

Information for Contributors

Manuscripts for publication, proof, and other correspondence should be addressed to:
Editor, Hawaiian Entomological Society
c/o Department of Entomology
University of Hawaii
2050 Kalia Street, Honolulu, Hawaii 96822

Manuscripts should not exceed 40 typewritten pages, including illustrations (approximately 20 printed pages). Longer manuscripts may be rejected on the basis of length or be subject to additional page charges.

Typing. Manuscripts must be typewritten on one side of white bond paper 8 1/2 x 11 inches. Double space all text, including labels, legends, and references. Margins should be a minimum of one inch. Illustrations, tables, and legends should be typed on text, not on headings. Geographic names, island names, and names of plants and animals should be spelled out in full except for the first time they are used. Scientific names of organisms may be abbreviated by using the first letter of the generic name plus the full specific name.

Submit original typewritten and one copy. Pages should be numbered consecutively. Place footnotes at the bottom of the manuscript page on which they appear, with a dividing line.

Place tables separately, not more than one table per manuscript page, at end of manuscript. Make a circular notation in margin of manuscript at appropriate location where placement of a table is desired. Use only horizontal lines in tables.

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Do not attach figure captions to illustrations. Do not attach and date specimens on a reference. Citations to literature should be in the text and not in the references. List separate page at the end of the text. References should appear in the text. The title of articles as well as journal citations for articles in this issue for proper style in listing references.

Examination of articles in this issue will help in conforming to the style of presentation desired. The editorial style of the PROCEEDINGS essentially follows the *Journal of Insect Ecology* (Style Manual, 1970, Entomology, U.S. 1972).

Manuscripts which fail to follow the above standards, although they may be otherwise acceptable, will be rejected or returned to author for correction.

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Acceptance of papers will be based solely on their scientific merit, without regard to the author's financial support.

PROCEEDINGS of the Hawaiian Entomological Society

VOL. XXII, No. 1

FOR THE YEAR 1973

AUGUST, 1975

JANUARY

The 805th meeting of the Hawaiian Entomological Society was convened by President Ota at 2:00 p.m. on January 8, 1973, at Agee Hall, HSPA Experiment Station, Honolulu, Hawaii.

Members Present: Beardsley, Bess, Bowman, Davis, Delfinado, Gagné, Hardy, Haramoto, Howarth, Joyce, LaPlante, Lauret, Leeper, Look, Madinger, Morrill, Nakahara, Ota, Sakimura, Shiroma, Steiner, Sugarman, Tsuda, Woolford, and Yoshioka.

Visitors Present: Mrs. Janet LaPlante and Mrs. Ercell Woolford.

NOTES AND EXHIBITIONS

Oncocephalus pacificus Kirkaldy: A single specimen of this reduviid bug was collected in a blacklight trap at the Hilo Airport on December 19, 1972. This constitutes a new distribution record for *O. pacificus* which was previously reported only for the island of Oahu ("Proceedings," 20 (3): 488-489, 1970). E. Shiroma.

Melormenis antillarum (Kirkaldy) and *Siphanta acuta* (Walker): Several adults and nymphs of these two flatid bugs were noted feeding on mulberry (*Morus* sp.) at Kaumana on the Big Island on November 25, 1972. These are new host records for both species. A heavy infestation of *M. antillarum* was reported on new growth of eggplants and tangerine trees in the Nuuanu area of Honolulu by inspector Taguma (AQI, USDA) who submitted two vials of specimens for identification. Inspector Taguma reported that the infestation was so heavy that the growth of the plants was affected. E. Shiroma.

Tricentrus albomaculatus Distant: Several specimens of this membracid also were noted feeding on mulberry (*Morus* sp.) at Kaumana on the Big Island on November 25, 1972. This constitutes a new host, as well as a new distribution, record for this membracid which was previously reported only from the island of Oahu (Zimmerman, Insects of Hawaii, Vol. 4, 1948). Other hosts listed are: pigeon pea, ylang ylang, *Cassia* sp., *Eucalyptus*, *Sesbania* and *Acalypha* ("Proceedings 16 (3): 335, 1958). E. Shiroma.

Cheiloneuromyia javensis Girault: Specimens of an encyrtid wasp which were reared from the soft scale, *Coccus acuminatus* (Signoret), were determined by Dr. R. D. Runk of the U. S. National Museum as

tions. To the monotypic *Saicella*, Wgodzinsky added *S. usingeri* (p. 408) from Kauai. He placed both genera in the *Ploiariolini*, the only genera in the tribe to "have suffered a reduction or loss of wings" (p. 408) and which, however, "descended from two different immigrants" (p. 400). W. C. Gagné.

Psallus sharpianus Kirkaldy: The endemic plant bug *Psallus sharpianus* has been discovered to be predaceous on the exotic acacia psyllid, *Psylla uncatoides*, on *Acacia koa*. Material was collected at 6,000 ft on the Mauna Loa Strip Road, Hawaii Volcanoes National Park in early January 1973. In the laboratory, adults of the bug were observed preying on nymphs, and possibly also on eggs, of the psyllid. Endemic *Psallus* spp. were suspected to be wholly or partially predaceous and this is the first documentation of this fact. W. C. Gagné.

Program: Mr. Ernest Harris, U.S.D.A. Fruit Fly Laboratory, Honolulu, Hawaii, spoke on the program and problems related to United States-North Africa cooperative efforts for the suppression of the Mediterranean fruit fly in North Africa. Mr. Harris illustrated his talk with color slides.

MARCH

The 807th meeting of the Hawaiian Entomological Society was called to order by President Ota at 2:00 p.m., March 12, 1973, at Agee Hall, HSPA Experiment Station.

Members Present: Beardsley, Davis, Funasaki, Haramoto, Hardy, Howarth, Joyce, Kawamura, Leeper, Look, Madinger, Morrill, Nakahara, Ota, Shiroma, Sugarman, Tenorio, Topham, Woolford, Yoshioka.

Visitors Present: Mr. Daniel Sprenger, Graduate student from New York, and Mr. William E. Rose, Exploratory Entomologist for the Hawaii Department of Agriculture.

President Ota reported that the HSPA had again contributed \$1500.00 to the Society to help defray the cost of publishing the "Proceedings". The Society voted to have the Secretary address a letter of appreciation to the HSPA for this generous gift.

President Ota also read a letter from Dr. C. E. Pemberton, Past President and Honorary Member of the Hawaiian Entomological Society, in which Dr. Pemberton expressed his appreciation to the Society for the dedication of the "Proceedings" for 1971 in his honor.

NOTES AND EXHIBITIONS

Stethorus siphonulus Kapur: This determination was received from Dr. E. B. Britton of the Entomology Division, CSIRO, Canberra, Australia, for specimens of the mite-feeding coccinellid beetle which has been known in our literature as *Stethorus vagans* Blackburn. Dr. Britton wrote

on the basis of a single male from Penang, Malaysia, and until now it was apparently unknown elsewhere. The species apparently has been present in Hawaii for many years. It was first recorded, misidentified as *S. vagans*, by Fullaway in 1922 ("Proceedings" 5: 80) who stated that it was first collected here in August, 1904. Although impossible to verify due to lack of voucher specimens, it seems likely that this beetle may have been among the species of Coccinellidae sent by Albert Koebele during 1896. J. W. Beardsley.

Saissetia miranda (Cockerell and Parrott): Specimens of the Mexican black scale, *Saissetia miranda* (det. J. W. Beardsley) were collected at Hana, Maui, on February 12, 1973, by Nobu Miyahira on twigs of *Erythrina* sp. This is a new island record. J. W. Beardsley.

Euvespivora sp. prob. *decipiens* Walker: One ♀ specimen of this tachinid fly, det. by Roger Crosskey, British Museum (Nat. Hist.) was collected in Honolulu, June 1972 (F. G. Howarth). This is a new state record. *E. decipiens* is a parasite of larvae of *Polistes* wasps. D. E. Hardy.

Desmometopa spp.: *Desmometopa singaporensis* Kertész and *D. tristicula* Hendel are two species of milichiid flies which have been confused in our literature under the name *D. palpalis* de Meijere. The first species has been recorded from Oahu and Hawaii and the second from Oahu and Kauai. They are both probably widespread. Determinations by C. W. Sabrosky, U. S. National Museum. D. E. Hardy.

Neophyllomyza sp.? possibly *quadricornis* Melander: This determination was received from Dr. C. W. Sabrosky for two specimens of a chloropid fly collected on Oahu. This is a new state record. D. E. Hardy.

Rhodesiella sauteri (Duda)?: Dr. Sabrosky also gave the above determination for three specimens for another chloropid collected in a light trap in Honolulu during 1966 and 1967 by C. R. Joyce. This also is a new state record. D. E. Hardy.

Coccinellid Predators of Psylla uncatoides (Ferris and Klyver): The Australian coccinellid beetle *Harmonia conformis* (Boisduval), also known in literature as *Leis conformis* (Boisduval), *Callineda conformis* (Boisduval), and *Coccinella conformis* Boisduval, was first introduced into Hawaii before 1894, and again in 1904. In 1906 Kirkaldy reported it feeding on the brown citrus aphid, *Toxoptera citricida* (Kirkaldy), in Honolulu ("Proceedings" 1: 101). Swezey (1925, Hawaiian Planters' Rec. 29: 370) stated that the species disappeared here after 1906. The reasons for its disappearance are unknown. However, in Australia this species is an important predator of *Psylla* spp. on acacias, and psyllids appear to be its preferred prey.

During January, in cooperation with the Hawaii State Department of Agriculture, we obtained a shipment of about 60 *H. conformis* adults from the University of California, Division of Biological Control insectary at Albany, California. These were released on Hawaii at the *Acacia koa* sanctuary at Kawaihae-uka, Kohala Mts. (3,200 ft) where *P.*

Hardy, 1975.