



Smithsonian  
National Museum of Natural History

# EntNews



The Newsletter of the Department of Entomology

Vol. 26, no. 1, January - May 2011



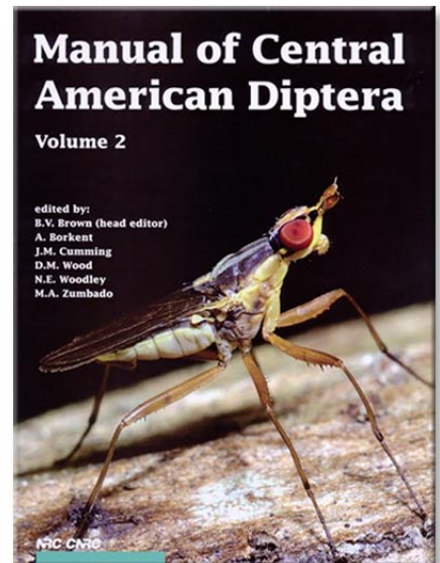
Thomas Wallenmaier  
December 12, 1941 - March 02, 2011



Jonathan Coddington



Vichai Malikul with kids at Chevy Chase Elementary School



## Manual of Central American Diptera

Volume 2

edited by:  
B.V. Brown (head editor)  
A. Borkent  
J.M. Cumming  
D.M. Wood  
N.E. Woodley  
M.A. Zumbado

NYC CNC

**On the cover** (photo credits): Diptera volume/G.Hevel; J.Coddington/AP; Malikul/ a teacher?; Wallenmaier/ internet.

#### ANNOUNCEMENTS:

The 1143<sup>rd</sup> Regular Meeting of the Entomological Society of Washington was held on February 03 in the Rose Room of the National Museum of Natural History. **George Venable**, a former illustrator with the Entomology Department of the Smithsonian, reviewed his serendipitous career from start to current pursuits.

The 1144<sup>th</sup> Regular Meeting of the Entomological Society of Washington was held on March 03 in the Rose Room of the National Museum of Natural History. **Art Evans** spoke on the topic of "Sky Islands," and presented a delightful and entertaining array of his photographic work gained from insect pursuits in the past year.

The 1145<sup>th</sup> Regular Meeting of the Entomological Society of Washington was held on April 08 in the Rose Room of the National Museum of Natural History. **Dale Greenwalt**, a volunteer with the Department of Paleobiology at NMNH, discussed his adventures in Montana collecting fossil insects.

The 1146<sup>th</sup> Regular Meeting of the Entomological Society of Washington was held on May 05 in the Rose Room of the National Museum of Natural History. **Hans Herren** of the Millennium Foundation, Arlington, Virginia, presented the topic "Agriculture at a crossroads: which way now and why?"

The volume "Manual of Central American Diptera, volume 2" involved input from many members of the combined entomological staff, and is a splendid compilation of currently known information on the subject.

Members of the area entomological family were sorry to hear of the recent death of former colleague **Thomas Wallenmaier**. Tom was a strong presence in the Washington, D.C. area in the 1980s, when he was promoted to headquarters of the inspection service with USDA. He served in officer positions of the Entomological Society of Washington, including the position of President. In 1992 he and his wife Maggie moved to Southfield, Michigan, where he worked for the USDA at Detroit Metro Airport as a supervisor. He was born in Detroit in 1941, and developed strong religious interests as a young man. He gained a Ph.D. from

Michigan State University in 1973. While living in Maryland, Thomas was an active member of several churches. He was involved in ministry at the Church of Jesus Christ in Washington, D.C., and while attending Christian Life Center in Gaithersburg, worked in the bus ministry and taught Sunday School for many years.

#### OUTREACH:

**Sean Brady**, with Nate Erwin and Robert Costello, visited Lafayette, Louisiana for three days in mid-May to conduct a workshop for teachers on the theme of "Insects: Ultimate Survivors." Sponsored by the Smithsonian Associates, the workshop utilized ants and bees for discussions on evolutionary relationships, adaptations, origins of eusocial behavior, pollination, social organization, and symbiosis with other organisms.

**Jonathan Coddington** was interviewed by the Associated Press recently on the topic of "Summer Insect Pests." The resulting story has been published widely in newspapers across the United States.

Congratulations to **Vichai Malikul**, who was selected as one of the recipients of an Outreach Achievement Award, presented on April 19 by Director Christian Samper in a special ceremony. This award, in particular, recognizes Vichai's long-time involvement with the Asian Pacific Heritage Committee.

During the second week of May, **Gary Hevel** participated in an early morning live television presentation with the local Fox TV channel. Gary led reporter Holly Morris through a 4-minute display of large and colorful insects. Holly also had morning sessions with Rusty Russell and Briana Pobiner.

**Gary Hevel** was quoted in a Kid's Post (Washington Post) article on large insects in late May. The article had life-sized images of a large scarab beetle and a belostomatid bug.

#### PUBLICATIONS:

\*\* former and/or emeritus colleagues

Adis, J., T.L. **Erwin**, Batticola, L. D., and Ketelhut, S. M. 2010. The importance of Amazonian floodplain forest for animal biodiversity: beetles in canopies of floodplain and upland forests, pp. 313-315. *In* W.J. Junk, M.T.F. Piedade, F.I. Wittmann, J. Schengart, and P. Parolin, eds. *Amazonian Floodplain Forests*, Springer, New York.

Apigian, K., and F.C. Thompson. 2010. Tanypezidae. pp. 827–831, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.

Brady, S. 2011. Effects of fossil calibration uncertainty on divergence dating in ants and bees. *Amer. Entomol.* 57(1): 56-57.

Brown, B.V. and F.C. Thompson. 2010. Braulidae. pp. 1097-1099, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.

Brown, B.V., Borkent, A., Cumming, J.M., Wood, D.M., Woodley, N.E., and Zumbado, M.A. (editors). 2010. *Manual of Central American Diptera – Volume 2*, pp. 715-1442. NRC Research Press, Ottawa.

Chamorro, M., and Konstantinov, A. S. 2011. Cachiporrini, a remarkable new tribe of Lamprosomatinae (Coleoptera, Chrysomelidae) from South America. *Zookeys* 78: 43-59.

Erwin, T. L., Toledano, L., and Maddison, D. R. 2010. New enigmatic species of ground beetles from stream margins and scree in the Andes of South America (Carabidae, Trechinae, *adinodontis*, n. gen.), *Entomologische Blätter* 106: 73-88, *In* B. Klausnitzer, Schmidt, J., and Erwin, T.L., eds. *Contributions to Biology and Systematics of Beetles (Sonderband zum Gedenken an Prof. Dr. Gerd Muller-Motzfeld)*. Wissenschaftlicher Verlag Press, Schwanfeld, Germany.

\*\*Flint, O.S., Jr. and Kjer, K.M. 2011. A new species of *Neophylax* from northern Virginia, USA (Trichoptera: Uenoidae). *Proc. Entomol. Soc. Wash.* 113(1): 7-13.

--abstract—A new species of *Neophylax*, *Neophylax virginica* Flint, is described from several sites along the Potomac, Shenandoah and Rappahannock Rivers in Northern Virginia. It is closely related to *Neophylax stollus* Ross, *Neophylax acutus* Vinyard and Wiggins, *Neophylax ayanus* Ross, and *Neophylax Ottawa* Vinyard and Wiggins, differing in characteristics of the male and female genitalia, which are illustrated. A phylogram of the *Neophylax ayanus* species group based on COI: data is included.

\*\*Gagne, R.J., McKay, F., & Heard, T.A. 2011. A new species of *Neolasioptera* (Diptera: Cecidomyiidae) from *Parkinsonia aculeata* (Leguminosae) in Argentina for

possible use in biological control in Australia, with a key to Neotropical species of *Neolasioptera*.

--abstract—*Neolasioptera aculeatae* Gagne (Diptera: Cecidomyiidae) is described as a new species from stem swellings on *Parkinsonia aculeata* L. (Leguminosae) in NW Argentina. The new species appears to be a good candidate for the biological control of its host in Australia, where the plant was accidentally introduced and is currently a serious pest. The species is shown to be distinct from the 64 Neotropical congeners. A preliminary key to these species is offered that can be adapted as more work is done on *Neolasioptera*.

Gulligan, T.M., \*\*Epstein, M.E., Passoa, S.C., Powell, J.A., Sage, O.C., and Brown, J.W. 2011. Discovery of *Lobesia botrana* ([Denis & Schiffermuller]) in California: an invasive species new to North America (Lepidoptera: Tortricidae). *Proc. Entomol. Soc. Wash.* 113(1): 14-30.

--abstract--- The European grape vine moth, *Lobesia botrana* ([Denis and Schiffermuller]), is one of the most destructive pests of grape in the Palearctic Region. Larvae feed on fruit, causing direct damage and promoting secondary infection by *Botrytis cinerea* Persoon (botrytis bunch rot or gray mold). On September 30, 2009, tortricid larvae damaging grapes in the Napa Valley of California were identified as *L. botrana*, representing the first records of this species in North America. The presence of *L. botrana* could have a significant impact on California agriculture---wine, table, and raisin grapes are grown on more than 800,000 acres throughout the state. We provide descriptions and illustrations to aid in the identification of this newly arrived pest, along with a brief history of its discovery.

Hrcek, J., Miller, S.E., Quicke, D.L.J., and Smith, M.A. 2011. Molecular detection of trophic links in a complex insect host-parasitoid food web. *Molec. Ecol. Resources* doi: 1111/j.1755-0998.2011.03016.x

Klausnitzer, B., Schmidt, J., and Erwin, T.L. (editors). *Contributions to Biology and Systematics of Beetles (Sonderband zum Gedenken an Prof. Dr. Gerd Muller-Motzfeld)*, 441 pages. Wissenschaftlicher Verlag Press, Schwanfeld, Germany.

McAlpine, D.K. and Woodley, N.E. 2010. Heleomyzidae. Pp. 1159-1164. *In* B. V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M. A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.

- McAlpine, J.F. and Thompson, F.C. 2010. Cryptochetidae. pp.1121-1123, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.
- Mathis, W.N.** 2010. Coelopidae. pp. 1013-1016, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.
- Mathis, W.N.** 2010. Tethinidae. pp. 1109-1114, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.
- Mathis, W.N.** 2010. Canacidae. pp. 1115-1119, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.
- Mathis, W.N.** 2010. Diastatidae. pp. 1207-1210, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.
- Mathis, W.N.** 2010. Ephydriidae. Pp. 1211-1233, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.
- Mathis, W.N.** 2010. Nannodistiidae. Pp. 1235-1239, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.
- Mathis, W.N.** and Rung, A. 2010. Periscelididae, pp. 1087-1092, *In* B.V. Brown, a. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera -- Volume 2*. NRC Research Press, Ottawa.
- Mawdsley, J.R.**, Harrison, J. du G., Sithole, H., and Mawdsley, J.L. 2011. Landscape-scale surveys reveal patterns of floral visitation by species of Scarabaeidae (Coleoptera) in the Kruger National Park, South Africa. *J. Nat. Hist.* 45(21-22): 1257-1273.
- \*\*Miller, D.R.** and **Miller, G.L.** 2011. obituary, Louise May Russell, 1905-2009. *Proc. Entomol. Soc. Wash.* 113(1): 79-89.
- Norrbon, A.L.** 2010. Tephritidae. pp. 909-954, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.
- Norrbon, A.L.** and C.A. Korytkowski. 2010. Lonchaeidae. pp. 857-863, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*, NRC Research Press, Ottawa.
- Norrbon, A.L.**, and Uchoa, M.A. 2011. New species and records of *Anatrepha* (Diptera: Tephritidae) from Brazil. *Zootaxa*: 2835: 61-67.
- Ochoa, R.**, Beard, J.J., Bauchan, G.R., Kane, E.C., Dowling, A.P.G., and Erbe, E.F. 2011. Herbivore exploits chink in armor of host. *Amer. Entomol.* 57(1): 27-29.
- abstract--- Knowledge of plant-feeding mite diversity, their interactions with host plants, and their ecological impact are not clear or have been too narrowly studied in the past. The mite superfamily Tetranychoidae has been identified around the world feeding on almost every plant known. Spider mites (Tetranychidae) are the most common mite recognized by farmers, researchers, and any person with an ornamental plant at home. On the other hand, flat mites (Tenuipalpidae) are also common on plants, but are often overlooked due to their small size and camouflaging colors. Mites in the flat mite genus *Raolella* Hirst are obligate plant parasites that feed via stylet-like mouthparts adapted to pierce plant tissues. A species of particular interest in this genus, the red palm mite, *R. indica* Hirst, is currently spreading aggressively throughout the Americas on species of palm (Arecaceae). How they feed on the plant and how they are able to multiply into huge populations on one host plant have only recently been studied. Here, using low-temperature scanning electron microscopy, *R. indica* and several other species in this genus were captured and observed for the first time feeding via the stomatal aperture of host plants in several different families. These findings on their different host plants challenged our common belief that all plant-feeding mites feed by piercing the epidermis. Stomatal feeding could negatively affect the plant's ability to regulate gas and water exchange. Further examination of feeding methods for other herbivorous mites is necessary.

Ozerov, A.L., and **Norrbom, A.L.** 2010. Piophilidae. pp. 865-869, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*, NRC Research Press, Ottawa.

Pearson, C.L., Hamilton, A.L., and **Erwin, T.L.** 2010. Recovery plan for the endangered taxonomy profession. *BioScience* 61(1): 58-63.

**\*\*Polhemus, D.A.** 2011. New distributional records for Gyrinidae (Insecta: Coleoptera) on New Guinea and nearby islands, with a checklist of the New Guinea species. *Zootaxa* 2900: 51-68.

--abstract—New distributional records are provided for the following 16 taxa of Gyrinidae on New Guinea, some of which have not been documented since their original type series were collected in the late 1800s or early 1900s: *Porrorynchus (Rhomborynchus) depressus depressus* Regimbart; *Porrorynchus (Rhomborynchus) depressus misoolensis* Ochs new combination; *Dineutus (Rhombodineutus) pectoralis pectoralis* Regimbart; *Dineutus (Rhombodineutus) pectoralis blakensis* Brinck; *Dineutus (Rhombodineutus) pectoralis monticola* Ochs; *Dineutus (Rhombodineutus) heurni* Zimmerman; *Dineutus (Rhombodineutus) silenus* Brinck; *Dineutus (Rhombodineutus) sinuaticollis* Zimmerman; *Dineutus (Rhombodineutus) virescens* Ochs; *Dineutus (Rhombodineutus) chalbeus* Zimmerman; *Dineutus (Rhombodineutus) helleri stueberi* Ochs; *Dineutus (Rhombodineutus) tetracanthus* Regimbart; *Dineutus (Merodineutus) archboldianus* Ochs; *Dineutus (Merodineutus) lorae* Regimbart; *Dineutus (Merodineutus) marcochirus* Regimbart; and *Dineutus (Spinodineutes) neohollandicus* Ochs. New distribution records are also provided for *Dineutus (Dineutus) regimbarti regimbarti* Regimbart from East Timor. The type-locality of *Dineutus (Rhombodineutus) chalybeus* is constrained to Yule Island, on the Gulf of Papua. Updated distribution maps are provided for all the New Guinea species above, a table is included summarizing currently documented ranges of elevation and water temperature for all species treated, and a checklist of all species of Gyrinidae currently known from New Guinea and nearby islands is provided, with species assigned to putative areas of freshwater endemism within the island.

Rung, A., and **Mathis, W.N.** 2010. Aulacigastridae. pp. 1083-1085, *In* B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.

Rung, A., and **Mathis, W.N.** 2011. A revision of the genus *Aulacigaster* Macquart (Diptera: Aulacigastridae). *Smiths. Contr. Zoology*, Number 633, 132 pages. Scholarly Press, Smithsonian, Washington DC.

---abstract--- The world's described species of the genus *Aulacigaster* Macquart, now numbering 55, are revised. New species from the Afrotropical (2 species), Neotropical (37 species), and Oriental Regions (2 species) are described, and the genus is divided into seven species groups, of which six are Neotropical. Keys to the species groups and to the known species occurring in the Afrotropical, Nearctic, Neotropical, Palearctic, and Oriental Regions are provided. Diagnoses, detailed distributional data for species of the genus, notes on the biology, and illustrations (photographs and drawings) are included to facilitate species identification. A phylogenetic analysis was performed to test the monophyly of the genus *Aulacigaster* and to discover relationships between included species, hence indicating the monophyly of the species groups. The ingroup includes a total of 24 exemplar congeners. Outgroup sampling includes exemplars from the putative sister group, *Curiosimusca*. Analyses with and without successive weighting recovered a monophyletic *Aulacigaster* and indicated clades within the genus.

**Scheffer, S.J.** and Lonsdale, O. 2011. *Phytomyza omlandi* spec. nov. – the first species of Agromyzidae (Diptera: Schizophora) reared from the family Gelsemiaceae (Asteridae). *Proc. Entomol. Soc. Wash.* 113(1): 42-49.

--abstract-- A new species of leafmining fly in the genus *Phytomyza* Fallen (Diptera: Agromyzidae) is reared from *Gelsemium* Juss, representing the first known instance of an agromyzid feeding on a host plant, likely *G. sempervirens*(L.) (the "evening trumpetflower"), but possibly also *G. rankinii* Small, is a perennial vining species native to the southeastern United States. All examined specimens of this leafminer were reared from leaves collected in North Carolina from January to April in 1996 and 1997. The morphology and life history of the new species, *Phytomyza omlandi* Scheffer and Lonsdale, are discussed; photographs and illustrations are provided for external structures, the male genitalia and the leafmine. Morphological and molecular data support a close phylogenetic relationship between this species and the holly leafmining *P. ilicis* Curtis complex, although exact relationships are still uncertain and studies are ongoing.



Skevington, J.H., F.C. Thompson, and Camras, S. 2010. Conopidae. pp. 847-865, In B.V. Brown, A. Borkent, J.M. Cumming, D.M. Wood, N.E. Woodley and M.A. Zumbado, eds. *Manual of Central American Diptera – Volume 2*. NRC Research Press, Ottawa.

**Schockley, F.W. and Vandenberg, N.J.** 2011. Notes on the taxonomic identity of *Buystus hirtulus* (Kirsch) and transfer from Endomychidae to Coccinellidae (Coleoptera: Cucujoidea), with designation of a lectotype for *Alexia hirtula* Kirsch. *Zootaxa* 2868:62-68.

**\*\*Smith, D.R. and Altenhofer, E.** 2011. A new elm leafmining sawfly (Hymenoptera: Tenthredinidae) from Russia. *Proc. Entomol. Soc. Wash.* 113(1): 50-56.

---abstract--- *Fenusa absens*, n. sp., is described from Novosibirsk, Russia. It was reared from leaf mines in Siberian elm, *Ulmus pumila* L. Placement of this species in *Fenusa* Leach is discussed, and comparison is made to other species of elm leafmining sawflies. Because *Ulmus pumila* is not native to the Novosibirsk region, it is possible that *Fenusa absens* is an introduced species in the area.

**\*\*Smith, D.R. and Altenhofer, E.** 2011. The second record of a sawfly leafminer on *Rosa*, a new species of *Fenusa* (Hymenoptera: Tenthredinidae). *Proc. Entomol. Soc. Wash.* 113(1): 57-60.

---abstract--- *Fenus ewaldi* Smith, n. sp., is described from Novosibirsk, Russia. The larvae are leafminers of *Rosa* sp. (Rosaceae) and represent only the second sawfly leafminer of this plant genus.

**\*\*Smith, D.R., ripotin, P., and Shinohara, A.** 2011. Xiphydriid woodwasps (Hymenoptera: Xiphydriidae) of Korea. *Proc. Entomol. Soc. Wash.* 11(1): 61-70.

---abstract--- Six species in three genera of Xiphydriidae are recorded from Korea, *Euxiphydria potanini* (Jakovlev, 1891), *Xiphydriola amurensis* Semenov, 1921, *Xiphydria annulitibia* Takeuchi, 1936, *X. camelus* (Linnaeus, 1758), *X. jakovlevi* Semenov and Gussakovskij, 1935, and *X. palaeanarctica* Semenov, 1921. *Xiphydriola amurensis*, *Xiphydria annulitibia*, and *X. jakovlevi* are new country records. The following taxonomic changes are proposed: *Xiphydriola nishijimai* (Togashi, 1998), n. comb., and *Nasoxiphia* Maa, 1949 = *Xiphydria* Latreille, 1803, n. syn.

**Staines, C.L.** 2011. *Lesageana* Medvedev, 2003 a new synonym of *Trichispa* Chapuis, 1875 (Coleoptera: Chrysomelidae: Cassidinae). *Insecta Mundi* 0170: 1-2.

---abstract--- *Lesageana paucispina* Medvedev, 2003 is placed into synonymy with *Trichispa sericea* (Guerin-Meneville, 1844), new synonymy. Resulting in the

synonymy of the genera *Trichispa* Chapuis, 1875 and *Lesageana* Medvedev, 2003 (Coleoptera: Chrysomelidae: Cassidinae), new synonymy.

**Staines, C.L.** 2011. Book review – Catalogue of Palaearctic Coleoptera, Volume 6. Chrysomeloidea. *Annals of the Entomological Society of America* 104(3): 604.

Williams, D.J., Gullan, P.J., **\*\*Miller, D.R.**, Matile-Ferrero, D., & Han, S.K. 2011. A study of the scale insect genera *Puto* Signoret (Hemiptera: Sternorrhyncha: Coccoidea: Putoidea) and *Ceroputo* (Pseudococcidae) with a comparison to *Phenacoccus* Cockerell (Pseudococcidae). *Zootaxa*: 2802: 1-22.

--abstract-- For almost a century, the scale insect genus *Puto* (Hemiptera: Sternorrhyncha: Coccoidea) was considered to belong to the family Pseudococcidae (the mealybugs), but recent consensus accords *Puto* its own family, the Putoidae. This paper reviews the taxonomic history of *Puto* and family Putoidae, compares the morphology of *Puto* to that of *Ceroputo* Sule and *Phenacoccus* Cockerell, and reassesses the status of all species that have been placed in *Puto* to determine whether they belong to the Putoidae or to the Pseudococcidae. For 49 of 57 species that have been placed in *Puto*, as listed in the online database ScaleNet, we score and tabulate features that are diagnostic for Putoidae and then list all species in their correct family placement. For comparison, we include a few species of Pseudococcidae, namely five species of *Phenacoccus*, including the type species *Phenacoccus aceris* (Signoret), and the type species of *Ceroputo*, *C. pilosellae* Sule. We provide revised synonymy lists for *Puto* and *Ceroputo*, a brief diagnosis of each genus, synonymy lists and notes for several species for which we suggest recombinations or additional synonyms, or for which we have additional data on morphology. We provide a brief diagnosis of *Phenacoccus* for comparison with *Ceroputo* and *Puto*. As a result of our study, we recognize 47 extant and two fossil species of *Puto*, and six species of *Ceroputo*. The New World species *Puto mimicus* McKenzie and *Puto nulliporus* McKenzie are transferred to the mealybug genus *Ceroputo* as *Ceroputo mimicus* (McKenzie) comb. nov. and *Ceroputo nulliporus* (McKenzie) comb. nov., respectively, and the Old World species *Puto pini* Danzig and *Puto vaccinii* Danzig are recognized as *Ceroputo pini* (Danzig) comb. rev. and *Ceroputo vaccinii* (Danzig) comb. rev., respectively, in agreement with Tang (99). The Old World species of *Puto graminis* Danzig is transferred to *Ceroputo* as

*Ceroputo graminis* (Danzig) comb. nov. Based only on a study of the literature, the following two names are treated here as junior subjective synonyms of *Ceroputo pilosellae*: *Phenacoccus aseri* Takahashi syn. nov. and *Puto jarudensis* Tang syn. nov. We agree with Tang (99) that *Leococcus erigeroneus* Kanda should be treated as a junior subjective synonym of *C. pilosellae* and thus the genus name *Leococcus* Kanda, erected for *L. erigeroneus* and formerly treated as a junior synonym of *Puto*, is a junior synonym of *Ceroputo*.

Woodruff, R.W. and Steiner, W.E., Jr. 2011. A new species of *Phyllophaga* Harris from the island of Navassa in the Caribbean (Coleoptera: Scarabaeidae: Melolonthinae). *Insecta Mundi* 0157: 1-6.

Woodley, N.E. 2011. *Vitilevumyia*, an enigmatic new genus of Stratiomyidae from Fiji (Diptera). *Zootaxa* 2821: 62-68.

--abstract-- A new genus and species of Stratiomyidae (Diptera), *Vitilevumyia bobwoodleyi* gen. et sp. nov. is described from the island of Viti Levu, Fiji. It exhibits an unusual combination of character states, but is tentatively placed in the tribe Prosopochrysiini of the subfamily Stratiomyiinae.

#### VISITORS:

**Badrui Bhuiya** from the University of Chittagong, Bangladesh visited **Michael Gates** and the Hymenoptera Collection April 29 through May 05.

**Mahmuda Begum** from the University of Chittagong, Bangladesh visited **Michael Gates** and the Hymenoptera Collection April 29 through May 05.

**Johan Billen** from Zoological Institute K.U. Leuven visited **Ted Schultz** and the Formicidae Collection on February 04.

**Gracen Brilmyer** from Oregon State University visited **Floyd Shockley** May 14-25.

**Jerry Cassis** from The University of New South Wales, Australia visited **Thomas Henry** and the Heteroptera Collection February 16-25.

**Anthony Cognato** from Michigan State University visited **Natalia Vandenberg** and the Coleoptera Collection on March 08.

**John Dorshorst** from the US Department of Agriculture visited **Natalia Vandenberg** and the Coleoptera

Collection January 05-10.

**Taro Eldredge** from the University of Kansas visited **Floyd Shockley** March 21-23.

**Hermes E. Escalona G.** from CSIRO, Canberra, Australia visited **Steven Lingafelter** and the Cerambycidae Collection March 3 through April 02.

**Zachary Falin** from Kansas University visited **Gary Hevel** and the Coleoptera Collection January 11-14.

**Henri Goulet** from the Canadian National Collection visited **Michael Gates** and the Hymenoptera Collection May 02-06.

**Ian Graham** from Kansas University visited **Charyn Micheli** and the Aquatic Coleoptera Collection May 31 through June 02.

**Nick Grishin** from the University of Texas Southwestern Medical Center visited **Robert Robbins** and the Lepidoptera Collection February 09-12.

**Miguel Hernandez** from Universidad Nacional Autonoma de Mexico visited **Dana DeRoche** and the Arachnida and Myriapoda Collection April 04 through May 04.

**Heidi Hopkins** from the University of New Mexico visited **Floyd Shockley** January 10-12.

**John Huber** from the Canadian Forest Service visited **Michael Gates** and the Hymenoptera Collection May 02-06.

**Wahedul Islam** from the University of Rajshahi, Bangladesh visited **Michael Gates** and the Hymenoptera Collection April 29 through May 05.

**Jeya Karithithamby** from Oxford University, England, visited **Gary Hevel** and the Strepsiptera Collection January 11-14.

**Adelita Maria Linzmeier** from Univ. Federal do Parana, Brazil visited **Alexander Konstantinov** and the Coleoptera Collection March 01-29.

**Elizabeth Long** from the University of California at Davis visited **Robert Robbins** and the Butterfly Collection March 21-23.

**Crystal Maier** from Kansas University visited **Charyn Micheli** and the Aquatic Coleoptera Collection May 31 through June 02.

**Luciane Marinoni** from Universidade Federal do Parana, Brazil visited **Wayne Mathis** and the Diptera Collection April 27 through May 27.

**Charles McIntosh** from Kansas University visited **Charyn Micheli** and the Aquatic Coleoptera Collection May 31 through June 02.

**Augusto Montoya** from the Universidad de Puerto Rico visited **Chris Thompson** and the Diptera Collection January 26 through February 02.

**Ulrich Mueller** from the University of Texas at Austin will be a visitor with **Ted Schultz** and the Ant Collection, June 07-12.

**Sara Pinzon Navarro** from STRI, Panama visited **Natalia Vandenberg** and the Coleoptera Collection March 21 through April 08.

**Patel Nipam** from the University of California at Berkeley visited **Robert Robbins** and the Butterfly Collection on April 08.

**Claudia Ortiz-Sepulveda** from Universidad Nacional de Colombia visited **Ted Schultz** and the Formicidae Collection April 25 through May 24.

**James Pflug** from the University of Missouri visited **Thomas Henry** and the Heteroptera Collection April 11-15.

**John Pickering** from the University of Georgia visited **Thomas Henry** and the Heteroptera Collection on February 22.

**Amanda Pires** from Universidade Federal do Parana, Brazil visited **Wayne Mathis** and the Diptera Collection April 27 through May 27.

**Sigitas Podenas** from Vilnius University, Lithuania visited **Wayne Mathis** and the Diptera Collection February 24-25.

**Dan Polhemus** from the Bishop Museum, Honolulu, visited **Thomas Henry** and the Heteroptera Collection February 18-28.

**Guilherme C. Riberiro** from Universidade Federal do ABC – UFABC, Sao Paulo, Brazil, visited **Wayne Mathis** and the Diptera Collection February 05 - March 05.

**Gale Ridge** from Connecticut Agricultural Experiment Station visited **Thomas Henry** and the Heteroptera

Collection February 03-04.

**Cynthia Sagers** from the National Science Foundation visited **Ted Schultz** on March 04.

**Philippe Sagot** from France will visit **Chris Thompson** and the Diptera Collection June 01-05.

**Guilherme Santos** from Universidad de Sao Paulo, Brazil, visited **Terry Erwin** and the Coleoptera Collection April 08-22.

**Gwen Shlichta** from the University of Maryland visited **Robert Kula** and the Hymenoptera Collection February 03 through March 04.

**Robert Sites** from the University of Missouri visited **Thomas Henry** and the Heteroptera Collection April 11-15.

**Andrew Short** from Kansas University visited **Charyn Micheli** and the Aquatic Coleoptera Collection May 31 through June 02.

**Sarah Smith** from Michigan State University visited **Natalia Vandenberg** and the Coleoptera Collection March 03-08.

**Gunilla Stahis** from the University of Helsinki visited **Chris Thompson** and the Diptera Collection March 14-20.

**Pavel Starkowski** from Vilnius University, Lithuania visited **Wayne Mathis** and the Diptera Collection February 24-25.

**Larry Stevens** from the Museum of Northern Arizona visited **Oliver Flint** and the Neuropteroid Collection January 03-07, and **Warren Steiner** February 28 through March 04.

**Tatiana Vshivkova** from the Institute of Biology and Pedology, Russia visited **Oliver Flint** and the Neuropteroid Collection March 04-11.

**Andres Velez** from the University of Puerto Rico at Mayaguez visited **Floyd Shockley** February 01-08.

**Michael Wall** from San Diego Natural History Museum visited **Thomas Henry** and the Heteroptera Collection on February 04.

**Al Wheeler** from Clemson University visited **Thomas Henry** and the Heteroptera Collection February 10-13.



**Resetarits Williams** from Texas Tech University visited **Gary Hevel** on February 04.

**Grace and Monte Wood** from Canada Agriculture began a visit with **Norman Woodley** and the Diptera Collection on May 09, and will continue the visit on June 01.

**TRAVEL:**

**Terry Erwin** recently traveled to Ecuador to experiment with the capture of carabid beetles using flight interception traps.

**Gary Hevel** will be on annual leave June 06-17.

**Wayne Mathis** will be attending the North American Dipterists Society meetings and conducting field work in New Mexico June 04-20.

The **EntNews** is produced by  
the Department of Entomology  
National Museum of Natural History,  
Smithsonian Institution, Washington, DC, 20560

Chair: Wayne Mathis  
Editor: Gary Hevel  
Coordinator: Juanita Hall