

CONTENTS
Journal of Arachnology

Volume 41

Number 3

Featured Articles

The systematics of the pseudoscorpion family Ideoroncidae (Pseudoscorpiones: Neobisioidea) in the New World
by **Mark S. Harvey & William B. Muchmore** 229

On the enigmatic genus *Philora*: familial assignment and taxonomic revision (Opiliones: Laniatores: Stygnopsidae)
by **Jesús A. Cruz-López & Oscar F. Francke** 291

Notes on some species of the genus *Melanopa* (Opiliones: Sclerosomatidae: Gagrellinae) from China, with
description of a new species
by **Chao Zhang & Feng Zhang** 306

Variation in the spiniform macrosetae pattern on the basitarsi of *Diplocentrus tehuacanus* (Scorpiones:
Diplocentridae): new characters to diagnose species within the genus
by **Carlos Eduardo Santibáñez-López, Oscar F. Francke B. & Alberto Ortega-Gutierrez** 319

Synonymy of four *Pardosa* species (Araneae: Lycosidae) undiagnosable without geography
by **Jozef Slowik & Derek S. Sikes** 327

New records of Pennsylvanian trigonotarbid arachnids from West Bohemia, Czech Republic
by **Ivana Hradská & Jason A. Dunlop** 335

Variation and possible function of egg sac coloration in spiders
by **Gilbert Barrantes, Luis Sandoval, Catalina Sánchez-Quirós, Pierre-Paul Bitton & Stéphanie M. Doucet** 342

No evidence for a relationship between hemolymph ecdysteroid levels and female reproductive behavior in
Schizocosa wolf spiders
by **Reed M. Stubbendieck, Anthony J. Zera & Eileen A. Hebets** 349

Richness and composition of spiders in urban green spaces in Toledo, Ohio
by **Leigh C. Moorhead & Stacy M. Philpott** 356

Diversity and ecology of spider assemblages of a Mediterranean wetland complex
by **Sascha Buchholz & Maria Schröder** 364

Love is in the air and on the ground: olfactory and tactile cues elicit visual courtship behavior by *Cyrba* males
(Araneae: Salticidae)
by **Ana M. Cerveira & Robert R. Jackson** 374

Predatory response to changes in camouflage in a sexually dimorphic jumping spider
by **Maciej Bartos, Katarzyna Szczepko & Marzena Stanska** 381

A glimpse into the sexual biology of the “zygiellid” spider genus *Leviellus*
by **Simona Kralj-Fišer, Matjaž Gregorič, Tjaša Lokovšek, Tatjana Čelik & Matjaž Kuntner** 387

Short Communications

Scavenging behavior in spitting spiders, *Scytodes* (Araneae: Scytodidae)
by **Richard S. Vetter** 392

Ant mimicry in the spider *Myrmecotypus iguazu* (Araneae: Corinnidae), with notes about myrmecomorphy in spiders
by **Gonzalo D. Rubio, Manuel O. Arbino & Paula E. Cushing** 395

Influence of prey availability on seasonal fluctuation in body condition in the wolf spider, *Pardosa milvina*
(Araneae: Lycosidae)
by **Jason M. Schmidt, James D. Harwood & Ann L. Rypstra** 400

Comparing ramp and pitfall traps for capturing wandering spiders
by **L. Brian Patrick & Ashton Hansen** 404

Aerial dispersal by *Actinopus* spiderlings (Araneae: Actinopodidae)
by **Nelson Ferretti, Gabriel Pompozzi, Sofia Copperi & Leonela Schwerdt** 407

Two new North American *Theridion* species (Araneae: Theridiidae)
by **Herbert W. Levi & L. Brian Patrick** 409

On the date and organ of publication for the endemic Galápagos scorpion *Centruroides exsul* (Scorpiones:
Buthidae) by Wilhelm Meise, with a revision of its distribution and type material
by **Markus Lambertz** 412

Homolophus bastawadei, a replacement name for the homonym *Euphalangium martensi* (Opiliones: Phalangiidae)
by **Wojciech Starega** 415

On *Speleosiro argasiformis*—a troglobitic Cyphophthalmi (Arachnida: Opiliones: Pettalidae) from Table Mountain,
South Africa
by **Gonzalo Giribet, Benjamin L. de Bivort, Anthony Hitchcock & Peter Swart** 416

A new species of *Protoschizomus* (Schizomida: Protoschizomidae) from a cave in Guerrero, Mexico
by **Rodrigo Monjaraz-Ruedas** 420

Instructions to Authors 425

Journal of ARACHNOLOGY

PUBLISHED BY THE AMERICAN ARACHNOLOGICAL SOCIETY

JOURNAL OF ARACHNOLOGY

2013

VOLUME 41, NUMBER 3



VOLUME 41

2013

NUMBER 3

THE JOURNAL OF ARACHNOLOGY

EDITOR-IN-CHIEF: **Robert B. Suter**, Vassar College

MANAGING EDITOR: **Douglass H. Morse**, Brown University

SUBJECT EDITORS: *Ecology*—**Stano Pekár**, Masaryk University; *Systematics*—**Mark Harvey**, Western Australian Museum and **Matjaž Kuntner**, Scientific Research Centre of the Slovenian Academy of Sciences and Arts; *Behavior*—**Elizabeth Jakob**, University of Massachusetts Amherst; *Morphology and Physiology*—**Jason Bond**, Auburn University

EDITORIAL BOARD: **Alan Cady**, Miami University (Ohio); **Jonathan Coddington**, Smithsonian Institution; **William Eberhard**, Universidad de Costa Rica; **Rosemary Gillespie**, University of California, Berkeley; **Charles Griswold**, California Academy of Sciences; **Marshal Hedin**, San Diego State University; **Marie Herberstein**, Macquarie University; **Yael Lubin**, Ben-Gurion University of the Negev; **Brent Opell**, Virginia Polytechnic Institute & State University; **Ann Rypstra**, Miami University (Ohio); **William Shear**, Hampden-Sydney College; **Jeffrey Shultz**, University of Maryland; **Petra Sierwald**, Field Museum; **Søren Toft**, Aarhus University; **I-Min Tso**, Tunghai University (Taiwan).

The *Journal of Arachnology* (ISSN 0161-8202), a publication devoted to the study of Arachnida, is published three times each year by *The American Arachnological Society*. **Memberships (yearly):** Membership is open to all those interested in Arachnida. Subscriptions to *The Journal of Arachnology* and *American Arachnology* (the newsletter), and annual meeting notices, are included with membership in the Society. Regular, \$55; Students, \$30; Institutional, \$125. Inquiries should be directed to the Membership Secretary (see below). **Back Issues:** James Carrel, 209 Tucker Hall, Missouri University, Columbia, Missouri 65211-7400 USA. Telephone: (573) 882-3037. **Undelivered Issues:** Allen Press, Inc., 810 E. 10th Street, P.O. Box 368, Lawrence, Kansas 66044 USA.

THE AMERICAN ARACHNOLOGICAL SOCIETY

PRESIDENT: **Charles Griswold** (2013–2015), California Academy of Science, San Francisco, California, USA.

PRESIDENT-ELECT: **Marshal Hedin** (2013–2015), San Diego State University, San Diego, California, USA.

MEMBERSHIP SECRETARY: **Jeffrey W. Shultz** (appointed), Department of Entomology, University of Maryland, College Park, Maryland, USA.

TREASURER: **Karen Cangialosi**, Department of Biology, Keene State College, Keene, New Hampshire, USA.

SECRETARY: **Alan Cady**, Department of Zoology, Miami University, Middletown, Ohio, USA.

ARCHIVIST: **Lenny Vincent**, Fullerton College, Fullerton, California, USA.

DIRECTORS: **Jonathan Coddington** (2013–2015), **Ingi Agnarsson** (2013–2015), **Richard S. Vetter** (2013–2015)

PARLIAMENTARIAN: **Brent Opell** (appointed)

HONORARY MEMBERS: **C.D. Dondale**, **H.W. Levi**, **A.F. Millidge**.

Cover photo: Two pseudoscorpions (Chernetidae) hanging onto the underside of a fly (Muscoidea) in eastern Massachusetts. This is an example of phoresy, the term for one organism attaching to another as a means of transportation. Photo by Joe Warfel.

Publication date: 26 November 2013

© This paper meets the requirements of ANSI/NISO Z39.48-1992 (Permanence of Paper).