



# Scarabaeus

A NEWSLETTER FOR THOSE INTERESTED IN SCARABAEIDAE

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After an absence of over a year, SCARABAEUS is back! In order to forestall future lapses, I would like to establish a network of regional contributing editors. This idea, from Dr. Clarke Scholtz in South Africa, would hopefully serve to help keep things current. I would like to see a regional editor from each of the zoogeographical realms. I (Alan Hardy) will serve as editor for the Nearctic, and Clarke has volunteered to serve for the Ethiopian. We thus stand in need of editors for the Palearctic, Neotropical, Australian and Oriental Realms, as well as perhaps Oceania. It may be appropriate, given the size of the Palearctic, to have an Eastern and a Western editor. If you are interested, please write me a letter.

Isa Montenegro has left California, and is no longer contributing for the Passalidae, So I would like to hear from anyone interested in coordinating the Passalidae.

With the photos included in this number, we have exhausted our stock of unpublished photos. If you haven't sent a photo, please do, for future publication. Thanks.

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## ADDRESS CORRECTIONS AND NEW ADDRESSES

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## RECENT LITERATURE

- Allsopp, P. G. 1989.  
Two new species of *Lepidiota* Kirby (Coleoptera:Scarabaeidae:Melolonthinae) from Australia with notes on *L. noxia* Britton. *Journal of the Australian Entomological Society*. 28:39-43. 6 figs.
- Allsopp, P. G. & Kuijten, P. J. 1988.  
Status of *Phaeochrous mashunus* Arrow and *P. camerunensis* Arrow (Coleoptera: Scarabaeidae: Hybosorinae). *The Coleopterists' Bulletin*. 42(1):33.
- Anand, R. K. 1988.  
On genus *Cyphonoxia* Reitter, with description of a new species from India (Insecta, Coleoptera, Scarabaeidae). *Reichenbachia*. 26(4):15-18. 9 figs.
- Anderson, Robert S. 1988.  
Seasonal activity and habitat associations of adult *Geotrupes* Latreille in Southern Ontario (Coleoptera: Scarabaeidae). *The Coleopterists' Bulletin*. 42(3):251.
- Baraud, Jacques. 1988.  
*Eulasia rapillyi*, Nouvelle espèce d'Israël (Col. Scarabaeoidea Glaphyridae). *Bulletin de la Société Entomologique de France*. 92(7-8):205-208. 10 figs.
- Blanco Villero, Jose Manuel. 1988.  
*Elaphocerida margaritae*, nueva especie de la Península Ibérica (Coleoptera, Melolonthidae). *Nouvelle Revue d'Entomologie (n.s.)*. 5(3):283-286. 3 figs.
- Bordat, Patrice. 1988.  
Aphodiinae d'Afrique du Sud nouveaux ou peu connus (1re note)(Coleoptera, Scarabaeoidea). *Nouvelle Revue d'Entomologie (n.s.)*. 5(1):57-65. 11 figs.
- Buckingham, Gary R. & Bennett, Christine A. 1989.  
*Dyscinetus morator* (Fab.) (Coleoptera: Scarabaeidae) adults attack waterhyacinth, *Eichhornia crassipes* (Pontederiaceae). *The Coleopterists' Bulletin*. 43(1):27-33. 2 figs.
- Cambefort, Yves. 1986.  
Une nouvelle et remarquable espèce d'*Onthophagus* d'Afrique occidentale (Coleoptera, Scarabaeidae). *Annales de la Société Entomologique de France (n.s.)*. 22(2):304-306. 2 figs.
- Cambefort, Yves. 1987.  
Insectes Coléoptères Aulonocnemidae. *Faune de Madagascar*. 69:1-87. 86 figs.
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Le Scarabée dans l'Égypte ancienne. Origine et signification du symbole. *Revue de l'Histoire des Religions*. 204(1):3-46. 9 figs.
- Cambefort, Yves. 1988.  
Deux nouveaux *Onitis* d'Asie tropicale (Col. Scarabaeidae). *Bulletin de la Société Entomologique de France*. 92(5-6):189-192. 10 figs.
- Carpaneto, Giuseppe & Piattella, Emanuele. 1985.  
Studio ecologico su una comunita di Coleotteri Scarabeoidei coprofagi nei Monti Cimini. *Bollettino Associazione Romana di Entomologia*. 40(1-4):31-58. 8 figs.
- Carpaneto, Giuseppe M. 1986.  
Una nuova specie di *Aphodius* (*Agoliinus*) del Peloponneso (Coleoptera, Aphodiidae). *Fragmenta Entomologica*. 19(1):145-154. 5 figs.
- Chalumeau, Fortuné. 1988.  
Phileurini américains: nouvelle espèce, notes et synonymie (Coleoptera, Scarabaeidae). *Nouvelle Revue d'Entomologie (n.s.)*. 5(4):397-400. 8 figs.
- Chromy, Jiri & Kral, David. 1988.  
*Aphodius* (*Nimbus*) *hoberlandti* in Central Europe (Coleoptera: Scarabaeidae). *Acta Entomologica Bohemoslovaca*. 85:348-351. 1 fig.
- Dajoz, Roger. 1988.  
Note sur la biologie de *Dynastes granti* LeConte et de quelques autres Dynastidae de l'Arizona (Insectes, Coléoptères). *Bulletin mensuel de la Société Linnéenne de Lyon*. 57(5):150-158. 6 figs.
- Davis, A. L. V. 1989.  
Nesting of Afrotropical *Oniticellus* (Coleoptera, Scarabaeidae) and its evolutionary trend from soil to dung. *Ecological Entomology*. 14:11-21. 4 figs, 3t
- Dechambre, Roger-Paul. 1989.  
*Oryctes forceps* Dechambre, espèce africaine confondue avec *O. sjoestedti* Kolbe (Col. Dynastidae). *Bulletin de la Société entomologique de France*. 93(5-6):153-155. 5 figs.

RECENT LITERATURE (CONTINUED)

- Dechambre, Roger-Paul. 1986.  
*Heterogomphus carayoni*, une nouvelle espèce de Coléoptère Dynastidae. *Annales de la Société Entomologique de France* (n.s.). 22(2):306-307. 2 figs.
- Dellacasa, Marco. 1988.  
 Contribution a world-wide catalogue of Aegialiidae, Aphodiidae, Aulonocnemidae, Termitotrogidae (Coleoptera Scarabaeoidea)(Parte II). *Memorie della Società Entomologica Italiana*. 67:1-229.
- Dellacasa, Giovanni & Gordon, Robert D. 1988.  
 The type species of *Aphodius* subgenus *Platyderides* A. Schmidt (Coleoptera Aphodiidae). *Bollettino della Società entomologica italiana*. 120(2):121-124. 9 figs.
- Deloya, Cuauhtemoc. 1987.  
 Observaciones acerca de la depredacion de *Apiomerus venosus* y *A. pictipes* (Hemiptera: Reduviidae) sobre Coleopteros Lamelicornios adultos. *Folia Entomológica Mexicana*. 71:65-66.
- Deloya, Cuauhtemoc. 1988.  
 Coleopteros Lamelicornios asociados a depositos de detritos de *Atta mexicana* (Smith)(Hymenoptera: Formicidae) en el sur del estado de Morelos, Mexico. *Folia Entomológica Mexicana*. 75:77-91.
- Deloya, Cuauhtemoc; Ruiz-Lizarraga, Graciela & Moron, M.A. 1987.  
 Analisis de la entomofauna necrofila en la region de Jojutla, Morelos, Mexico. *Folia Entomológica Mexicana*. 73:157-171.
- Domek, J. M. & Johnson, D. T. 1987  
 Evidence of a sex pheromone in the Green June Beetle, *Cotinis nitida* (Coleoptera: Scarabaeidae). *Journal of Entomological Science* 22(3):264-267.
- Edwards, Penelope B. & Aschenborn, H. H. 1988.  
 Male reproductive behaviour of the african ball-rolling dung beetle *Kheper nigroaeneus* (Coleoptera: Scarabaeidae). *The Coleopterists' Bulletin*. 42(1):17-27. 4 figs, 1t
- Evans, Arthur V. 1988.  
 Three new species of *Glyptoglossa* Brenske (Coleoptera: Scarabaeidae: Melolonthinae). *Journal of the Entomological Society of South Africa*. 51(1):87-96. 21 figs.
- Evans, Arthur V. & d'Hotman, Danielle. 1988.  
*Coenonycha* Horn in Baja California, Mexico (Coleoptera: Melolonthidae: Melolonthinae). *The Coleopterists' Bulletin*. 42(3):205-210. 3 figs.
- Fellin, David G. 1986.  
 Movement and Distribution of *Pleocoma* Larvae in Western Oregon Coniferous Forest Soils (Coleoptera : Scarabaeidae). *Pan-Pacific Entomologist*. 62(1):58-76. 8 figs.
- Galante Patiño, Eduardo & Rodriguez-Romo, Jesús. 1988.  
 Análisis de la distribución de Geotrupidae en áreas del oeste español: Provincia de Cáceres. *Mediterránea*. 10:29-44. illus.
- Galante, E. 1987.  
*Euserica paenibaeticae* sp. nov. de la Península Ibérica y redescipción de *Euserica segurana* (Brenske, 1897)(Col. Scarabaeoidea Melolonthidae). *Boletín de la Asociacion española de Entomologia*. 11:347-354. 4 figs.
- Galante, E.; Rodríguez-Romo, J. & García-Román, M. 1989.  
 Distribución y actividad anual de los Onthophagini (Col. Scarabaeidae) en la provincia de Cáceres (España). *Boletín de la Asociacion española de Entomologia*. 12:333-352. 12 figs.
- Garcia-Vidal, Miguel. 1988.  
 The Genus *Phyllophaga* Harris, 1826 (Coleoptera: Scarabaeidae) in Cuba. III. Descriptions of Six New Species and the Male of *Ph. cardini* Chapin. *Pan-Pacific Entomologist*. 64(2):101-106. 12 figs.
- Gordon, Robert D. & Cartwright, Oscar L. 1988.  
 North American Representatives of the Tribe Aegialiini (Coleoptera: Scarabaeidae: Aphodiinae). *Smithsonian Contributions to Zoology*. 461:1-37. 85 figs.
- Halfiter, Gonzalo & Halfiter, Violeta. 1988.  
 Los escarabajos rodadores que no ruedan (Coleoptera: Scarabaeidae). *Programa y Resumenes. XXIII Congreso Nacional de Entomologia*. :75-76.
- Hanski, Ilkka. 1988.  
 Are the Pyramids deified dung pats? [Various places, including:] *Tree*. 3(2):34-35. 2 figs.
- Howden, Henry F. 1988.  
 A new genus and four new species of new world Trichiinae (Coleoptera:Scarabaeidae). *The Coleopterists' Bulletin*. 42(3):241-250. 26 figs.

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- Kim, Jin Ill & Lumaret, Jean-Pierre. 1986.  
 Contribution à l'étude des Aphodiidae de Corée. Description des larves de quatre espèces d'Aphodius (Coleoptera, Scarabaeoidea). Nouvelle Revue d'Entomologie (n.s.). 3(4):485-496. 45 figs.
- Kim, Jin Ill & Lumaret, Jean-Pierre. 1988.  
 Deuxième contribution à l'étude des Aphodiidae de Corée. (Coleoptera, Scarabaeoidea). Nouvelle Revue d'Entomologie (n.s.). 5(2):159-172. 59 figs.
- Kohlmann, Bert & Halffter, Gonzalo. 1988.  
 Cladistic and biogeographical analysis of *Ateuchus* (Coleoptera: Scarabaeidae) of Mexico and the United States. Folia Entomológica Mexicana. 74:109-130. 4 figs, 2t
- Kral, D. & Soucek, M. 1987.  
 [Faunistic records from Czechoslovakia] - Coleoptera (Scarabaeidae, Melolonthidae). Acta Entomologica Bohemoslovaca. 84(4):314.
- Krikken, J. 1986.  
 Two new species of *Onthophagus* Latreille from the Philippine Island of Samar (Coleoptera: Scarabaeidae). Zoologische Mededelingen. 60(19):277-283. 12 figs.
- Krikken, J. 1987.  
 A new species of the dung beetle genus *Synopsis* Bates from Borneo, with notes on its relatives (Coleoptera: Scarabaeidae). Zoologische Mededelingen. 61(23):319-325. 6 figs.
- Krikken, J. & Huijbregts, J. 1987.  
 Southeast Asian *Termitodius*: A taxonomic review, with descriptions of four new species (Coleoptera: Aphodiidae). Zoologische Mededelingen. 61(7):97-111. 18 figs.
- Krikken, J. & Huijbregts, J. 1987.  
 Large-eyed *Onthophagus* species of Sundaland: A key and descriptions of five new species (Coleoptera: Scarabaeidae). Zoologische Mededelingen. 61(9):123-136. 8 figs.
- Kuijten, P. J. 1988.  
*Phaeocroides nanus* (Arrow), *Phaeocroides mapellii* Petrovitz and *Phaeocroides orientalis* (Petrovitz): Notes on generic status, synonymy and types; redescriptions (Coleoptera: Hybosoridae). Zoologische Mededelingen. 62(7):91-98. 13 figs.
- Kuijten, P. J. 1988.  
*Rutelarcha*, *Lutera* and *Cyphelytra*: Notes on taxonomy and nomenclature, diagnoses, and keys (Coleoptera: Rutelinae, Rutelini). Zoologische Mededelingen. 62(6):75-90. 24 figs.
- Lin, Ping. 1988.  
 The *Popillia* of China. Tianze Eldonejo. :1-71. 288 figs.
- Lumaret, Jean-Pierre & Kirk, Alan. 1987.  
 Ecology of dung beetles in the french mediterranean region (Coleoptera: Scarabaeidae). Acta Zoologica Mexicana (n.s.). 24:1-55. 13 figs.
- Mahar, Joseph. 1989.  
 A New Location for *Valgus hemipterus* (Coleoptera:Scarabaeidae). The Graet Lakes Entomologist. 22(1):55.
- Martin-Piera, F. 1987.  
 Review of the genus *Chironitis* Lansberge, 1875 I: Taxonomy, Phylogeny and Zoogeography of the Palearctic Species (Col. Scarabaeoidea, Onitini). Entomologische Arbeiten. 35/36:203-245. 37 figs.
- Martínez M., Imelda & Cruz R., Magdalena. 1988.  
 Comportamiento, glandulas accesorias y centros neuroendocrinos en machos de dos especies de *Canthon* (Coleoptera: Scarabaeinae). Acta Zoologica Mexicana (n.s.). 27:1-19. 4 figs.
- Martínez, Antonio. 1986.  
 La entomofauna de Scarabaeinae de la provincia de Salta (Col. Scarabaeoidea). Anales de la Sociedad Científica Argentina. 216:45-69.
- Martínez, Antonio. 1988.  
 Notas sobre *Eurysternus* Dalman (Coleoptera, Scarabaeidae). Entomologica Brasiliensia. 12:279-304. 13 figs.
- Martínez, Antonio. 1988.  
 El genero *Colacus* Ohaus, con la descripcion de una nueva especie (Col. Melolonthidae, Dynastinae, Agaoccephalini). Anales de la Sociedad Científica Argentina. 217:1-6. 1 fig.
- Martínez, Antonio. 1988.  
 Algunos Scarabaeinae neotropicales nuevos o poco conocidos. Revista Científica Unet. 2(1):85-90. 4 figs.
- Martínez, Antonio & Martínez, Adrian. 1987.  
 Apuntes para una revision de "*Ateuchus*" Weber (Col. Scarabaeidae, Coprini, Ateuchina). Revista del Museo Argentino de Ciencias Naturales "Bernardino Rivadavia". 6(2):27-37. 4 figs.

RECENT LITERATURE (CONTINUED)

- Matthews, E. G. & Stebnicka, Z. 1986.  
A review of *Demarziella* Balthasar, with a transfer from Aphodiinae to Scarabaeinae (Coleoptera: Scarabaeidae). Australian Journal of Zoology. 34:449-461. 15 figs.
- McLeod, Murdick J. & Schulz, John T. 1988.  
New record for *Phyllophaga* (Coleoptera: Scarabaeidae) in North Dakota. Entomological News. 99(2):95-96.
- Menke, Arnold S. & Parker, Frank D. 1988.  
Adult feeding and distribution of *Dynastes granti* Horn (Coleoptera: Scarabaeidae). The Coleopterists' Bulletin. 42(2):161-164.
- Mittal, I. C. 1988.  
New species of Sericinae and Melolonthinae from India (Insecta, Coleoptera, Scarabaeidae). Reichenbachia. 25(31):157-160. 6 figs.
- Moron, Miguel Angel. 1987.  
Adiciones a los Heterosternina (Coleoptera: Melolonthidae, Rutelinae). Folia Entomológica Mexicana. 73:69-87. 22 figs.
- Nguyen-Phung, Thérèse. 1988.  
Révision des espèces afro-tropicales du genre *Copris* Müller 1764 VI. Le groupe bootes Klug (Coleoptera, Scarabaeidae). Nouvelle Revue d'Entomologie (n.s.). 5(3):247-258. 36 figs.
- Nguyen-Phung, Thérèse. 1988.  
Révision des espèces afrotropicales du genre *Copris* Müller, 1764. VII. Le groupe corniger Sahlberg (Col. Scarabaeidae). Bulletin de la Société Entomologique de France. 92(7-8):209-219. 27 figs.
- Nikolayev, G. V. 1989.  
[Lamellicorn Beetles of Kazakhstan' and Central Asia]. Academy of Sciences of Kazakh' Socialist Republic, Institute of Zoology, Alma-Ata. 231 pp., 190 figs. (In russian).
- Palestrini, Claudia; Piazza, Roberto & Zunino, Mario. 1988.  
Segnali sonori in tre specie di Geotrupini (Coleoptera Scarabaeoidea Geotrupidae). Bollettino della Società Entomologica Italiana. 119(3):139-151. illus.
- Paulian, Renaud. 1986.  
Catalogue des Coléoptères Scarabaeidae de Madagascar. Bull. Acad. Malg. 62(1-2):89-111.
- Paulian, Renaud. 1987.  
*Onthobium nouveaux* ou peu connus de Nouvelle-Calédonie (Col. Scarabaeidae Canthonina). Bulletin de la Société entomologique de France. 91(7-8):229-236. 5 figs.
- Paulian, Renaud. 1987.  
Les Coléoptères Scarabaeidae des îles tropicales. Bulletin de la Société Zoologique de France. 112(1-2):255-275. 2 tables.
- Pittino, Riccardo. 1987.  
New Coleoptera Trogidae from South America (XXXII contribution to the knowledge of Coleoptera Scarabaeoidea). Giornale Italiano di Entomologia. 17(3):377-397. 76 figs.
- Pittino, Riccardo. 1988.  
Four new *Aphodius* Ill. species from Asia and Africa (Coleoptera Aphodiidae)(XXXI Contribution to the knowledge of Coleoptera Scarabaeoidea). Bollettino della Società Entomologica Italiana. 120(2):112-120. 12 figs.
- Pluot-Sigwalt, Dominique. 1986.  
Les glandes tégumentaires des Coléoptères Scarabaeidae: Structure et diversité des canalicules. Annales de la Société Entomologique de France (n.s.). 22(2):163-182. 30 figs.
- Pluot-Sigwalt, Dominique. 1988.  
Données sur l'activité et le rôle de quelques glandes tégumentaires, sternales, pygidiales et autres, chez deux espèces de *Canthon* (Col. Scarabaeidae). Bulletin de la Société entomologique de France. 93(3-4):89-98. 1 fig.
- Rakovic, Miloslav. 1984.  
Two interesting species of the genus *Aphodius* Illiger from Afghanistan. Coleoptera, Scarabaeidae. Acta Faunistica Entomologica Musei Nationalis Pragae. 17(203):213-218. illus.
- Rakovic, Miloslav. 1984.  
A review of the genus *Tesarius* Rakovic (Coleoptera, Scarabaeidae, Aphodiinae). Acta Entomologica Bohemoslovaca. 81(6):448-452. 11 figs.
- Ratcliffe, Brett C. 1988.  
New species and distributions of Neotropical Phileurini and a new phileurine from Burma (Coleoptera: Scarabaeidae: Dynastinae). The Coleopterists' Bulletin. 42(1):43-55. 17 figs.
- Ratcliffe, Brett C. 1988.  
Scarab Beetles. Jewelled Pollinators, Dung Feeders, and Horned Giants. Nebraskaland. 66(4):30-37. illus.

## RECENT LITERATURE (CONTINUED)

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 Beitrag zur Kenntnis von *Spodistes grandis* Sternberg (Coleoptera, Scarabaeidae, Dynastinae). *Reichenbachia*. 24(23):161-162. 2 figs.
- Ridsdill-Smith, T. J. & Matthiessen, J. N. 1988.  
 Bush fly, *Musca vetustissima* Walker (Diptera: Muscidae), control in relation to seasonal abundance of scarabaeine dung beetles (Coleoptera: Scarabaeidae) in south-western Australia. *Bulletin of Entomological Research*. 78:633-639. 2 figs, 2t
- Rodríguez-Romo, Jesús; Galante, Eduardo & García-Román, M. 1988.  
 Los escarabajos coprofagos de la Provincia de Cáceres (España): Scarabacini, Coprini, Onitini y Oniticellini (Col. Scarabaeidae). *Boletim da Sociedade Portuguesa de Entomologia*. III-24(94):1-26. 10 figs.
- Salgado, J. M. & Galante, E. 1987.  
 Adiciones al catálogo de Scarabaeoidea de la provincia de León. *Boletín de la Asociación española de Entomología*. 11:395-399.
- Sato, H. & Imamori, M. 1987.  
 Nesting behaviour of a subsocial African ball-roller *Kheper platynotus* (Coleoptera, Scarabaeidae). *Ecological Entomology*. 12(4):415-425. 8 figs.
- Scholtz, C. H.; d'Hotman, D.; Evans, A. V. & Nel, A. 1988.  
 Phylogeny and systematics of the Ochodaeidae (Insecta: Coleoptera: Scarabaeoidea). *Journal of the Entomological Society of South Africa*. 51(2):207-240. 23 figs.
- Scholtz, C. H.; d'Hotman, Danielle & Nel, Annette. 1987.  
 Systematic position of the South American genus *Cryptogenius* Westwood (Coleoptera: Scarabaeoidea: Trogidae and Hybosoridae). *The Coleopterists' Bulletin*. 41(2):193-199. 15 figs.
- Scholtz, C. H.; d'Hotman, Danielle & Nel, Annette. 1987.  
 Glaresidae, a new family of Scarabaeoidea (Coleoptera) to accommodate the genus *Glaresis* Erichson. *Systematic Entomology*. 12:345-354. 6 figs.
- Scholtz, Clarke H. 1986.  
 Phylogeny and systematics of the Trogidae (Coleoptera: Scarabaeoidea). *Systematic Entomology*. 11:355-363. 1 fig. 1t.
- Scholtz, Clarke H. 1988.  
 Biology of *Sparrmannia flava* Arrow (Coleoptera: Scarabaeidae: Melolonthinae). *The Coleopterists' Bulletin*. 42(1):57-62. 3 figs.
- Spencer, J. A. & Jarratt, J. H. 1989.  
*Euphoria sepulchralis* (Coleoptera: Scarabaeidae) damage to rose (*Rosa*) flowers in Mississippi. *Journal Entomological Science*. 24(1):7-8. 2 figs.
- Stebnicka, Zdzislawa. 1986.  
 Revision of the Aphodiinae of the Nepal-Himalayas (Coleoptera: Scarabaeidae). *Stuttgarter Beiträge zur Naturkunde. Ser. A*. 397:1-51. 99 figs.
- Stebnicka, Zdzislawa. 1986.  
 Notes on the taxonomic status of the genus *Caelius* Lewis (Coleoptera, Scarabaeidae, Aphodiinae). *Acta Zoologica Cracoviensia*. 29(14):339-354. 25 figs.
- Stebnicka, Zdzislawa. 1988.  
 Coleoptera: Scarabaeidae, Aphodiinae from Sri Lanka. *Entomologica Scandinavica Supplement*. 30:163-166. 3 figs.
- Stebnicka, Zdzislawa. 1988.  
 On some Aphodiinae (Coleoptera: Scarabaeidae) from the Muséum d'Histoire naturelle in Genève. *Revue suisse Zoologie*. 95(4):961-970. 10 figs.
- Storey, R. I. & Weir, T. A. 1988.  
 New localities and biological notes for the genus *Onthophagus* Latreille (Coleoptera: Scarabaeidae) in Australia. *Australian Entomological Magazine*. 15(1):17-24.
- Young, Ronald M. 1988.  
 A monograph of the Genus *Polyphylla* Harris in America north of Mexico (Coleoptera: Scarabaeidae: Melolonthinae). *Bulletin of the University of Nebraska State Museum*. 11(2):1-115. 76 figs.
- Young, Ronald M. 1988.  
 A new state record for *Aphonus texanus* Gill and Howden (Coleoptera: Scarabaeidae: Dynastinae). *The Coleopterists' Bulletin*. 42(4):336.
- Zunino, Mario. 1983.  
 Las relaciones taxonómicas de los Phanaeina (Coleoptera, Scarabaeinae) y sus implicancias biogeográficas (Resumen). *Revista Peruana de Entomología*. 26(1):21-23. 1 fig.



RECENT LITERATURE (CONTINUED)

Zunino, Mario & Halffter, Gonzalo. 1988.

Neuva especie de *Onthophagus* (Coleoptera, Scarabaeidae) asociada a cuevas. *Folia Entomológica Mexicana*. 75:17-32. 5 figs.



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ABOVE:

LEFT TO RIGHT: Brett Ratcliffe, USA; Jean M. I. Donaldson, Australia; Clarke Scholtz, South Africa; Frank-Thorsten Krell, FDR.

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NOTICES

LITERATURE WANTED-

Luginbill & Painter. 1953. May beetles of the U. S. & Canada. USDA Technical Bulletin #1060.

Sayl or, L. W.. 1940(1942). Revision of the Scarabaeid Beetles of the Phyllophagan subgenus *Listrochelus* of the U. S., with discussion of related subgenera. Proceedings of the United States National Museum 89(3095).

Please write stating quality of volume and price desired. Delbert La Rue, 3894 McKinzie St., Riverside, CA. 92503 USA.

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EXCHANGE- Contacts wanted for all groups of Nearctic and Neotropical Scarabaeidae. Melolonthinae and Rutelinae especially desired. Delbert La Rue, 3894 McKinzie St., Riverside, CA. 92503 USA.

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FOR SALE- Bio-Quip Cornell pinning trays. Fourteen 1025AA (three with slight glue damage underneath); four 1025B; thirty four 1025C. Never used except three noted above. \$40.00 plus shipping, 20% off of catalog price. Ronald M. Young, UN State Museum. 212 Morrill Hall, Lincoln Nebraska 68588-0338 USA

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THE INTERNATIONAL CONGRESS OF COLEOPTEROLOGY- Will hold a workshop on the Scarabaeoidea, chaired by Drs. G. Halffter and M Zunino. The Congress will be held in Barcelona Spain, September 18-23, 1989. Contact Asociación Europea de Coleopterología, Departamento de Biología Animal (Invertebrados), Facultad de Biología, Universidad de Barcelona, Avda. Diagonal, 645, 08028 Barcelona, SPAIN.

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AUSTRALIAN SCARABAEOIDEA CATALOG- The second Coleoptera volume of the Zoological Catalogue of Australia series, produced by the Bureau of Flora and Fauna, Canberra, will be a catalog of the Scarabaeoidea. The work will be in three parts; The Scarabaeidae, Melolonthinae by W. W. K. Houston and T. A. Weir; the Lucanidae by G. Cassis and B. P. Moore and the rest of the Scarabaeidae and other families by G. Cassis and T. A. Weir. Publication expected sometime in 1989. Contact T. A. Weir, CSIRO, Division of Entomology, Black Mountain, GPO Box 1700, Canberra, ACT 2601, AUSTRALIA.

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PREVIOUS PAGE:

TOP ROW, LEFT TO RIGHT: Julius Boos, USA; Renaud Paulian, France; Antonio Rey, Italy; Suzan Ali Badr, Egypt. ROW TWO: Ron Young, USA; Mario Zunino, Italy; Ron McPeak, USA; Miguel Garcia-Vidal, USA (Cuba). ROW THREE: Robert Woodruff, USA; Jin Ill Kim, Korea; Mary Liz Jameson, USA; Andreas Reichenbach, DDR. ROW FOUR: William Warner, USA; Alan Hardy, USA; Riccardo Pittino, Italy; Miguel Angel Moron, Mexico.