



# Scarabaeus

A NEWSLETTER FOR THOSE INTERESTED IN SCARABAEIDAE

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This is the first edition of SCARABAEUS to be mailed worldwide. All previous numbers have been distributed to interested persons in North America, as well as a few others who have specifically requested them. We would like to welcome all of our new readers.

SCARABAEUS is a newsletter designed to provide those with an interest in Scarabaeidae (sensu lato) a means of contacting each other, and is provided free of charge. Any persons with items of interest, or with specific requests for specimens or literature are free to write, and their notice will be placed in the next issue. We will be putting SCARABAEUS on a regular schedule with this number, with issues appearing in January and July. We would like to hear from you.

Perhaps the most important feature of the newsletter is the "Recent Literature" listing. This is compiled by the editors from journals and other sources; however most are compiled directly from the separates sent by authors. In order to ensure that your publications are cited in SCARABAEUS, we ask all authors to send copies of their papers as published to the editor, Alan Hardy, at the address on the masthead.

We would like to have this newsletter sent to as many people as possible, and so we ask our readers to please inform others of the newsletter. We have tried to compile as extensive a list as possible of the world's workers on Scarabaeidae, but we are certain to have overlooked some. If any person not currently on our mailing list is desirous of receiving this newsletter, we would be happy to include them, without charge.

A limited number of back issues of numbers 1 to 8 are still available to those who would like to have them. Write the editor.

Also with this number we welcome a new contributing editor, Dr. Brett Ratcliffe, of the University of Nebraska. Brett will be providing information on literature, and, in fact, has contributed to this number.

We welcome any comments you may have.

NOTES ON VALGUS CALIFORNICUS HORN

Valgus californicus is found in the mountainous areas throughout California. This species is mentioned as an inquiline in the nest of the termite Zootermopsis angusticollis Hagen in the Pacific coast region by Banks & Snyder (1920). Hinton (1930) remarked on collecting larvae, pupae and adults beneath loose bark at the base of termite-infested sugar pine (Pinus Lambertiana) He commented on the fact that the pupae were found in cells constructed of termite castings. A description of the larvae appeared in Ritcher (1966).

Linsley and Ross (1940) collected Valgus in several localities in the San Jacinto Mountains in association with Zootermopsis sp. beneath the bark of Pinus ponderosa.

Keen Camp Summit, east of Mountain Center (San Jacinto Mountains, Riverside Co., California) proved to be an ideal habitat for this uncommon species. The area had been logged many years before, leaving many two to three foot long stumps of P. ponderosa behind. Most of the stumps were heavily infested with Zootermopsis sp. Several Valgus were found beneath the bark at the base of the stumps. A few were found in the termite galleries located in the moist, pulpy portion of the stump. The majority of specimens (48 from one stump!) were found in the dry, upper portions of the stumps. By carefully chopping with a machete, males, females and copulating pairs were found in the blind galleries. Termite activity is restricted to the moist environs below. Here the larvae were found, developing in deposits of moist frass.

These observations were made during the months of March and April.

Literature Cited

Banks, N. & T. E. Snyder. 1920. A revision of the nearctic termites. Bull. U. S. Nat. Mus. 108:1-211.

Hinton, H. E. 1930. Observations on two California beetles. Pan-Pacific Entomol. 7(2):94-95.

Linsley, E. G. & E. S. Ross. 1940. Records of some Coleoptera from the San Jacinto Mountains, California. Pan-Pacific Entomol. 16(2):75-76.

Ritcher, P. O. 1966. White grubs and their allies. Corvallis, Ore. State Univ. Press. 219pp.

--Arthur V. Evans, 767 Freeman, Apt. 4, Long Beach, CA. 90804, USA

NOTICES

Dr. Clarke Scholtz would like to borrow any larvae of South American Trox. Please contact him at: Department of Entomology, University of Pretoria, Pretoria, 0002, Republic of South Africa

FOR SALE- I would like to sell my collection of Scarabaeidae. The collection includes 4500 specimens in 290 identified species. List available. Asking \$3000 for all. Contact: Bill Gavin, Department of Entomology, Oregon State University, Corvallis, Oregon, 97330, USA.

## NOTICE OF NEW JOURNAL

ENTOMOGRAPHY: Available from Entomography Publications,  
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Volumes 1 and 2 now available. Cost, \$40.00 US per volume.

Entomography is an annual publication for studies on the biosystematics of insects or related arthropods. It has been established to accommodate papers of more than 10 printed pages, for a reasonable charge, on various aspects of insect biology, evolution and systematics. Each volume will include approximately 500 pages. If warranted, more than one volume can be produced in a given year. Each copy is bound in hardcover, stamped on spine and front, suitable for library shelves.

### RECENT LITERATURE

- Paulian, Renaud. 1980. Insects of Saudi Arabia. Coleoptera: Scarabaeoidea (1<sup>re</sup> contribution). Fauna Saudi Arabia 2:141-154.
- Paulian, Renaud. 1981. Un nouveau Madrasostes des îles Bismark (Coleoptera, Ceratocanthidae). Rev. Suisse Zool. 88(2):343-344.
- Endrodi, S. 1981. Neue und Selten Dynastinen aus Sudamerika und eine synonymische Bemerkung (Coleoptera, Melolonthidae). Ann. Hist.-Nat. Mus. Nat. Hungarici 73:197-202.
- Dechambre, Roger-Paul. 1981. Nouveaux Oryctini de la Region Orientale (Coleoptera, Dynastidae). Rev. Fr. Entomol. (N.S.) 3(1):23-26.
- Houston, W. W. K. 1983. Identification of the dung beetles Onitis crenatus Reiche (Coleoptera: Scarabaeidae) from Ethiopia and O. crenatus sensu Boheman from southern Africa. J. Entomol. Soc. Sth. Afr. 46(2):249-256.
- Smith, T. J. Ridsdill, T. A. Weir & S. B. Peck. 1983. Dung beetles (Scarabaeidae: Scarabaeinae and Aphodiinae) active in forest habitats in southwestern Australia during winter. J. Aust. Entomol. Soc. 22:307-309.
- Pittino, Riccardo. 1982. Il rango tassonomico di Aphodius (Nimbus) dorbignyi Clouet. Boll. Soc. Entomol. Ital. 114(1-3):42-45.
- Pittino, Riccardo & Giovanni Maria Carpaneto. 1982. Rinvenimento di Onthophagus panici Petrovitz in Grecia (Coleoptera Scarabaeidae). Boll. Soc. Entomol. Ital. 14(1-3):46-48.
- Palestrini, Claudia. 1982. Il "sottogenere" Pseudonthophagus Balh (Coleoptera Scarabaeoidea Onthophagini). Boll. Soc. Entomol. Ital. 114(4-7)97-102.
- Sabatinelli, Guido & Enrico Migliaccio. 1982. Scarabaeidae floricoli raccolti nel Nepal Orientale con descrizione di due nuove specie. Boll. Soc. Entomol. Ital. 114(4-7):103-112.

- Nikolajev, G.V. 1979. Eine neue Art der Gattung *Rhizotrogus* Berth. (Coleoptera:Scarabaeidae) aus Kasachstan und Besonderheiten ihrer Biologie. *Folia Entomol. Hungarica* XXXII(2):173-174.
- Nikolajev, G.V. 1979. Neue Gattungen und Untergattungen der Blatthornkafer (Coleoptera, Scarabaeidae). *Reichenbachia* 17(23):189-191.
- Nikolajev, G.V. 1979. New species of insects from the asiatic part of the USSR. *Proc. Zool. Inst. Acad. Sci. USSR* 88:39-41. [In russian].
- Paulian, Renaud, Jean-Pierre Lumaret, & G.B. Monteith. 1983. La larve du genre *Cephalodesmius* Westwood (Col. Scarabaeidae). *Bull. Soc. Entomol. France* 88:635-648.
- Lumaret, Jean-Pierre. 1983. La nidification des Trox (Col. Scarabaeoidea Trogidae). *Bull. Soc. Entomol. France* 88:594-596.
- Lumaret, Jean-Pierre. 1983. Structure des peuplements de Coprophages Scarabaeidae en region mediterraneenne francaise: relations entre les conditions ecologiques et quelques parametres biologiques des especes. *Bull. Soc. Entomol. France* 88:481-495.
- Zunino, Mario. 1984. Sistematica generica dei Geotrupinae (Coleoptera, Scarabaeoidea: Geotrupidae), filogenesi della sottofamiglia e considerazioni biogeografiche. *Boll. Mus. Reg. Sci. Nat. Torino* 2(1):9-162.
- Branco, Tristao. 1984. Sur le dimorphisme sexuel secondaire chez *Thorectes laevigatus cobosi* Baraud (Coleoptera: Geotrupidae). *Entomol. Bericht.* 44(1):44-47.
- Branco, Tristao. 1983. Redecouverte d'*Aphodius putoni* Reitter (Coleoptera Scarabaeoidea). *Nouv. Rev. Entomol.* XIII(2):191-195.
- Ratcliffe, Brett C. 1983. Take a beetle to lunch today. *The Explorer.* 25(4):22-26.
- Piera, F. Martin. 1983. Composicion sistematica y origen biogeografico de la fauna iberica de Onthophagini (Coleoptera, Scarabaeoidea). *Boll. Mus. Reg. Sci. Nat.* 1(1):165-200.
- Piera, F. Martin & M. Zunino. 1983. *Amphionthophagus*, nuovo sottogenere di *Onthophagus* Latr. (Coleoptera, Scarabaeidae). *Boll. Mus. Reg. Sci. Nat.* 1(1):59-76.
- Piera, Fermin Martin. 1983. El estatus taxonomico de *Onthophagus tesquorum* Semenov y Medvedev, 1927 (Col. Scarabaeoidea). *Nouv. Rev. Entomol.* XIII:197-202.
- Piera, F. Martin. 1981. Corologia de *Onthophagus joannae* Goljan, 1953 y *Onthophagus ovatus* (Linnaeus, 1767) (Col. Scarabaeidae) en la peninsula Iberica. *Bol. Asoc. Esp. Entomol.* 4:205-213.
- Endrodi, S. 1983. *Sisyphus bornemisszanus* sp. n. from South Africa (Coleoptera, Scarabaeidae). *Ann. Hist-Nat. Mus. Nat. Hungarice* 75:207-210.

- Halffter, Gonzalo. 1982. Evolved Relations Between Reproductive and Subsocial Behaviors in Coleoptera. in The Biology of Social Insects; Proc. 9<sup>th</sup> Int. Union Study Social Insects; 1982. Westview Press, Boulder Colorado. pp. 164-170.
- Paulian, Renaud. 1982. Revision des ceratocanthidae (Coleoptera Scarabaeoidea) d'Amerique de Sud. Mem. Mus. Nat. Hist. Nat. (N.S., ser. A, Zool.) 124:1-110, 18 pl.
- Paulian, Renaud & Andre Descarpentries. 1982. Insectes Coleopteres. Cetonidae Euchroeina I. Systematique. Faune de Madagascar 57:1-67.
- Paulian, Renaud. 1981. Insectes Coleopteres. Trogidae et Hybosoridae. Faune de Madagascar. 56:1-29.
- Scholtz, C.H. 1983. A review of the genus Glaresis Erichson (Coleoptera:Trogidae) of subsaharan Africa. J. Entomol. Soc. S. Afr. 46(2):209-225.
- Scholtz, C.H. 1983. A new species of Trox F. (Coleoptera:Trogidae) from Senegal with new distributional records for other African species. J. Entomol. Soc. S. Afr. 46(2):205-208.
- Moron R., Miguel Angel. 1983. A revision of the subtribe Heterosternina (Coleoptera, Melolonthidae, Rutelinae). Folia Entomol. Mex. 55:31-101.
- Kuijten, P.J. 1983. Revision of the genus Hybosorus Macleay (Coleoptera:Scarabaeidae, Hybosorinae). Zool. Verhand. 203:1-49, 1pl.
- Kuijten, P.J. 1981. Description of Phaeochrous davaonis spec. nov., with notes on the other Philippine species of Phaeochrous (Coleoptera: Scarabaeidae, Hybosorinae). Netherlands J. Zool. 31(2):476-479.
- Baraud, Jacques. 1982. Nouveaux Pachydemini et Onthophagini de la faune palearctique. Nouv. Rev. Entomol. XII(3):235-240.
- Miller, Scott E. 1983. Late Quaternary Insects of Rancho La Brea and McKittrick, California. Quaternary Research 20:90-104.
- Vanin, Sergio A., & Cleide Costa. 1980. Larvae of Neotropical Coleoptera. III: Scarabaeidae, Rutelinae. Papeis Avulsos Zool., S. Paulo, 33(17):275-282.
- Vanin, Sergio A., Cleide Costa & Luiz R. Fontes. 1983. Larvae of Neotropical Coleoptera. VI. Scarabaeidae, Dynastinae, Phileurini. Papeis Avulsos Zool., S. Paulo, 35(5):55-72.
- Nikolajev, G.P. 1981. Beitrag zur Kenntnis der Trochaloschema-Arten (Coleoptera: Scarabaeidae, Sericinae). Folia Entomol. Hungarica. XLII(XXXIV)2:123-125.
- Nikolajev, G.V. 1982. Beitrag zur Systematik der Bolbaffer-Arten. Deut. Entomol. Zeit., N.F. 29, Heft 1-3:35-42.
- Cherry, R. H. & J. A. Dusky. 1983. Contact toxicities of ten insecticides to the Sugarcane Grub, Ligyрус subtropicus (Coleoptera: Scarabaeidae). Florida Entomol. 66(4):503-506.

- Dechambre, Roger-Paul. 1981. Nouvelles especes de Dynastidae de la region Neotropicale (Coleoptera Scarabaeoidea). Rev. Fr. Entomol. (N.S.) 3(4):123-128.
- Dechambre, Roger-Paul, & R. B. Madge. 1979. A new genus and species of dynastine beetle from Ethiopia (Coleoptera, Scarabaeidae, Dynastinae). Bull. I.F.A.N. 41(ser. A, no. 4):829-836.
- Dechambre, Roger-Paul. 1981. Le genre Trichogomphus Burmeister (Col. Dynastidae). L'Entomologiste. 37(1):1-9.
- Zunino, M. 1981. Insects of Saudi Arabia Coleoptera: Fam Scarabaeidae, Tribe Onthophagini. Fauna of Saudi Arabia 3:408-416.
- Ratcliffe, Brett C. 1981. New Species and Distributional records of Surutu from Amazonian Brazil (Coleoptera: Scarabaeidae: Dynastinae). Coleopt. Bull. 35(1):107-112.
- Young, O. P. 1981. The attraction of Neotropical Scarabaeinae (Coleoptera: Scarabaeidae) to reptile and amphibian fecal material. Coleopt. Bull. 35(3):345-348.
- Gordon, Robert D. 1983. Studies on the Genus Aphodius of the United States and Canada (Coleoptera:Scarabaeidae). VII. Food and Habitat; Distribution; Key to Eastern Species. Proc. Entomol. Soc. Wash. 85(4):633-652.
- Rust, R.W. & L.M. Hanks. 1982 (1983). Notes on the Biology of Aegialia hardyi Gordon and Cartwright (Coleoptera:Scarabaeidae). Pan-Pacific Entomol. 58(4):319-325.
- Garcia-Vidal, Miguel. 1982 (1983). The Genus Anoplosiagum Blanchard (Coleoptera:Scarabaeidae) in Cuba. Part I. Description of Five New Species. Pan-Pacific Entomol. 58(4):330-335.
- Sugden, Evan A. & Robin Giblin. 1983. Pleocomma rubiginosa transierrae Hovore (Coleoptera:Pleocomidae): Discovery of Female Mating Behavior, Nematode Associate. Coleopt. Bull. 37(4):348.
- Allsopp, P.G. 1983. Neophaenognatha, a New Genus for the Neotropical Species of Phaenognatha Hope (Scarabaeidae:Aclopiinae) with the description of N. capella n. sp. and Designation of Lectotypes. Coleopt. Bull. 37(3):208-211.
- Ratcliffe, Brett C. & Roger-Paul Dechambre. 1983. New Combinations, Synonymy and Distribution Records for Neotropical Pentodontini and Dryctini (Coleoptera:Scarabaeidae:Dynastinae). Coleopt. Bull. 37(3):267-272.
- Young, Orrey P. 1983. The Distribution and Ecology of Coilodes castanea (Coleoptera:Scarabaeidae:Hybosorinae). Coleopt. Bull. 37(3):247-253.
- Endrodi, S. 1983. Drei neue Aphodius-Arten aus der palaerktischen Region (Coleoptera, Scarabaeidae, Aphodiinae). Reichenbachia 21(17):111-115.
- Endrodi, S. 1983. Uber Heteronychus parvus BURM. (Coleoptera, Scarabaeidae, Dynastinae). Reichenbachia 21(19):119-122.