



Scarabaeus

A NEWSLETTER FOR THOSE INTERESTED IN SCARABAEIDAE

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As you have by now noticed, this issue of SCARABAEUS is considerably delayed. An explanation is therefore in order.

All of the files used for this newsletter have been maintained on an IBM compatible computer. The Recent Literature and mailing lists have been compiled and produced with dBase III+ (formerly dBase II), and the text with Wordstar 4.0 (formerly Wordstar 2.0). Over the past six months or so the Insect Taxonomy Laboratory has been receiving IBM PC-AT computers, and more recently, the new IBM PS/2-60 systems. There is no doubt that these are superior computers, both in speed of operation and in ease of use, output characteristics, etc. As a result, the IBM compatible computers were moved out of the lab, and the files then transferred to the new machines. To make a long story short, as the result of a faulty disk drive in one of the new AT computers, all of the files (including the mailing list) were destroyed just as this issue was nearing completion. Since the normal procedure is to back up the files frequently, this should have been no problem, but upon examination of the backup files, I was horrified to discover that these files had been made by the same bad drive, and they also were unusable!

Luckily, There was a very old backup copy of the mailing list, and so the job of rebuilding the files was not impossible. The old proverb that lightning never strikes twice in the same place isn't really true. Although working on a different machine, with consummate skill I managed to lose all of the text files yet again! Lessons learned the hard way are lessons learned well, and this third version of the "July 1987" newsletter is hopefully the last.

We expect to be back on schedule by January, 1988.

NEW ADDRESSES

The following addresses have been changed since we published the addresses in the last SCARABAEUS. An * represents a correction.

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The following addresses are no longer correct, and we have no correction. If you are aware of the correct address for any of these individuals, please inform the editor.

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BOOK REVIEW

Moron, Miguel Angel. 1986. El Genero Phyllophaga en Mexico. Morfologia, distribucion y sistematica supraespecifica. (Insecta: Coleoptera). Instituto de Ecologia, Mexico, D.F. 341 pp., 9 maps, 37 tables, 314 figs. In spanish.

This is the published version of the doctoral dissertation by Moron, and is introduced as the first of a projected six volumes on Phyllophaga from Mexico. This first part, as the title suggests, is upon the morphology, systematics and distribution of the genus.

The introductory chapter includes an historical analysis of the Phyllophagan genera, and includes a large fold-out chart. Also included is a summary of the study of Mexican Phyllophaga, and a materials and methods section.

The second chapter of the book is devoted to a study of the morphology of the adult, and the third to the morphology of the immature forms. Both sections are well illustrated with many of Moron's excellent drawings, and electron and light micrographs. These two sections include 130 pages of the total.

Moron's studies are based upon over 52,000 specimens, borrowed from over 20 institutions and private collections. The bulk of the remainder of the book is devoted to the presentation of the results of his systematic studies on this mass of material. The fourth chapter is an evaluation of the characters and a supraspecific analysis, which runs for approximately 20 pages. The fifth chapter deals with the supraspecific classification, including a key to the genera and the species groups. Following the key is a section where the Mexican species have been placed in the appropriate group. After this listing, comes the detailed treatment of the species groups, group by group. Information upon each group includes a diagnosis, the geographical range of the group, the included species, with a listing of which cooperating institution had representatives of the various species. This section is 90 pages in length.

The sixth and final chapter is a treatment of the biology, ecology and distribution of Phyllophaga in Mexico. Included is information on life histories, natural enemies, and distribution (altitudinal and latitudinal).

The remaining material includes a literature cited section, an abstract, and a taxonomic index.

Although my Spanish leaves a great deal to be desired, I was able to read and understand a great deal of the text, and easily derive much useful information. With the completion of this work, researchers should, for the first time, be able to readily identify representatives of the over 250 species. Moron should be commended for his willingness to tackle a problem of this magnitude. From the results published in this volume, it appears that, with the remaining volumes, he will have produced an outstanding contribution to the knowledge of one of the largest genera of Coleoptera in the world. I would highly recommend this work to those interested in Coleoptera, the Scarabaeidae, zoogeographic topics, or tropical biology.

-Alan R. Hardy-

RECENT LITERATURE

- Carpaneto, Giuseppe M. 1985.
Distribution patterns and zoogeographical analysis of dung beetles in Greece (Coleoptera, Scarabaeoidea).
2e Cong. Int. Zoogeog. Ecol. Grece et Regions Avoisinantes. :229-244. 8 figs.
- Carpaneto, Giuseppe M. 1985.
Dati faunistici e considerazioni zoogeografiche sugli scarabeoidei delle Isole Eolie (Coleoptera, Scarabaeoidea).
Animalia. 12(1/3):87-99.
- Carpaneto, Giuseppe M. 1986.
Una Nuova Specie di Aphodius (Aphodiinus) del Peloponneso (Coleoptera, Aphodiidae).
Fragmenta Entomol. Roma. 19(1):145-154. 5 figs.
- Carpaneto, Giuseppe M. 1986.
I Coleotteri Scarabaeoidei delle Zoocenosi Coprofaghe nel Parco Nazionale del Circeo.
Atti Conv. Faun. Probl. Zool. P. N. Circeo. :37-75. illus.

- Carpaneto, Giuseppe M. & Fabri, Massimo 1984.
Coleotteri Scarabaeidae e Aphodiidae coprofagi associati agli escrementi dell'Orso marsicano (*Ursus arctos marsicanus* Altobello) nel Parco Nazionale d'Abruzzo (Coleoptera).
Boll. Ass. Romana Entomol. 38:31-45. illus.
- Carpaneto, Giuseppe M. & Piattella, Emanuele 1986.
Studio Ecologico su una Comunita di Coleotteri Scarabaeoidei Coprofagi nei Monti Cimini.
Boll. Ass. Romana Entomol. 40:31-58. 8 figs.
- Dellacasa, Giovanni 1986.
A world-wide revision of *Aphodius* sharing a large scutellum (Coleoptera Scarabaeidae Aphodiinae).
Frustrula Entomologica (N.S.). VII-VIII:173-282. 317 figs.
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An annotated checklist of dung-associated beetles of the Savanna Ecosystem Project study area, Nylsvley.
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Clarification of a name in Gymnetini (Coleoptera: Scarabaeidae).
The Coleopterist's Bulletin. 41(2):154-155.
- Hardy, Alan R. & Andrews, Fred G. 1987.
Studies in the Coleoptera of Western Sand Dunes. 3. Remarks upon *Serica* (Scarabaeidae) from some Nevada Sand Dunes with descriptions of two new taxa.
The Coleopterist's Bulletin. 41(2):173-179. 13 figs.
- Howden, Henry F. & Peck, S. 8. 1987.
Adult habits, larval morphology and phylogenetic placement of *Taurocerastes patagonicus* Philippi (Scarabaeidae: Geotrupinae).
Canadian Journal of Zoology. 65:329-332. 10 figs.
- Howden, Henry F. & Scholtz, C. H. 1987.
A revision of the African genus *Odontoloma* Boheman (Coleoptera: Scarabaeidae, Scarabaeinae).
Journal of the Entomological Society of Southern Africa. 50(1):155-192. 69 figs.
- Krell, Frank-Thorsten 1986.
Zur *Aphodius*-Faunistik (Scarab.)
Entomol. Blatter fur Biol. und Systematik der Kafer. 82(1-2):126.
- Krell, Frank-Thorsten 1986.
Dynastinae aus Togo sowie Beschreibung einer neuen *Temnorrhynchus*-Art (Coleoptera, Scarabaeoidea, Melolonthidae).
Entomofauna, Zeitschrift fur Entomologie. 7(21):293-304. illus.
- Lago, Paul K. & Mann, Michael O. 1987.
Survey of Coleoptera associated with flowers of wild carrot (*Dacus carota* L.)(Apiaceae) in Northern Mississippi.
The Coleopterist's Bulletin. 41(1):1-8.
- Martin Piera, Fermin 1983.
Los Onthophagini Iberio-Baleares.
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- Martin Piera, Fermin 1985.
Dos nuevos *Palaonthophagus* del Asia Central (Col., Scarabaeoidea, Onthophagini).
Bolletino del Museo Regionale di Scienze Naturali- Torino. 3(2):437-448. 8 figs.
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Los generos de Melolonthini y las especies Ibero-Baleares de *Amphimallon* Berthold, 1827, y *Monotropus* Erichson, 1848.
Graellsia. XLI:7-30.
- Martin Piera, Fermin 1985.
Una nueva especie de *Parentius* Zunino, 1979, de la Region Oriental (Col, Scarabaeoidea, Onthophagini).
Eos. LXI:199-205. 4 figs.

- Martin Piera, Fermin 1985.
 Filogenia y zoogeografia de las especies palearticas del subgenero Parentius Zunino, 1979 (Col., Scarabaeoidea, Onthophagini).
 Actas do II Congresso Iberico de Entomologia. :47-56. 1 fig
- Martin Piera, Fermin 1986.
 Los Rhizotrogus Berthold, 1827, Ibero-Baleares. I. Claves de identification actualizadas (Col., Scarabaeoidea, Melolonthini).
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- Martin Piera, Fermin 1987.
 Description del macho de Onthophagus (Palaeonthophagus) rachelis Martin Piera, 1985 y nuevos datos sobre su distribucion geografica (Coleoptera, Scarabaeidae).
 Nouv. Revue Entomol. (N.S.). 4(1):73-78. 4 figs.
- Martin Piera, Fermin & Veiga, C. M. 1985.
 Sobre dos especies mal conocidas de Scarabaeoidea (Col.) de la Peninsula Iberica: Scarabaeus pius (Illiger, 1803) y Onthophagus (Palaeonthophagus) marginalis andalusicus Walt, 1835.
 Eos. LXI:207-213. 2 figs.
- Martin Piera, Fermin & Zunino, Mario 1981.
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 Bolletino del Museo di Zoologia dell'Universita di Torino. 1:1-12. 2 figs.
- Martin Piera, Fermin & Zunino, Mario 1985.
 Taxonomie et biogeographie des Onthophagus du "groupe de l'O. ovatus". I. (Coleoptera, Scarabaeoidea).
 Nouv. Revue Entomol. (N.S.). 2(3):241-250. 16 figs.
- Martin Piera, Fermin & Zunino, Mario 1986.
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 Bolletino del Museo Regionale di Scienze Naturali- Torino. 4(2):413-467. 29 figs.
- Martinez, Antonio & Halfpter, Gonzalo 1986.
 Situacion del Genero Canthidium Erichson (Coleoptera: Scarabaeidae: Scarabaeinae).
 Acta Zool. Mex. (N.S.). 17:19-40. 5 figs.
- Martinez, Antonio & Halfpter, Gonzalo 1986.
 Dos nuevas especies de Canthidium (Coleoptera, Scarabaeidae).
 An. Esc. nac. Cienc. biol. Mex. 30:19-25.
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 Biogeography of scavenging scarab beetles in the Florida Keys: post-Pleistocene land-bridge islands.
 Canadian Journal of Zoology. 63(12):2730-2737. 3 figs.
- Pittino, Riccardo & Mariani, Giovanni 1986.
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 A contribution to the taxonomy and ecology of the genus Potosia Mulsant.
 Annotationes Zoologicae et Botanicae. 173:1-20. 2 pls.
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 These d'Etat, Universite d'Orleans, Faculte des Sciences. :1-324. 10 p 102 f
- Scholtz, Clarke H. & Howden, Henry F. 1987.
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 Journal of the Entomological Society of Southern Africa. 50(1):121-154. 54 figs.

- Scholtz, Clarke H. & Howden, Henry F. 1987.
A revision of the African *Cathonina* [sic] (Coleoptera: Scarabaeidae: Scarabaeinae).
Journal of the Entomological Society of Southern Africa. 50(1):75-119. 67 figs.
- Scholtz, Clarke H. 1986.
Revision of the Genus *Trox* Fabricius (Coleoptera: Trogidae) of the Australasian
Region.
Australian Journal of Zoology. 125:1-99. 81 figs.
- Stebnicka, Zdzislawa. 1986.
Revision of the Aphodiinae of the Nepal-Himalayas (Coleoptera: Scarabaeidae).
Stuttgarter Beitrage zur Naturkunde. A(397):1-51. 99 figs.
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PASSALIDAE

RECENT LITERATURE

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Contribution a l'etude des Passalidae guyana-amazonensis (Coleoptera, Scarabaeoidea).
Annals Soc. Entomol. France (N.S.). 22(4):491.
- Castillo, Camelia & Reyes-Castillo, Pedro 1984.
Biosistemática del genero *Petrejoides* Kuwert (Coleoptera, Lamellicornia, Passalidae).
Acta Zool. Mexicana (N.S.). 4:1-84. 17 figs.
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Monografía del genero *Oileus* Kaup (Coleoptera, Scarabaeoidea, Passalidae).
Folia Entomologica Mexicana. 57:1-50. 29 figs.
- Reyes-Castillo, Pedro & Castillo, Camelia 1986.
Nuevas especies de Coleoptera Passalidae de la zone de transición mexicana.
An. Inst. Biol. UNAM, Ser. Zool.. 56(1):141-154. 4 figs.
- Reyes-Castillo, Pedro & Halfpter, Gonzalo 1984.
La estructura social de los Passalidae (Coleoptera, Lamellicornia).
Folia Entomologica Mexicana. 61:49-72. 9 figs.