecoptera: Bittacidae, Meropeidae, Panorpidae) flight periods, sex ratios, and habitat frequencies in a United States Mid-Atlantic freshwater tidal marsh low forest, and their ecotone. *J. Kans. Entomol. Soc.* 82(3): 223-230.

--abstract— As part of a long-term arthropod biodiversity study, we operated six Malaise traps in Dyke Marsh Wildlife Preserve (DMWP), Virginia from April 1998 through December 1999 and obtained 104 adult mecopterans in five species. They were present in samples from late May through early November. Samples indicate that as a group, the mecopterans were more abundant in the forest than in the marsh and the forest-marsh ecotone, and the mecopterans had a female-biased sex ratio. Two of the trapped species are uncommon or of limited distribution in North America. Malaise traps can be used efficiently to survey and monitor certain mecopteran species in DMWP and similar places. To understand the mecopteran biodiversity and phenology in the Preserve more completely, it would be worthwhile to survey the entire Preserve for at least 10 yr with all appropriate sampling methods.

Brown, B.V., Borkent, A., Cummings, J.M., Wood, D.M., **Woodley, N.E.**, & Zumbado, M.A., eds. 2009. *Manual of Central American Diptera – Volume 1.* 714 pp., NRC Research Press, Ottawa.

Buck, M., **N.E. Woodley**, A. Borkent, D.M. Wood, T. Pape, J.R. Vockeroth, Michelsen, V. & Marshall, S.A. 2009. Key to Diptera families – adults, pp. 95-144. *In* B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood,

N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1.* NRC Research Press, Ottawa.

Buffington, M.L. & van Noort, S. 2009. A revision of *Anacharoides* Cameron, 1904 (Hymenoptera, Figitidae) with a description of a new species. *ZooKeys* 20: 245-274.

--abstract-- *Anacharoides* Cameron is revised and six species are recognized; *A. nicknacki* Buffington & van Noort, sp. n., *A. pallida* Quinlan, *A. paragi* Benoit, *A. quadrus* Quinlan, *A. striaticeps* Cameron and *A. stygius* Benoit. A key to species is provided. *Anacharoides striaticeps* was determined to be a variable species, and consequently a number of names have been proposed for this species. Here we clarify the identity of *A. striaticeps* and provide evidence for the following new synonymies of *A. striaticeps*: *Anacharoides elongaticornis* Benoit, syn. n., *Anacharoides eurtergis* Benoit, syn. n., *Anacharoides decellius* Quinlan, syn. n., *Anacharoides sanitas* Quinlan, syn. n., *Anacharoides nigra* Quinlan, syn. n., *Anacharoides arcus* Quinlan, syn. n., *Anacharoides suspensus* Quinlan, syn. n.. The holotype of *Anacharoides rufa* (Kieffer) is lost; examination of a specimen possibly determined by Kieffer from 1913 housed in the Museum is conspecific with *A. pallida*, but no nomenclature action is pursued at this time. The syn. n., of *A. astrida* Quinlan with *A. quadrus* is also hypothesized. Definitive host records for the genus, based on isolated puparia, are reported to be the syrphids *Ischiodon* Sack and *Pragus* Latrielle. Species of this genus of figitid wasp are endemic to sub-Saharan Africa, Madagascar, the southern Arabian Peninsula and the Canary Islands. Images of all species contained within this paper are available from <http://morphbank.net>. An online Lucid interactive key to species of *Anacharoides* and images are available at: <http://www.waspweb.org/Cynipoidea/Figitidae/Aspicerinae/Anacharoides/index.htm>.

Davis, S.R. & **Davis, D.R.** 2009. First report of the old world genus *Pelecystola* in North America, with description of a new species (Lepidoptera, Tineidae). *ZooKeys* (25): 69-78.

--abstract— The tineid genus *Pelecystola*, which was previously represented by six widely scattered species known only from the Palearctic, Indomalayan, and Ethiopian regions, is reported for the first time from the western hemisphere. The new species, *Pelecystola nearctica*, has been found to occur rather commonly over much of eastern North America from Quebec, Canada, south in the United States to Florida and west to Arkansas. The

genus *Pelecystola* is partially characterized by the development of a pedunculate pectinifer which arises from the extreme base of the male valve, a character also shared by the austral South American genus *Falsivalva*. Although the genus has sometimes been referred to the Scardiinae, the subfamily affinities of *Pelecystola* as well as the larval biology remain unresolved.

Furth, D. G. 2009. Flea beetle diversity of the Sierra Tarahumara, Copper Canyon, Mexico (Chrysomelidae: Alticinae), pp. 131–151. *In*: P. Jolivet, M. Schmitt, and J. Santiago-Blay, eds. Research on Chrysomelidae, Volume 2. Koninklijke Brill, Leiden.

--abstract— This study gives the results of Alticinae diversity from four expeditions to the Sierra Tarahumara (Copper Canyon or Barranca del Cobre), a section of the Sierra Madre Occidental of Chihuahua/Sonora, Mexico, at different seasons based on precipitation. It reports the general species diversity as well as diversity based on seasonality and elevational parameters of the focal taxon Alticinae (Flea Beetles). A total of 2,832 specimens were collected representing 26 genera and 70 species. Of these 44 species are newly recorded from Chihuahua, nine new from Sonora, ten new to Mexico and two new to science. The biogeographical affinities and host plants of the Copper Canyon Alticinae are also discussed.

****Gagne, R.J. & Jaschhof, M.** 2009. Cecidomyiidae (gall midges), pp. 293-314. *In* B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

****Gagne, R.J., Wright, S.A., Purcell, M.F., Pratt, B.T. & Center, T.D.** 2009. Description of the larva of *Lophodiplosis trifida*, an Australian gall midge (Diptera: Cecidomyiidae) and biocontrol agent of paperbark in Florida, USA. *Fla. Entomol.* 92(4): 593-597.

--abstract— *Lophodiplosis trifida* Gagne, an Australian gall midge on paperbark, *Melaleuca quinquenervia* (Myrtaceae), is a recent release in southern Florida for the biological control of that host. The larval stage is described for the first time and compared to that of other *Lophodiplosis* species. Photos of galls and illustrations of larvae are provided. Second and third instars of *L. trifida* are unusual among Cecidomyiidae for the lack of setae on most papillae.

Gates, M.W. 2009. A new species of *Aximopsis sensu lato* Ashmead (Hymenoptera, Chalcidoidea, Eurytomidae) parasitic on *Euglossa* spp. (Hymenoptera, Apidae).

ZooKeys 20: 165-174.

--abstract— *Aximopsis masneri* Gates, sp. n., (Hymenoptera, Chalcidoidea, Eurytomidae) is described and illustrated. This species was reared from field-collected nests of *Euglossa* sp. (Hymenoptera, Apidae) in the Neotropical region with additional label data indicating *E. variabilis* and *E. cybella* as hosts. It is compared with the nominate species of the nodularis species group of *Aximopsis sensu lato* to which it belongs.

Gates, M.W. & Hanson, P. 2009. A revision of *Bephrata* and *Isosomodes* (Hymenoptera: Eurytomidae). *J. Hymenoptera Res.* 18(1): 25-73.

--abstract— The genera *Bephrata* Cameron and *Isosomodes* Ashmead are redefined and redescribed. We describe 22 species as new: *B. atra*, *B. bouceki*, *B. Camacho*, *B. chica*, *B. christeri*, *B. citri*, *B. clava*, *B. flava*, *B. leptogaster*, *B. lorraineae*, *B. nigracephala*, *B. noyesi*, *B. nublada*, *B. petiolata*, *B. stichogaster*, *B. ticos*, *I. azofiefai*, *I. landoni*, *I. paradoxus*, *I. parkeri*, *I. colombia*, and *I. similis*. Previous nominal species are redescribed: *B. bahiae* (Ashmead), *B. cultriformis* (Ashmead), *B. ruficollis* Cameron, *I. gigantea* (Ashmead), and *I. nigriceps* Ashmead. One new synonymy is proposed: *I. brasiliensis* Ashmead 1904 with *I. gigantea* (Ashmead 1886), n. syn. Keys are provided for separating the species in each genus. Available evidence suggests that the species in these two genera are egg parasitoids of Tettigoniidae (Orthoptera).

Henry, T.J. and Dellape, P.M. 2009. A new genus and species of Oxycarenidae (Hemiptera, Heteroptera, Lygaeoidea) from Argentina. *ZooKeys* 2: 49-59.

--abstract-- The new genus *Notocoderus* and the new species *N. argentinus* are described from Buenos Aires Province, Argentina, based on two specimens taken in pitfall traps. Dorsal and lateral digital images of this new sub-brachypterous oxycarenid and *Dycoderus picturatus* Uhler, known only from Arizona and Colorado in the United States, are provided and their relationships with each other and other oxycarenids are discussed. A lectotype for *D. picturatus* is designated.

Holloway, J.D., Miller, S.E., Pollock, D.M., Helgen, L. & Darrow, K. 2009. GONGED (Geometridae of New Guinea Electronic Database): a progress report on development of an online facility of images. *Spixiana* 32(1): 122-123.

Kawahara, A.Y., Nichida, K. & Davis, D.R. 2009. Systematics, host plants, and life histories of three new *Phyl-*

locnistis species from the central highlands of Costa Rica (Lepidoptera, Gracillariidae, Phyllocnistinae). ZooKeys (27): 7-30.

--abstract—Three new species of *Phyllocnistis* Zeller are described from the central highlands of Costa Rica: *Phyllocnistis drimiphaga* sp. n., *P. maxberryi* sp. n., and *P. tropaeolicola* sp. n. Larvae of all three are serpentine leaf miners. *Phyllocnistis drimiphaga* feeds on *Drimys granadensis* (Winteraceae), *P. maxberryi* on *Galadendron punctatum* (Loranthaceae), and *P. tropaeolicola* on *Tropaeolum emarginatum* (Tropaeolaceae). All specimens were collected as larvae or pupae in their mines and reared in captivity. Parasitoid wasps were reared from *P. drimiphaga* and *P. maxberryi*. Description of the adults, pupae, and life histories are supplemented with photographs, illustrations, and scanning electron micrographs.

Lee, C.-F., Beenen, R., & **Staines, C.L.** 2009. Notes on the genus *Cerophysa* in Taiwan (Coleoptera: Chrysomelidae: Galerucinae). Cole. Bul. 63(4): 456-466.

--abstract— The species of the genus *Cerophysa* Chevrolat known from Taiwan are reviewed. *Hoplosaenidea chujoi* Kimoto, 1966, *H. nigripennis* Kimoto, 1966 and *H. taiwana* (Chujo 1935) are transferred to *Cerophysa* and redescribed. Male and female genitalia are illustrated for each species. A key to the species of *Cerophysa* in Taiwan is provided.

Mengual, X. & Ghorpade, K. 2010. The flower fly genus *Eosphaerophora* Frey (Diptera: Syrphidae). ZooKeys 33: 39-80.

--abstract— The flower fly genus *Eosphaerophoria* is revised. Eight new species are described (*adornata* sp. n. Mengual, *bifida* sp.n. Mengual, *brunettii* sp. n. Ghorpade, *hermosa* sp. n. Mengual, *luteofasciata* sp. n. Mengual, *nigrovittata* sp. n. Mengual, *symmetrica* sp. n. Mengual, and *vietnamensis* sp. n. Mengual), and an identification key is provided. Redescriptions, illustrations, synonymies, diagnoses and distributional data are given for all 11 known species of *Eosphaerophoria*. The new described species increase the genus' distribution, now recorded from Nepal and Sri Lanka east to New Guinea. All information data, images and drawings, as well as additional images and relevant information, are available online via the internet as an example of the utility of international standards for biodiversity informatics.

Robbins, R.K. & Lamas, G. 2009. Comment on the proposed establishment of availability of *Balintus* D'Abrera, 2001, *Gulliveria* D'Abrera & Balint, 2001, *Salazaria*

D'Abrera & Balint, 2001, *Megathecla* Robbins, 2002 and *Gullicaena* Balint, 2002 (Insecta, Lepidoptera, LYCAENIDAE) (CASE 3458; SEE bzn 65: 188-193, 66: 271-272). Bull. Zool. Nomencl. 66(4): 349-351.

Rota, J. & Brown, J.W. 2009. A new genus and species of Grapholitini (Lepidoptera, Tortricidae) from Florida, USA. ZooKeys 23: 39-46.

--abstract— *Riculorampha ancyloides* Rota & Brown, gen. n., sp. n. from Florida, is described and illustrated. The type series was reared from the fruit of redbay, *Persea borbonia* (Lauraceae). The new genus is assigned provisionally to the *Dichrorampha*-group of genera (Grapholitini) on the basis of the following characters: forewing termen with a row of black dots, forewing fringe with a shallow subapical notch, hindwing veins Rs and M1 separate and parallel or subparallel, female frenulum with two bristles, and corpus bursae with a single signum. The last character is shared with *Dichrorampha* Guenee, *Ricula* Heinrich, *Riculoides* Pastrana, and *Goditha* Heinrich.

****Steiner, W.E., Jr.** 2009. The Helopini (Coleoptera: Tenebrionidae) of Virginia, pp. 331-339. In S.M. Roble and J.C. Mitchell, eds. A Lifetime of Contributions to Myriapodology and the Natural History of Virginia: A Festschrift in honor of Richard L. Hoffman's 80th Birthday. Virginia Museum of Natural History Special Publication No. 16.

--abstract— Recent field work and examination of museum collections has led to the discovery that Virginia has seven species of the Tribe Helopini (Coleoptera: Tenebrionidae), more than most neighboring states. Virginia specimen data for species of the two currently recognized genera, *Helops* Fabricius and *Tarpela* Bates, are given, with a brief diagnosis of each species. Digital images of male specimens of each species are included, with notes on life history and habitats. *Helops carolina* Manee, 1924, is a junior synonym of *Helops aereus* Germar, 1824 (new synonymy). *Tarpela americana* Beauvois, 1805, and *T. undulata* LeConte, 1866, confused in some earlier literature, are considered to be distinct species.

Toledo, M., ****Spangler, P.J.**, & Balke, M. 2010. Taxonomic revision of the Neotropical diving beetles genus *Laccodytes* Regimbart, 1895 (Coleoptera: Dytiscidae). Zootaxa 2347: 37-58.

--abstract— The Neotropical Lacophilinae genus *Laccodytes* Regimbart, 1895 is redefined and revised. We recognize ten species, six of which are described as

new. We define two species groups: the *Laccodytes apalodes* –group (*L. apalodes* Guignot, 1955, *L. rondonia* sp.n.) and the *L. phalacroides* –group (*L. americanus* Peschet, 1919, *L. obscuratus* sp. n., *L. bassignanii* sp. n., *L. nebiniae* sp. n., *L. ollbroides* Reginbart, 1895, *L. phalacroides* Reginbart, 1895, *L. takutuanus* sp. n., *L. androgynus* sp. n.). *Laccodytes pumilio* LeConte, 1878, assigned to *Laccodytes* by Young (1954), belongs to an undescribed genus. *Laccodytes* species are lotic and most of them inhabit the north-eastern part of South America, apparently with Venezuela and Guyana as centre of diversity. Description, illustrations and SEM photos of habitus, genitals and other diagnostic features are provided for each species, together with habitat notes, when known. We provide a key for species identification.

Woodley, N.E. 2009. Vermilionidae (worm-lions), pp. 481-483. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley, and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E. 2009. Apioceridae (apiocerid flies) pp. 577-578. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E. 2009. Athericeridae (athericid flies), pp. 491-493. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley and M.A. Zumbado, *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E. 2009. Mydidae (mydas flies), pp. 579-583. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E. 2009. Nemestrinidae (tangle-veined flies), pp. 557-560. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E. 2009. Pantophthalmidae (pantophthalmid flies), pp. 513-515. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E. 2009. Scenopinidae (window flies), pp. 649-652. In B.V. Brown, A. Borkent, J.M. Cummings,

D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E. 2009. Stratiomyidae (soldier flies), pp. 521-549. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E. 2009. Xylomidae (xylomid flies), pp. 517-519. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E. 2009. Xylophagidae (xylophagid flies), pp. 509-512. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

Woodley, N.E., Borkent, A., & Wheeler, T.A. 2009. Phylogeny of the Diptera, pp. 79-94. In B.V. Brown, A. Borkent, J.M. Cummings, D.M. Wood, N.E. Woodley, and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 1*. NRC Research Press, Ottawa.

VISITORS:

David Ahrenholz from the University of Minnesota Medical School, St Paul, visited Robert Robbins and the Lepidoptera Collection February 01-02.

Joshua Bast from USAPHC, Army Proving Grounds, Aberdeen, visited Pollie Rueda and the Culicidae Collection to work on systematics of mosquitoes from Kenya, January 25-30.

Lauren Buckley from the University of North Carolina visited Bob Robbins and the Butterfly Collection on October 13.

Marcelo Duarte from Universidade de Sao Paulo, Brazil visited Bob Robbins and the Butterfly Collection November 02-20.

Evan Economo from the University of Michigan at Ann Arbor visited Ted Schultz and the Formicidae Collection November 11-15 to study the ants of Fiji.

Robert Foster from Northern Bioscience, Thunder Bay, Ontario, will visit Don Davis and the Lepidoptera Collection February 22-24.

Henri Goulet, Agriculture Canada, visited Dave Smith

and the Siricidae Collection October 05-09.

Nick Grishin from the University of Texas Southwestern Medical Center in Dallas visited Don Harvey and the Butterfly Collection October 21-23 for research purposes.

Bill Haines with no affiliation visited the Ted Schultz and the Formicidae Collection to record label data on October 16.

Gerardo Lamas from the Universidad Nacional May de San Marcos, Peru, visited Bob Robbins and the Butterfly Collection November 08-13.

Eric Metzler from Alamogordo, NM visited Don Davis and the Lepidoptera Collection on October 08-09 to attend a Moths of North America (Wedge Foundation) meeting.

Kenji Nichida from the University of Costa Rica was a visitor with Don Davis and the Lepidoptera Collection February 02-12.

James Miller from the American Museum of Natural History in New York City visited Don Harvey and the Notodontidae Collection November 30-December 04 to return a loan of specimens of the tribe Dioptini.

Ulrich Mueller from the University of Texas at Austin visited Ted Schultz and the Formicidae Collection to study metapleural glands in ants, January 29 through February 01.

Molly Rightmyer from Utah State University will visit Sean Brady and Sam Droege, and the Apoidea Collection for research on the bee genus *Nomada* February-24.

Paula Rosa from the Department of Biology, Medellin, Colombia visited Rick Wilkerson and the Culicidae Collection October 12 through December 15 for systematic research on the *Anopheles oswaldi* complex in Colombia.

Eli Sarnat from the University of California, Davis visited Ted Schultz and the Formicidae Collection November 11-15 to study ants of Fiji.

Grace Servat from Arlington, Virginia visited Terry Erwin and the Coleoptera Collection February 17-18.

Petra Sierwald from the Field Museum, Chicago, visited Jonathan Coddington and the Spider Collection December 16-20.

J. Bolling Sullivan visited Robert Robbins and the Lepidoptera Collection February 02-04.

Gavin Svenson from New York State Museum in Albany visited David Furth and the Mantid Collection February 16-17.

Erika Tucker from the United States Geological Survey in Beltsville, MD visited Sean Brady and the Wasp Collection to examine *Polistes* wasps.

Dave Wagner visited Don Davis and the Lepidoptera Collection to participate in a Wedge Foundation meeting October 08-09.

Carrie Wells from Clemson University visited Bob Robbins and the Butterfly Collection on October 09.

Kira Zhaurova from USDA, ARS, APHIS PPQ at Texas A.&M. University in College Station visited Dave Furth and the general collections February 09-10.

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

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