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Cicindela. Vol. I., No. I. March, 1969. Edited by R.L. Huber, R.G. Graves and H.L. Willis. Osseo, Minnesota. 24 pp. \$3.50/volume.

Louis F. Wilson

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insects. The mention of specific insect control practices in this section is not appropriate.

Examples are sometimes poorly chosen to make a point. For example, men and bees are cited in discussions of inherited variability and sex ratio where economic pests would have been appropriate. The importance of protozoa as insect control agents is overemphasized. In general, figures and illustrations are conspicuously lacking and some of those used are misleading, inappropriate, or of little value. Salient points that should have been and could be illustrated are not.

I do not believe this book will be of much help to the entomology student and I cannot recommend it.

Louis F. Wilson
Principal Insect Ecologist
North Central Forest Experiment Station
E. Lansing, Mich. 48823

[This 1966 Michigan-related production was given us for review in 1968—Ed.]

MARIPOSAS DE VENEZUELA. Michael Schmid and Bradford M. Endicott. Copenhagen: L. Levison, 1968. Spanish-English text. xii, 68 pp. \$9.95.

Despite a rather steep price caused by a small press run and many colored plates, this seems to be the only amateur handbook of Venezuelan Lepidoptera, and it will have a limited appeal to American amateurs with South American material in their collections. 132 species, most of them common, are discussed and illustrated. There is a brief introduction on collection and preparation.

The color plates, made from Ektachrome photographs, are of a high quality. Unfortunately for English readers, the illustrations are printed with the Spanish text which comes first in the book, but it is not difficult to leaf ahead to the corresponding English text when necessary. The latter is somewhat stilted but quite readable.

There are typographical and other errors, but for the most part these have been corrected by a sheet laid in by the American distributor. The bibliography is unexplainable except as a general list of selected books on world Lepidoptera. Few of the titles include Venezuelan species; indeed, more deal with North American insects. The exclusive U.S. distributor for the book is a Michigan firm, Entomological Reprint Specialists, P.O. Box 207, E. Lansing.

R.S.W.

CICINDELA. Vol., I, No. 1. March, 1969. Edited by R. L. Huber, R. G. Graves and H. L. Willis. Osseo, Minnesota. 24 pp. \$3.50/volume.

Cicindela, a new entomological journal for cicindelophiles, is an experiment in extreme specialization. Supporting enthusiasts chose the scope as world-wide Cicindelidae over the alternatives of world-wide Caraboidea (Carabidae and Cicindelidae), and Nearctic Caraboidea, or Nearctic Cicindelidae. Ronald L. Huber, instigator and spearhead of the publication, proposes to publish it in quarterly numbers to total approximately 100 pages per volume each year.

The object of *Cicindela* is to stimulate the exchange of ideas, literature, specimens and other data concerning tiger beetles, and to encourage communication between both amateurs and professional cicindelophiles in all parts of the globe. The editors especially seek articles on behavior and habits, and papers on areas other than the Nearctic region.

The first issue contains a more diverse spectrum of articles than would be anticipated. Included are papers on distribution, type localities, activities of tiger beetles, and deformities. Research notices and collecting notes are included. The issue is typed and printed by offset, and is similar in size and layout to earlier numbers of *The Michigan Entomologist*, but is less sophisticated. Spacing between articles and full-page treatment of

single photographs suggests a shortage of available material. Hopefully, more material will become available as subscriptions increase, as *Cicindela* has the potential to strengthen the bond between tiger-beetle collectors throughout the world.

Louis F. Wilson
Principal Insect Ecologist
North Central Forest Experiment Station
E. Lansing, Mich. 48823

BRIEF NOTICES

ANNUAL REVIEW OF ENTOMOLOGY: VOLUME 14. Edited by Ray F. Smith and Thomas E. Mittler. Palo Alto, California: Annual Reviews, 1969. viii, 478 pp. \$8.50.

Papers included in this issue are: Baron Osten Sacken and his influence on American dipterology; Philosophical aspects of taxonomy; Effects of the Pleistocene on North American insects; Alarm pheromones; Induced sterilization and control of insects; Bionomics and physiology of aphidophagous Syrphidae; The ecology of tetranychid mites and their natural control; The development and use of life tables in the study of natural insect populations; The ecology of *Myzus persicae*; The swarming and mating flight of Diptera; Comparative social behavior of bees; Respirator systems of insect egg shells; Systematic pesticides for use on animals; The cholinergic system in insect development; and Mechanisms of selective insecticidal action. There are cumulative indices of contributing authors and chapter titles for vols. 5-14.

ADVANCES IN INSECT PHYSIOLOGY: VOLUME 5. Edited by J. W. L. Beament, J. E. Treherne and V. B. Wigglesworth. London and New York: Academic Press, 1968. x 362 pp. \$15.00.

This volume contains five extensive contributions: The synaptic transmission and related phenomena in insects; Spiracular gills; Comparative physiology of the flight motor; The consumption and utilization of food by insects, and The nervous control of insect flight and related behaviour.



REAR COVER: Entomological collecting equipment ("Les engins du chasseur"). Maurice Sand, *Le monde des papillons* (Paris, 1867), frontispiece.



The gentleman collector. Maurice Sand, *Le monde des papillons* (Paris, 1867), 143.