

*Miscellaneous Publications*  
OF THE  
**Entomological Society of America**

© Copyright 1979 by the Entomological Society of America

Published by the  
**ENTOMOLOGICAL SOCIETY OF AMERICA**

---

JAMES S. PACKER, *Managing Editor*  
PAULA K. ALDRICH, *Assistant Editor*  
4603 Calvert Road  
College Park, Maryland 20740

RONALD A. WARD, *Editor*  
Department of Entomology  
Smithsonian Institution  
Washington, DC 20560

**EDITORIAL BOARD**

L. W. GETZIN, *Chairman*  
Puyallup, WA (F, 1979)

J. K. OLSON  
College Station, TX (D, 1980)

DON HOSTETTER  
Columbia, MO (C, 1981)

W. A. BRINDLEY  
Logan, UT (B, 1982)

C. A. TAUBER  
Ithaca, NY (A, 1983)

Published at irregular intervals. Subject matter is limited only in that it must be entomological. Designed for articles of more than 20 printed pages and of a type and length less than that suitable for the THOMAS SAY FOUNDATION series.



**TERMS OF SUBSCRIPTION.** Sold by individual number. Subscribers may be placed on a standing order to receive numbers as they appear.

**BACK NUMBERS.** Prices will be quoted upon request.

**REPRINTS.** Copies of the MISCELLANEOUS PUBLICATIONS are sold in lieu of reprints. Please write to the Society for quantity prices.

**BUSINESS COMMUNICATIONS** and **SUBSCRIPTIONS** should be sent to the Entomological Society of America, 4603 Calvert Rd., Box AJ, College Park, MD 20740. Members and subscribers should report change of mailing address as soon as possible and should make use of the postal regulations which provide for forwarding of other than first class mail if postage upon delivery is guaranteed.

**ALL MANUSCRIPTS** and other copy for the MISCELLANEOUS PUBLICATIONS should be sent to the Society in duplicate. The original and one photographic copy of art work are to accompany the manuscript. It is urgently requested that contributors consult the latest issue of MISCELLANEOUS PUBLICATIONS and conform their manuscripts to the usage found there regarding arrangement of title, sub-headings, synonymies, footnotes, tables, references cited, legends for illustrations, and other matter.

Manuscripts should be typed double-spaced on opaque paper — 8½×11-inch sheets. The authors are entirely responsible for statements in the MISCELLANEOUS PUBLICATIONS, whether of fact or opinion.

---

**Issued September 1979**