

CURCULIO

A NEWSLETTER DEVOTED TO DISSEMINATION OF
KNOWLEDGE ABOUT CURCULIONOIDEA

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EDITED BY
ROBERT S. ANDERSON



Miguel Alonso-Zarazaga and team from the Madrid Museum

Left to right: Manual Sanchez-Ruiz, Ines Alvarez, Antonio Sanchez-Ruiz, Julio Collado,
Miguel A. Alonso-Zarazaga, M. Prado Ingelmo

RESEARCH ACTIVITIES AND INTERESTS

Alziar, Gabriel. **Muséum d'Histoire Naturelle, F-06300, Nice, France.** Interested in Curculionidae from the Mediterranean area. Presently working on Curculionidae from Cyprus. Plans to revise Strophomorpus.

Basset, Yves. **Christensen Research Institute, P.O. Box 305, Madang, Papua New Guinea.** Interested in ecology of arboreal arthropods, including weevils, with special emphasis on diversity and host specificity. Presently working on the ecology of chewing insects associated with the fifteen species of Ficus in the Madang area.

Bayer, Christoph. **Lübeckerstr. 12, 10559 Berlin, Germany.** Generally interested in ontogeny and host plant relationships of weevils. Currently working on lists of endangered species of several subregions of Germany, ontogeny of Hypera-Donus, revision of Coniatus Germar (see requests for specimens). Plans to work on biological control of North American plants in Europe using weevils (see requests for information).

Braun, Walter. **Karl-Brennenstuhl-Str. 7, D-72074, Tübingen, Germany.** Currently working on revisions of various species groups of Otiorhynchus. Also working on a paper on new species of the genus Sphingorhinotus Voss from Pakistan and Kashmir.

Caldara, Roberto. **Piazza Bolivar 7, 20146, Milano, Italy.** Continuing work on Palearctic and Afrotropical Bagoini and Gymnetrini and Tychiini of the world.

Doug Caldwell, 1091 Brandywine Drive, Medina, OH. 44256. Interested in management of weevils that attack ornamental plants and trees.

Chown, Steven. **Department of Entomology, University of Pretoria, Pretoria 0002, South Africa.** Generally interested in phylogeny, ecology and ecophysiology of weevils. Specifically interested in ecophysiology of weevils from Marion Island and nutritional ecology of Hylastes angustatus.

Fabio, Talamelli. **via Della Resistenza, 38, 47048 San Giovanni in Marignano, Italia.** Faunistics and systematics of Curculionidae of the Palearctic Region. Interested especially in Cleoninae of the world. Plans to revise Lixini and some genera of Cleonini.

Furniss, Malcolm. **Division of Entomology, University of Idaho, Moscow, ID. 83844-2339.** Interested in all aspects of Scolytidae, especially relationships of bark beetles and pathogenic fungi carried by them to host trees, and the biology and distribution of unstudied species. Presently completing a comparative biosystematic study of Dendroctonus punctatus LeConte and D. micans (Kug.). Urgently needs Asian specimens of Dendroctonus micans (Siberia, Japan, China) on loan or in exchange for North American Curculionoidea. Also studying Dryocoetes betulae (Mann.) in *Salix* spp. in Alaska.

Hamilton, Robert W. **Department of Biology, Loyola University of Chicago, 6525 North Sheridan Road, Chicago, IL. 60626.** Generally interested in Nemonychidae, Rhynchitidae and Attelabidae. Currently revising the species of the New World Pterocolinae. Plans to continue revising New World genera of Attelabinae.

Hidayat, Purnama. **Department of Entomology, University of Wisconsin-Madison, Madison, WI. 53705.** Interested in the systematics, biogeography and ecology of

Sitophilus. Working on molecular markers and morphometry of Sitophilus oryzae and S. zeamais. Study of genetic variation and population genetics of Sitophilus.

Hsu, I-Shin. 647 Emerald Street, Apt. C-13, Iowa City, IA. 52246. Interested in Rhynchaeninae, Tychiinae (Endaenini) and Attelabinae of Taiwan.

Jones, Robert W. Centro de Investigaciones Ecológicas del Sureste, A.P. 63, San Cristóbal de las Casas, C.P. 29200, Chiapas, Mexico. Generally interested in ecology and systematics of weevil - host plant associations and biogeography of Mesoamerica. Presently working on establishing and maintaining the insect collection at CIES, host plant associations and systematics of the Anthonomus grandis species complex, and insects associated with conifers and cycads in Chiapas. Plans to work on insects associated with epiphytes in Mexican highlands and on Anthonomus associated with Solanaceae in southern Mexico.

Kelley, Scott. EPO Biology, Campus Box 334, University of Colorado, Boulder, CO 80309, USA. E-mail: kelleys@horton.colorado.edu
Interested in the systematics, evolution and ecology of bark beetles (Scolytidae) in the genus Dendroctonus. Pursuing thesis work on the molecular and morphological systematics of the genus with plans to pursue population level questions using a phylogeny estimate. Planning to address questions of rate of change in host affiliations and diet breadth, and questions regarding speciation. Has material and sequence for 7 species but needs frozen or ethanol preserved material for the rest of the genus (see Requests for Specimens). Also engaged in curating the Coleoptera, particularly the Curculionoidea at the University collections.

Langor, David. Canadian Forest Service, Northern Forestry Center, 5320 - 122 St., Edmonton, AB. T6H 3S5, Canada. Interested in systematics, ecology and management of Pissodes and all bark beetles. Currently working on a taxonomic revision of the genus Pissodes, mtDNA variation in the Pissodes strobi species group, descriptions of new Pissodes from China, phenology and life tables for Pissodes terminalis. Plans to develop life tables for Pissodes strobi in the prairie provinces of Canada.

Mestre, Jacques. Cirad-Flohr, Station de Neufchateau, Sainte-Marie, 97130, Capesterre Belle Eau, Guadeloupe. Interested in pests of bananas, including Cosmopolites sordidus in Guadeloupe.

Morris, Mike. Orchard House, 7 Clarence Road, Dorchester, Dorset DT1 2HF, England. Retired from Furzebrook Research Station and Institute of Terrestrial Ecology at the end of April 1994. Generally interested in weevils of Europe, especially the British Isles. Currently working on a handbook of British weevils in the subfamilies Cleoninae to Eirrhinae. His handbook on British Adelognatha is in press. Plans to continue publication of the handbook series. Our condolences to Mike, whose wife passed away on December 6, 1994 after a lengthy illness.

Pajni, H.R. Department of Zoology, Panjab University, Chandigarh - 160014, India. Interested in taxonomy, ecology and biology of Indian Curculionidae. Currently working on biology of pest species and taxonomy of Zygodinae and Apoderinae.

Read, R.W.J. 43 Holly Terrace, Hensingham, Whitehaven, Cumbria CA28 8RF, England. Interested in biology, ecology and distribution of British Curculionoidea with special interest in the weevil fauna of West Cumbria. Presently mapping the distribution of

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all Curculionoidea species in the county of Cumbria - 286 species; also surveying the weevil fauna of some nature reserves in the Cumbria region.

Takenouchi, Y. Biological Laboratory, Sapporo College, Hokkaido University of Education, 3-1-5, 330 Ainosato, Sapporo, 002, Japan. Interested in phylogeny and evolution of parthogenetic Curculionidae.

van den Berg, C. Hoge Geeren 68, 3828 TJ Hoogland, The Netherlands. Interested in obtaining Holarctic Smicronyx and Sibinia specimens, especially from the U.S. and Canada. Will exchange for any Curculionidae from Europe. In 1995 will start to work on Hypurini and Scleropterini (Ceutorhynchinae) and is looking for data and specimens.

Velazquez de Castro, Antonio J. Departamento Biología Animal (Entomología), Facultad de Biología, Universidad Complutense, 28040 Madrid, Spain. Interested in morphology and taxonomy of short-nosed weevils, mainly Sitonini. Presently undertaking cladistic and phenetic studies of Sitonini.

Wanat, Marek. Museum of Natural History, Sienkiewicza 21, PL - 50-335, Wrocław, Poland. Interested in taxonomy of world Apionidae and systematics and faunistics of Palearctic Curculionidae (s.l.) A comprehensive faunistic paper on the weevil fauna of the Bialowieza Primeval Forest (454 spp.) is in press in *Polskie Pismo Entomologiczne*. The paper "Systematics and Phylogeny of the tribe Ceratapiini (Coleoptera: Apionidae)" will appear in the beginning of 1995 in *Genus*, Supplement. Descriptions of several dozen of new Oriental and Palearctic apionid taxa, as well as revisions of African Allotríchapion, Caenapion and Afrothymapion are in preparation. Has started working on a monograph of the Apionidae of New Guinea, New Caledonia and adjacent islands.

Winkelmann, Herbert. Schloss - Str. 32, D-14059, Berlin, Germany. Interested in taxonomy and biology of all Curculionidae. Currently working on revisions of the Hypera elongatus - graeseri group, Hypera rumicis - adpsersa group, and Donus from Turkey, India and China.

REQUESTS FOR SPECIMENS

Bayer, Christoph. Lübeckerstr. 12, 10559 Berlin, Germany. Requests specimens of the genus Coniatus Germar on loan for revisionary study.

Furniss, Malcolm. Division of Entomology, University of Idaho, Moscow, ID. 83844-2339. Urgently needs Asian specimens of Dendroctonus micans (Siberia, Japan, China) on loan or in exchange for North American Curculionoidea.

Kelley, Scott. Dept. EPO Biology, CB 334, University of Colorado, Boulder, CO 80309. E-mail: kelleys@horton.colorado.edu.

In my thesis work, I am pursuing the phylogenetic systematics of bark beetles in the genus Dendroctonus. I am using molecular tools, PCR assisted DNA sequencing, to assess the relationships among the various species. So far I have collected 9 species, 7 of which have provided sequence, but I need specimens of the rest to complete the analysis. The beetles which prove particularly difficult for me to collect are the European species Dendroctonus micans (Spruce), the Mexican and Central American species D. vitei (Pinus pseudostrobus, P. tenuifolia), D. parallellocollis (Pinus leiophylla, P. oocarpa) and D. mexicanus, and the Chinese species Dendroctonus armandi (Pinus armandi).

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For the purposes of PCR and DNA sequencing, I have found that fresh material is best, especially frozen, live, or recently preserved in 70-100% ethanol (kept in the fridge if in ethanol). I have been able to extract DNA from some older ethanol preserved material and will surely accept any such material if available, but I find that DNA tends to degrade in ethanol after a few years. I am also interested in procuring the following species as well: Dendroctonus valens (mostly pines), D. adjunctus (pines), D. punctatus (spruce), D. simplex (in larch), D. murrayanae (felled lodgepole pine) and D. pseudotsugae (Douglas-fir). Of course I will happily accept any species of Dendroctonus for acquiring multiple populations on which to build a stronger phylogeny estimate. If you have any information about locales of any of these species (outbreaks), personnel who may assist me in my collections and material that you might send, please let me know. I should be able to collect Dendroctonus ponderosae, D. rufipennis and Ips next summer for possible trade. Finally, as an RA in the museum, I will be able to assist with trades of curculionids in our modest but steadily growing collection.

Langor, David. Canadian Forest Service, Northern Forestry Center, 5320 - 122 St., Edmonton, AB. T6H 3S5, Canada. Requests live and dead Pissodes specimens from anywhere. Will arrange for proper import permits for living material.

Pelletier, Jean. 5 Rue de la saulaie, 37380 Monnaie, France. Following revision of the genus Strophosoma and that of Caulostrophus, I would like to continue the revision of Strophosomatini with the study of the next three, small, closely related genera: Dactylotus Schönherr, Blosyrus Schönherr and Blosyrodes Jekel. I would be grateful to any colleague able to provide me with specimens belonging to these groups (loan or exchange) along with all available data.

Wanat, Marek. Museum of Natural History, Sienkiewicza 21, PL - 50-335, Wrocław, Poland. Requests loan of any Apionidae (except Nanophyinae) from Indonesia, New Guinea, Bismarck Archipelago, Solomon Islands, New Hebrides, New Caledonia, Fiji, Samoa and Micronesia.

REQUESTS FOR INFORMATION

Bayer, Christoph. Lübeckerstr. 12, 10559 Berlin, Germany. Requests information about weevils which develop in the following plants in North America: Solidago canadensis, Solidago gigantea, Conyra canadensis, Robinia pseudoacacia and Prunus serotina. Interested in these weevil species as biocontrol agents.

Beaver, Roger. 161/2 Mu 5, Soi Wat Pranon, T. Donkaew, A. Maerim, Chiangmai, Thailand 50180. Is anyone willing to help me settle the problem of the male of Ozopemon (Scolytidae)? Browne (1959. Malay. Forester 22: 292) described a strange larviform creature which he believed to be the male of Ozopemon brownei Schedl. However, Crowson (1974. J. Ent. (B) 42: 133) considered it to be a histerid and not a scolytid, and his opinion has been generally accepted. I have some specimens which agree with Browne's description of the supposed male of O. brownei, and were associated with females of that species. Any doubt about the association could probably be resolved by some sort of enzyme or DNA analysis, but I lack the facilities to do this, and have only limited private funding available for the work. If you are interested in collaborating on this project, please let me know.

NEW ADDRESSES

Yves Basset,
Christensen Research Institute,
P.O. Box 305, Madang,
Papua New Guinea.

Doug Caldwell,
1091 Brandywine Drive,
Medina, OH. 44256

WEEVIL MEETING IN DALLAS, TEXAS

Weevil workers attending the Annual Meeting of the Entomological Society of America met informally on December 15, 1994 in the quiet splendor of a large suite - thanks to booking problems at the convention hotel. Present were Don Bright, Horace Burke, Robert Hamilton, Henry Hespeneheide, Anne Howden, Charlie O'Brien, Elbert Sleeper and Barry Valentine. We discussed our individual activities and subjects of common interest. In the absence of Bob Anderson, Anne Howden reported on several conversations with Tom Henry and Al Wheeler, Editor and Special Publications Editor, respectively, of the Entomological Society of Washington, concerning the progress of the memoir of the weevil papers presented at the 1988 International Congress of Entomology in Vancouver. All authors corrections have been made to the proofs and the only work remaining is to correct formatting errors. The editors hope to soon have the final proofs in the mail to Bob Anderson. After this, it should be a very short time until the memoir is published. We all look forward to seeing it in print.

Anne T. Howden

RECENT PUBLICATIONS ON CURCULIONOIDEA

- Anderson, R.S. and A.T. Howden. 1994. Tychius meliloti Stephens new to Canada with a brief review of the species of Tychius Germar introduced into North America (Coleoptera: Curculionidae). The Canadian Entomologist 126: 1363-1368.
- Anderson, R.S. 1994. Rhyssomatus beutenmuelleri Van Dyke, a new synonym of Eubulus parochus Herbst (Coleoptera: Curculionidae: Curculioninae: Molytini). The Coleopterists Bulletin 48: 318.
- Askevold, I.S., C.W. O'Brien and K. Morimoto. 1994. Systematics and evolution of weevils of the genus Bagous Germar (Coleoptera: Curculionidae) III. Phylogenetic analysis of the species of Japan. Esakia 34: 75-129.
- Atkinson, T.H. 1993. A new species of Pityophthorus Eichhoff (Coleoptera: Scolytidae) from southern Florida with a key to the Florida species. Florida Entomologist 76: 608-616.
- Atkinson, T.H. and S.B. Peck. 1994. Annotated checklist of the bark and ambrosia beetles (Coleoptera: Paltpodidae and Scolytidae) of tropical southern Florida. Florida Entomologist 77: 313-329.

- Alonso-Zarazaga, M.A. 1993. Eutrichapion (Eutrichapion) mystriophorum sp.n. of Iberian Apionidae (Coleoptera: Curculionoidea). *Elytron* 7: 71-79.
- Basset, Y., N.D. Springate and G.A. Samuelson. 1994. Feeding habits and range of body size: a case study in Papua New Guinea using arboreal leaf-beetles and weevils (Coleoptera: Chrysomelidae, Curculionidae). *Bulletin de la Société Entomologique Suisse* 67: 347-361.
- Braun, W. and L. Behne. 1994. Neue Arten der Gattung Lathrotiorhynchus Voss aus Pakistan (Insecta: Coleoptera: Curculionidae: Otiorhynchinae). *Reichenbachia* 30: 153-161.
- Caldara, R. 1993. Addition to the revision of the Afrotropical Sibinia with descriptions of seven new species. *J. It. Entomol.* 6:407-415.
- Charlet, L.D. and G.J. Seiler. 1994. Sunflower seed weeds (Coleoptera: Curculionidae) and their parasitoids from native sunflowers (Helianthus) in the northern Great Plains. *Annals of the Entomological Society of America* 87: 831-835.
- Chown, S.L. and G. Kuschel. 1994. New Bothrometopus species from Possession Island, Crozet Archipelago, with nomenclatural amendments and a key to its weevil fauna (Coleoptera: Curculionidae: Brachycerinae). *African Entomology* 2: 149-154.
- Clark, W.E. 1993. The Anthonomus monostigma species group (Coleoptera: Curculionidae). *Transactions of the American Entomological Society* 119: 231-245.
- Clark, W.E. 1993. The Anthonomus ourateae, A. planipennis and A. albocivitis species groups, and new species in the A. rubiginosus and A. partiaris groups (Coleoptera: Curculionidae). *Transactions of the American Entomological Society* 119: 247-269.
- Colonelli, E. 1991. Note sui curculionidi della Riserva Naturale "Bosco Pantano" (Basilicata) e descrizione di un nuovo Bothynoderes (Coleoptera, Curculionidae). *Bollettino dell'Associazione Romana di Entomologia* 45:89-113.
- Colonelli, E. 1992. Additional note to the Ceutorhynchinae of the Canaries (Coleoptera, Curculionidae). *Vieraea* 21: 159-165.
- Colonelli, E. 1992. Due nuove specie Italiane di Ceutorhynchus Germar (Coleoptera, Curculionidae). *Boll. Soc. ent. ital., Genova* 123: 227-233.
- Colonelli, E. 1993. The Ceutorhynchinae types of I.C. Fabricius and G. von Paykull (Coleoptera: Curculionidae). *Koleopterologische Rundschau* 63: 299-310.
- Colonelli, E. 1993. On the genus Dieckmannius Colonelli, 1987 (Coleoptera, Curculionidae). *Entomologica Basiliensia* 16: 385-391.
- Erasmus, M.J. and S.L. Chown. 1994. Host localtion and aggregation behaviour in Hylastes angustatus (Herbst) (Coleoptera: Scolytidae). *African Entomology* 2: 7-11.
- Fowles, A.P. and M.G. Morris. 1994. Apion (Helianthemapion) aciculare Germar (Col., Apionidae), a weevil new to Britain. *Entomologist's Monthly Magazine* 130: 177-181.
- Hamilton, R.W. 1994. New life cycle data for two western North American weevils (Coleoptera: Rhynchitidae), with a summary of North American rhynchitid biology. *The Coleopterists Bulletin* 48: 331-343.
- Hamilton, R.W. 1994. Revision of the New World genus Pilolabus Jekel (Coleoptera: Attelabidae). *Transactions of the American Entomological Society* 120: 369-411.
- Hawkeswood, T.J., J.R. Turner and M. LeBreton. 1994. The biology and host plants of the Australian weevil Rhinotia haemoptera (Kirby). *Spixiana* 17: 237-245.
- Kuschel, G., R.G. Oberprieler and R.J. Rayner. 1994. Cretaceous weevils from southern Africa, with description of a new genus and species and phylogenetic and zoogeographical comments (Coleoptera: Curculionoidea). *Entomologica Scandinavica* 25: 137-149.

- Lacerda Moura, J.I., D. Mariau and J.H.C. Delabie. 1994. Control strategy against Amerrhinus ynca Sahlb. 1823 (Coleoptera: Curculionidae), coconut leaf rachis borer in Brazil. *Oléagineux* 49: 221-226.
- Lanteri, A.A. 1993. La partenogenesis geografica y la sinonimia de Asynonychus cervinus (Boheman) y A. godmanni Crotch (Coleoptera: Curculionidae). *Rev. Soc. Entomol. Argent.* 52: 100.
- Lanteri, A.A. and N.B. Diaz. 1994. Systematic study and cladistic analysis of the genus Aramigus Horn (Coleoptera: Curculionidae). *Transactions of the American Entomological Society* 120: 113-144.
- Lanteri, A.A. [Ed.]. 1994. Bases para el control integrado de los gorgojos de la alfalfa. De la Campana, La Plata, Argentina. viii + 119 pp.
- Maltzeff, P. and E. Colonelli. 1993. Gonipterus scutellatus Gyllenhal nel Lazio. *Bollettino dell'Associazione Romana di Entomologia* 48: 103-105.
- Marvaldi, A. E. and M.S. Loíacono. First instar larvae in the tribe Naupastini (Coleoptera: Curculionidae). *Revista Bras. Ent.* 38: 453-466.
- Mazur, M. and M. Wanat. 1994. The weevils (Coleoptera: Attelabidae, Apionidae, Curculionidae) of some nature reserves of xerothermic vegetation in the Nida Syncline. *Zeszyty Naukowe Uniwersytetu Jagiellonskiego, Prace Zoologiczne* MCXXIX: 89-109.
- Morris, M.G. 1993. Some species of weevils recorded erroneously from Ireland, and others whose status requires confirmation (Coleoptera: Curculionoidea). *Irish Naturalists Journal* 24: 324-328.
- Morrone, J.J. 1994. Systematics, cladistics and biogeography of the Andean weevil genera Macrostyphlus, Adioristidius, Puranius, and Amathynetoides, new genus (Coleoptera: Curculionidae). *American Museum Novitates* 3104: 63 pp.
- Morrone, J.J. 1994. Nomenclatural changes in Patagonian Belidae and Curculionidae (Coleoptera: Curculionoidea). *Neotrópica* 40: 95.
- Morrone, J.J. and M.S. Loiacono. 1994. Los ejemplares tipo de Curculionidae sensu lato (Coleoptera: Curculionoidea) depositados en la coleccion del Museo de La Plata. Universidad Nacional de La Plata Facultad de Ciencias Naturales y Museo, Serie Tecnica y Didactica, No. 19. 41 pp.
- Nanda, N. and H.R. Pajni. 1991. Some aspects of the biology of Barioscapus cordiae (Mshl.) (Coleoptera: Curculionidae). *Ann. Entomol.* 9: 91-94.
- O'Brien, C.W. 1994. Two new species in the Cholus spinipes Group (Cholini, Curculioninae, Curculionidae). *Transactions of the American Entomological Society* 120: 412-421.
- O'Brien, C.W. , I.S. Askevold and K. Morimoto. 1994. Systematics and evolution of weevils of the genus Bagous Germar (Coleoptera: Curculionidae) II. Taxonomic treatment of the species of Japan. *Esakia* 34: 1-74.
- Pakaluk, J. 1993. Review of the immature stages of Baridinae I: Nertinini (Coleoptera: Curculionidae). *Elytron* 7: 165-170.
- Pelletier, J. 1993. Strophosoma (Neliocarus) gonzalezi sp. n. et remarques sur le groupe de S. faber (Herbst, 1785) (Col., Curculionidae). *EOS* 69: 101-104.
- Purcell, M.F. and J.K. Balciunas. 1994. Life history and distribution of the Australian weevil Oxyops vitiosa (Coleoptera: Curculionidae), a potential biological control agent for Melaleuca quinquenervia (Myrtaceae). *Annals of the Entomological Society of America* 87: 867-873.
- Salom, S.M., J.A. Carlson, B.N. Ang, D.M. Grosman and E.R. Day. 1994. Laboratory evaluation of biologically-based compounds as antifeedants for the pales weevil, Hylobius pales (Herbst) (Coleoptera: Curculionidae). *Journal of Entomological Science* 29: 407-419.

- Sanchez-Ruiz, M. and M.A. Alonzo-Zarazaga. 1994. Revision of the genus Aspidiotes Schönherr (Coleoptera: Curculionidae, Tanymecini). *Entomologica Scandinavica* 25: 275-294.
- Shobha, A. 1994. Ovariole number and its taxonomic significance in the family Curculionidae (Curculionidae: Coleoptera). *Uttar Pradesh J. Zool.* 14: 17-24.
- Shobha, A. and H.R. Pajni. 1994. Comments on the structure of seminal vesicle and its relationship with the accessory glands in the family Curculionidae. *Geobios* 13:113-118.
- Sprick, P. and H. Winkelmann. 1993. Bewertungsschema zur Eignung einer Insektengruppe (Rüsselkäfer) als Biodeskriptor (Indikator, Zielgruppe) für Landschaftsbewertung und UVP in Deutschland. *Insecta, Berlin* 1: 155-160.
- Stachowiak, P. 1994. Ryjkowce Anthribidae, Attelabidae, Apionidae, Curculionidae - Coleoptera Bieszczadów. *Parki Narodowe i Rezerwaty Przyrody* 13: 5-24.
- Stachowiak, P. 1994. Ryjkowce Anthribidae, Attelabidae, Apionidae, Curculionidae - Coleoptera zbiorowisk roslinnych lesno-stepowego rezerwatu w Bielinku nad Odra. *Parki Narodowe i Rezerwaty Przyrody* 13: 25-46.
- Strejcek, J. and B. Cocev. 1994. Urodon angelovi spec. nov. aus Bulgarien (Insecta: Coleoptera: Curculionoidea: Urodontidae). *Reichenbachia* 30: 149-153.
- Velazquez de Castro, A.J. and Martin, C. 1992. Sand dune and salt marsh weevils of south-east Spain (Coleoptera, Curculionidae). *Proceedings of the 4th. ECE/XII SIEEC, Gödöllo 1991*: 231-236.
- Wanat, M. 1993. New localities of interesting weevil species (Coleoptera, Curculionidae) in Poland. *Wiad. Entomol.* 12: 31-36.
- Winkelmann, H. and C. Bayer. 1993. Bemerkenswerte und neue Rüsselkäkerfunde (Coleoptera, Curculionidae) aus Berlin und Brandenburg. *Insecta, Berlin* 1: 177-183.

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