Contents

- Same-sex sexual behavior in *Xenogryllus marmoratus* (Haan, 1844) (Grylloidea: Gryllidae: Eneopterinae): Observation in the wild from YouTube

 Paola Olivero, Tony Robillard
- Grasshopper species composition shifts following a severe rangeland grasshopper outbreak

 David H. Branson
- Phylogenetic relationship of Japanese Podismini species (Orthoptera: Acrididae: Melanoplinae) inferred from a partial sequence of cytochrome c oxidase subunit I gene

 Beata Grzywacz, Haruki Tatsuta
- Phenotypic plasticity in color without molt in adult grasshoppers of the genus Sphingonotus (Acrididae: Oedipodinae)

 Juan R. Peralta-Rincon, Graciela Escudero, Pim Edelaar
- 29 Effects of different mowing regimes on orthopterans of Central-European mesic hay meadows

 Zoltán Kenyeres, István Szentirmai
- The genus Ectadia (Orthoptera: Phaneropteridae: Phaneropterinae) in East Asia: description of a new species, comparison of its complex song and duetting behavior with that of E. fulva and notes on the biology of E. fulva Klaus-Gerhard Heller, Sigfrid Ingrisch, Elżbieta Warchałowska-Śliwa, Chunxiang Liu
- New distribution records of Orthoptera of Greece Sotiris Alexiou
- Adapting the Dragonfly Biotic Index to a katydid (Tettigoniidae) rapid assessment technique: case study of a biodiversity hotspot, the Cape Floristic Region, South Africa Aileen C. Thompson, Corinna S. Bazelet, Piotr Naskrecki, Michael J. Samways
- Ground dwelling pygmy grasshoppers (Orthoptera: Tetrigidae) in Southeast Asian tropical freshwater swamp forest prefer wet microhabitats

 Ming Kai Tan, Huiqing Yeo, Wei Song Hwang
- http://jor.pensoft.net

J

A peer-reviewed open-access journal

Journal of Orthoptera Research



> PENSOFT

26(1) \$ 2017

http://jor.pensoft.net

Instructions for submission of manuscripts

The JOURNAL OF ORTHOPTERA RESEARCH invites manuscripts describing original biological research dealing with insects in the order Orthoptera and its close allies: Blattodea, Mantodea, Phasmatodea, Grylloblattodea, Mantophasmatodea and Dermaptera. Articles may focus on a wide range of fields including genetics, cytology, grasshopper control, morphology, physiology, parasitology, endocrinology, behavior, ecology, systematics, biogeography and taxonomy.

Criteria for acceptance:

- All papers: coherence, interest, insight, novelty, accuracy, new information or new association of old information, appropriate experimental design and statistical treatment, clarity of exposition.
- Taxonomic papers: priority is given to comprehensive and synthetic revisions and to papers incorporating problems of broader biological interest. The use of modern methods (e.g. cladistics, or some other taxonomic philosophy) is encouraged, as are tabulations and illustrations of diagnostic features of the described taxon and comparison with close relatives within the higher taxon.

Language: English papers, edited by a native English speaker, are preferred.

Reviewers: on submission, please use 'Comments to the Editor' to list at least three suggested reviewers with their contact information.

Manuscript submission: Submission of manuscripts to this journal is possible only through the online submission module: https://jor.pensoft.net. We kindly request authors to consult the Focus and Scope section prior to submission. In order to submit a manuscript to the journal, authors are required to register with the journal and/or to login. Once logged in, you will find the online submission system either by clicking the "Submit a manuscript" button.

The manuscript submission process is separated into the following steps:

Step 1: Specifying the manuscript type and completing the submission checklist

Step 2: Specifying the author(s) names, contact information, title, abstract, keywords, and other metadata

Step 3: Uploading the submission file (see below for details on how to prepare it)

Step 4: Uploading additional and supplementary files (see below for details) and associated metadata

Step 5: Final verification of the submitted files and confirmation.

Formatting:

- Use a standard sequence of manuscript parts with single-spaced, 12-point font, laid out as a normal document in a single column.
- · Follow the style of recent JOR issues, employing a hierarchy of nested headings at a single font size. Please avoid more than three levels of headings.
- Page 1: Title, Author(s), Institution, Key words (words listed in the title should not be duplicated in the key words); Page 2: Abstract (maximum of 300 words). From page 3 onwards it is not necessary to begin each section on a new page, but sections should have the following headings, and should appear in the following order: Introduction, Methods (can be Materials and Methods), Results, Discussion (or Results and Discussion together as one section, if more appropriate), Acknowledgements, References. Figure captions, tables with captions, and figures should follow the References section, in that order, and each should appear on a separate page, NOT embedded in the body of the manuscript. Alternatively, figures and tables can be uploaded separately as supplementary files.
- Number pages and lines to facilitate review and consider including map figures in any manuscripts which contain region-specific subject matter.
- Locality information indicating current species distribution should use current place names and be as specific as possible, including the following information: country, province/state, region/county, city, and GPS coordinates.

Nomenclature:

- Higher taxon classifications in parentheses should be separated by colons, not commas; e.g. (Orthoptera: Acrididae)
- Title: When the manuscript details a particular species, refer to the species by its common name followed by full genus and species names (excluding author) and higher taxon classification in parentheses; e.g. Specificity and developmental changes in hemagglutinating activity of serum of the desert locust, Schistocerca gregaria (Orthoptera: Acrididae)
- Abstract: At the first instance of an insect name, write genus and species in full, excluding author and higher taxon classifications (e.g. Schistocerca gregaria). In subsequent appearances, abbreviate genus and spell out species (e.g. S. gregaria). Use common name preferentially rather than scientific name, if possible, throughout.
- Text: At the first instance of an insect name, write genus and species in full, author and higher taxon classifications [e.g. Schistocerca gregaria (Forskål) (Orthoptera: Acrididae: Cyrtacanthacridinae)]. In subsequent appearances, abbreviate genus and spell out species (e.g. S. gregaria), exclude all other information. Use common name preferentially rather than scientific name, if possible, throughout.

References in text: Last names of authors followed by year are given in parentheses, or if the author's name is integrated in the sentence, the year alone follows within parentheses. Where several citations ('author + year' or 'years' alone) occur within the same parentheses, each is separated by a comma and citations should appear in chronological order from earliest to most recent. Citation groupings of same-author multiple-year publications are separated by a comma. In the case of papers authored by two authors, author surnames are separated with 'and'; for citations of 3 or more authors, give only the first author followed by 'et al.' in regular.

(Joern and Gaines 1990, Chapman et al. 2011, 2013) (Bob 2000a, b)

References listed: list all references alphabetically by first author's last name. Last name always precedes initials and no comma intervenes. It is important to format the references properly, because all references will be linked electronically as completely as possible to the papers cited. It is desirable to add a DOI (digital object identifier) number for either the full-text or title and abstract of the article as an addition to traditional volume and page numbers. If a DOI is lacking, it is recommended to add a link to any online source of an article.

Polaszek A, Alonso-Zarazaga M, Bouchet P, Brothers DJ, Evenhuis NL, Krell FT, Lyal CHC, Minelli A, Pyle RL, Robinson N, Thompson FC, van Tol J (2005) ZooBank: the open-access register for zoological taxonomy: Technical Discussion Paper. Bulletin of Zoological Nomenclature 62: 210–220.

Mallet J, Willmott K (2002) Taxonomy: renaissance or Tower of Babel? Trends in Ecology and Evolution 18 (2): 57-59. doi: 10.1016/S0169-5347(02)00061-7.

Orr AG (2006) Odonata in Bornean tropical rain forest formations: Diversity, endemicity and applications for conservation management. In: Cordero Rivera A (Ed) Forest and Dragonflies. Fourth WDA International Symposium of Odonatology, Pontevedra (Spain), July 2005. Pensoft Publishers, Sofia-Moscow, 51–78.

Mayr E (2000) The biological species concept. In: Wheeler QD, Meier R (Eds) Species Concepts and Phylogenetic Theory: A Debate. Columbia University Press, New York, 17–29.

Gouix N, Klimaszewski J (2007) Catalogue of Aleocharine Rove Beetles of Canada and Alaska. Pensoft Publishers, Sofia-Moscow, 166 pp.

International Commission on Zoological Nomenclature (1999) International code of zoological nomenclature. Fourth Edition. London: The International Trust for Zoological No-menclature.

Providing accession numbers to data records stored in global data aggregators allows us to link your article to established databases, thus integrating it with a broader collection of scientific information. Please hyperlink all accession numbers through the text or list them directly after the References in the online submission manuscript.

All journal titles should be spelled out completely and should NOT be italicized.

Following acceptance: Figures and illustrations are accepted in the following image file formats: EPS (preferred format for diagrams), TIFF (at least 300dpi resolution, with LZW compression). Tables: Each table should be numbered in sequence using Arabic numerals (i.e. Table 1, 2, 3 etc.). Larger datasets can be uploaded separately as Supplementary Files. Tabular data provided as supplementary files can be uploaded as an Excel spreadsheet (.xls), as an OpenOffice spreadsheets (.ods) or comma separated values file (.csv). As with all uploaded files, please use the standard file extensions.

Article processing charges are as follows: No charge to members of the Orthopterists' Society; \$15 per page for non-members. To join the Orthopterists' Society, please contact Dr. David Hunter, executive director of the Orthopterists' Society, davidmhunter100@gmail.com or apply online. Authors retain copyright.

OFFICERS OF THE ORTHOPTERISTS' SOCIETY

President Alexandre Latchininsky, Department of Ecosystem Science and Management, University of Wyoming, Laramie, WY 82071-2000, USA. >latchini@uwyo.edu<

President-elect David Hunter, Locust and Grasshopper Control, 125 William Webb Drive, McKellar, ACT 2617, Australia. >davidmhunter100@gmail.com<

Executive Director David Hunter, Locust and Grasshopper Control, 125 William Webb Drive, McKellar, ACT 2617, Australia. >davidmhunter100@gmail.com<

Treasurer Pamm Mihm, 2417 Fields South Drive, Champaign, IL 61822, USA. >p.mihm@regencyapartments.com<

Manager Society Website Piotr Naskrecki, Museum of Comparative Zoology, Harvard University, 26 Oxford Street, Cambridge, MA 02138, USA. >pnaskrecki@oeb.harvard.edu<

Editor Metaleptea Hojun Song, Department of Entomology, Texas A&M University, College Station, TX 77843-2475, USA. >hsong@tamu.edu<

Associate Editor Metaleptea Derek A. Woller, USDA: APHIS, PPQ, CPHST-Phoenix Lab, Phoenix, AZ 85040, USA, >Derek.A.Woller@aphis.usda.gov<"

Managing Editor Journal of Orthoptera Research Corinna S. Bazelet, Department of Conservation Ecology and Entomology, Stellenbosch University, Stellenbosch 7602, South Africa. >cbazelet@sun.ac.za<

JOR Editorial Assistant Nancy Morris >jor.utm@utoronto.ca<

SOCIETY MEMBERSHIP

Membership is open to all persons with an interest in orthopteroids. Annual dues are US\$25 for regular or institutional members and US\$10 for students or concessional members from developing countries. Join online at the society website >http://140.247.96.247/orthsoc/<. A subscription to the newsletter Metaleptea comes with membership, other publications are in addition to dues. The Society offers sponsored memberships and subscriptions for those whose funds are limited.

JOURNAL OF ORTHOPTERA RESEARCH

Title: Journal of Orthoptera Research, abbreviated J. Orthopt. Res.; ISSN: 1082-6467; publication date this issue June 2017. Frequency of issue: two times a year. Publisher: PenSoft on behalf of Orthopterists' Society. All journal subscriptions individual and institutional, are US\$35 per year. Back issues of the printed journal are available; please contact the Executive Director; cost: US\$15 for each issue; shipping charges additional.

EDITORIAL BOARD

Rohini Balakrishnan, Centre for Ecological Sciences, Indian Institute of Science, Bangalore, India 560012. Ludivina Barrientos-Lozano, Instituto Tecnologico de Cd. Victoria. Blvd. Emilio Portes Gil No. 1301. Cd. Victoria, Tam. Mexico 87010. Juliana Chamorro, Universidade Federal de Viçosa, Viçosa, Minas Gerais, Brazil. María-Marta Cigliano, Division Entomologia, Museo de la Plata, Paseo del Bosque S/N, 1900 La Plata, Argentina. Klaus-Gerhard Heller, Grillenstieg 18, D-39120 Magdeburg, Germany. Kevin A. Judge, Biological Sciences, MacEwan University, Edmonton, Alberta, T5J 4S2, Canada. Michel Lecoq, CIRAD, Locust Ecology and Control, TA40/D, Campus International de Baillarguet, 34398 Montpellier, Cedex 5, France. Glenn K. Morris, University of Toronto Mississauga, Miss. ON, L5L1C6, Canada. Daniel Petit, INRA-UMR 1061, Université de Limoges, France. C.H.F. Rowell, Zoologisches Institut der Universität Basel, Basel, Switzerland. Matan Shelomi, Department of Entomology, National Taiwan University, Taipei, Taiwan. Stephen Simpson, School of Biological Sciences, Charles Perkins Centre, University of Sydney, Sydney, Australia.

Front cover photo: *Ephippiger ephippiger ephippiger*, male, Macedonia, Mt. Pangeo,. [Article this issue, Alexiou, pp. 53–61.]