

The Great Lakes Entomologist

Volume 50
Numbers 3 & 4 -- Fall/Winter 2017 *Numbers 3 &
4 -- Fall/Winter 2017*

Article 3

December 2017

Cover Pages

Follow this and additional works at: <https://scholar.valpo.edu/tgle>



Part of the [Entomology Commons](#)

Recommended Citation

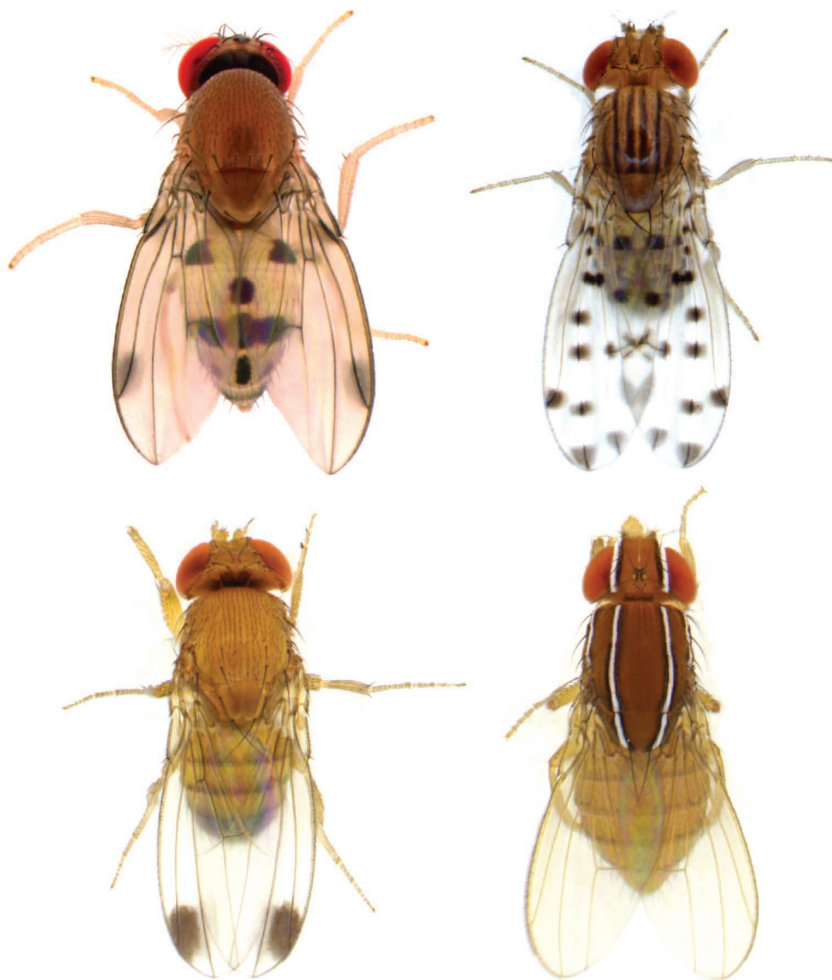
2017. "Cover Pages," *The Great Lakes Entomologist*, vol 50 (2)
Available at: <https://scholar.valpo.edu/tgle/vol50/iss2/3>

This Front Matter is brought to you for free and open access by the Department of Biology at ValpoScholar. It has been accepted for inclusion in *The Great Lakes Entomologist* by an authorized administrator of ValpoScholar. For more information, please contact a ValpoScholar staff member at scholar@valpo.edu.

Vol. 50, Nos. 3 & 4

Fall/Winter 2017

***THE
GREAT LAKES
ENTOMOLOGIST***



PUBLISHED BY

THE MICHIGAN
ENTOMOLOGICAL
SOCIETY



THE MICHIGAN ENTOMOLOGICAL SOCIETY 2017–18

OFFICERS

President	Matthew Douglas
President Elect	Elly Maxwell
Immediate Past President	Robert Haack
Secretary	Adrienne O'Brien
Treasurer	Angie Pytel
Member-at-Large (2017-2019)	James Dunn
Member-at-Large (2017-2019)	Toby Petrice
Member-at-Large (2016-2018)	John Douglass
Member-at-Large (2016-2018)	Martin Andree
Lead Journal Scientific Editor	Kristi Bugajski
Lead Journal Production Editor	Alicia Bray
Associate Journal Editor	Anthony Cognato
Associate Journal Editor	Julie Craves
Associate Journal Editor	David Houghton
Associate Journal Editor	William Ruesink
Associate Journal Editor	William Scharf
Associate Journal Editor	Daniel Swanson
Newsletter Editor	Mark O'Brien
Webmaster	Mark O'Brien

The Michigan Entomological Society traces its origins to the old Detroit Entomological Society and was organized on 4 November 1954 to “. . . promote the science of entomology in all its branches and by all feasible means, and to advance cooperation and good fellowship among persons interested in entomology.” The Society attempts to facilitate the exchange of ideas and information in both amateur and professional circles, and encourages the study of insects by youth. Membership in the Society, which serves the North Central States and adjacent Canada, is open to all persons interested in entomology.

There are five paying classes of membership:

Active—annual dues \$25.00

Student (to 12th grade)—annual dues \$12.00

Institutional—annual dues \$45.00

Sustaining—annual contribution \$35.00 or more

Life—\$500.00

Dues are paid on a calendar year basis (Jan. 1-Dec. 31). Memberships accepted before July 1 shall begin on the preceding January 1; memberships accepted at a later date shall begin the following January 1 unless the earlier date is requested and the required dues are paid. All members in good standing receive the Newsletter of the Society. All active and sustaining members may vote in Society affairs. All dues and contributions to the Society are deductible for Federal income tax purposes.

SUBSCRIPTION INFORMATION

The journal is published online and open access, there is no subscription needed. Articles are available in pdf format and can be printed from the website, free of charge. To view current and past volumes, please visit <http://scholar.valpo.edu/tgle/>.

INSTRUCTIONS FOR AUTHORS

SUBJECTS

Papers dealing with any aspect of entomology will be considered for publication in *The Great Lakes Entomologist*. Appropriate subjects are those of interest to professional and amateur entomologists in the North Central States and Canada, as well as general papers and revisions directed to a larger audience while retaining an interest to readers in our geographic area. All manuscripts are refereed by at least two reviewers.

SUBMISSION REQUIREMENTS

Manuscripts must be typed in English with line numbers, double-spaced, with 1" margins and uploaded. Please use italics rather than underline. Use subheadings sparingly and set them into paragraphs in boldface.

Footnotes (except for authors' addresses, which must be on the title page, and treated as a footnote), legends, and captions of illustrations should be on separate pages.

Titles should be concise, identifying the order and family discussed. The author of insect species must be given fully at least once in the abstract and text, but not in the title. If a common name is used for a species or group, it should be in accordance with the common names published by the Entomological Society of America, or the Entomology Society of Canada.

The format for references must follow that described in the style guidelines used by the Entomological Society of America, except that journal titles are not abbreviated.

Please make sure that all references cited in the text appear in the Literature Cited section, and that all references in the Literature Cited appear in the body of the paper.

FIGURES AND TABLES

Photographs should be high resolution digital files (300 dpi). Drawings, charts, graphs, and maps must be scaled to permit proper reduction without loss of detail.

Figures must meet the following criteria: (1) gray-scale images must be submitted with a resolution of at least 300 dpi ; (2) line art or graphs must be sent as 600 dpi.

Scanned images should be saved in the native application. Never embed the images in a word-processing document.

Captions for figures should be numbered consecutively and typed in order at the end of the manuscript. Captions should not be attached to illustrations.

Tables should be kept as uncluttered as possible, and should fit normally across a page when typeset.

Tables cannot be submitted as Excel files or graphics, but only as text. Contributors should follow the Council of Biology Editors Style Manual, 7th ed., and examine recent issues of *The Great Lakes Entomologist* for proper format of manuscripts.

The organizational format for a manuscript is as seen in the recent issues of the journal: TITLE, Author(s), Abstract, Introduction, Methods & Materials, Results, Discussion, Acknowledgments, Literature Cited, Tables, and a List of Figures.

Do not use extra spaces between paragraphs or references in the Lit. Cited.

The columns of text in tables should be aligned with TABS, not spaces.

Some symbols may not translate properly from one computer system to another. Do not use extbols.

PAGE CHARGES

Papers published in *The Great Lakes Entomologist* are subject to a page charge of \$20 per published page for non-members and \$5 per published page for members. Color images can be included at no additional charge. Members of the Society, who are authors without funds from grants, institutions, or industry, and are unable to pay costs from personal funds, may apply to the Society for financial assistance. Application for subsidy must be made at the time a manuscript is initially submitted for publication. Authors will receive a page proof, together with a page charge form. Reprints will be provided as PDF files. Extensive changes to the proof by the author will be billed at a rate of \$1.00 per line.

COVER ARTWORK

Cover art or photographs are desired for upcoming issues. They are published free of charge. We only require that they be suitably prepared as described for images above, and that the subject be identified as accurately as possible.

ATTRIBUTION AND USE POLICIES

Reproduction, posting, transmission or other distribution or use of the article or any material therein, in any medium as permitted by a personal-use exemption or by written agreement of *The Great Lakes Entomologist*, requires credit to *The Great Lakes Entomologist* as original publisher (e.g., *The Great Lakes Entomologist* © 2017).

Personal-use Exceptions: The following uses are always permitted to the author(s) and do not require further permission from ValpoScholar provided the author does not alter the format or content of the articles, including the copyright notification:

- Posting on ResearchGate, Academia.edu, or a similar website;
- Storage and back-up of the article on the author's computer(s) and digital media (e.g., diskettes, back-up servers, Zip disks, etc.), provided that the article stored on these computers and media is not readily accessible by persons other than the author(s);
- Posting of the article on the author(s) personal website, provided that the website is non-commercial;
- Posting of the article on the internet as part of a non-commercial open access institutional repository or other non-commercial open access publication site affiliated with the author(s)'s place of employment (e.g., a Entomology professor at the University of the Great Lakes can have her article appear in the University of the Great Lakes's Department of Entomology online publication series); and
- Posting of the article on a non-commercial course website for a course being taught by the author at the university or college employing the author.
- People seeking an exception, or who have questions about use, should contact the editors.

GENERAL TERMS AND CONDITIONS OF USE

Users of the ValpoScholar website and/or software agree not to misuse the ValpoScholar service or software in any way.

The failure of ValpoScholar to exercise or enforce any right or provision in the policies or the Submission Agreement does not constitute a waiver of such right or provision. If any term of the Submission Agreement or these policies is found to be invalid, the parties nevertheless agree that the court should endeavor to give effect to the parties' intentions as reflected in the provision, and the other provisions of the Submission Agreement and these policies remain in full force and effect. These policies and the Submission Agreement constitute the entire agreement between ValpoScholar and the Author(s) regarding submission of the Article.

EDITOR'S ADDRESS

All manuscripts for *The Great Lakes Entomologist* should be submitted via the online system at <http://scholar.valpo.edu/tgle/>. Any questions regarding submissions should be sent to the Lead Scientific Editor, Kristi Bugajski, Valparaiso University, 1610 Campus Drive East Valparaiso, IN 46383. (email: kristi.bugajski@valpo.edu).

OTHER BUSINESS Other correspondence should be directed to the Secretary, Michigan Entomological Society, 2104 Needham Rd., Ann Arbor, MI 48104.

The Great Lakes Entomologist

Published by the Michigan Entomological Society

Volume 50

Nos. 3 & 4

ISSN 0090-0222

Table of Contents

New Species Records for Wisconsin False Click Beetles (Coleoptera: Eucnemidae), with a Checklist of the Wisconsin Eucnemid Fauna Robert L. Otto and Daniel K. Young.....	47
The Effects of Soil Moisture, Soil Texture, and Host Orientation on the Ability of <i>Heterorhabditis bacteriophora</i> (Rhabditida: Heterorhabditidae) to Infect <i>Galleria mellonella</i> Suzanne M. Hartley and John R. Wallace.....	52
Insect (Arthropoda: Insecta) Composition in the Diet of Ornate Box Turtles (<i>Terrapene ornata ornata</i>) in Two Western Illinois Sand Prairies, with a New State Record for Cyclocephala (Coleoptera: Scarabaeidae) Reese J. Worthington, E. R. Sievers, D. B. Ligon, and P. K. Lago.....	61
The Drosophilids of a Pristine Old-Growth Northern Hardwood Forest Thomas Werner.....	68
The Ability of Specific-wavelength LED Lights in Attracting Night-flying Insects Ryan S. Zemel and David C. Houghton.....	79
Insect Visitors of <i>Cirsium pitcheri</i> , a Threatened and Endemic Dune Species, in Relation to Annual Weather Variation Jordan M. Marshall.....	86
<i>Leptinotarsa decemlineata</i> (Coleoptera: Chrysomelidae) Observed Feeding on <i>Chamaesaracha</i> sp. in Eastern Colorado. Michael S. Crossley, Benjamin Pélissié, Zachary Cohen, and Sean D. Schoville.....	93
Arthropod Fauna Associated with Wild and Cultivated Cranberries in Wisconsin Shawn A. Steffan, Merritt E. Singleton, Michael L. Draney, Elissa M. Chasen, Kyle E. Johnson, and Juan E. Zalapa.....	98

Cover photo

Top left: *Leucophenga varia*, male; Top right: *Drosophila guttifera*, female;

Bottom left: *Drosophila suzukii*, male;

Bottom right: *Zaprionus indianus*, female (Diptera: Drosophilidae)

Photos by Dr. Thomas Werner