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MEMBERSHIP, 1934

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Mason, A. C.	Wilder, G. F.
McBride, O. C.	Willard, H. F.
Marlowe, R. H.	Williams, F. X.

\* Honorary Members

All correspondence should be addressed to the Secretary, Hawaiian Entomological Society, Honolulu, Hawaii, from whom copies of the Proceedings may be purchased.

- Volume I of the Proceedings for 1905-07 (in five numbers) contains 210 pages, 4 plates, and 5 text figures.
  - Volume II, 1908-12 (in five numbers), contains 311 pages, 7 plates, 5 cuts, and 1 portrait.
  - Volume III, 1913-17 (in five numbers), contains 500 pages, 8 plates, and 6 cuts.
  - Volume IV, 1918-20 (in three numbers), contains 610 pages, 10 plates, and 25 cuts.
  - Volume V, 1921-23 (in three numbers), contains 486 pages, 12 plates, and 34 cuts.
  - Volume VI, 1924-26 (in three numbers), contains 658 pages, 23 plates, and 12 cuts.
  - Volume VII, 1927-30 (in three numbers), contains 916 pages, 11 plates, and 24 cuts.
  - Volume VIII, 1931-33 (in three numbers), contains 544 pages, 25 plates, 1 portrait, and 13 cuts.
- Price per volume, \$2. Price of any single number of Volumes I-III, 50 cents. Price of any single number of Volumes IV to VIII, 25 cents.



28 MAY 1936  
PURCHASED

PROCEEDINGS  
OF THE

Hawaiian Entomological Society

Vol. IX, No. 1 FOR THE YEAR 1934 July, 1935

JANUARY 4, 1934

The 336th regular meeting of the Hawaiian Entomological Society was held at the Experiment Station, H.S.P.A., January 4, 1934, at 2:30 p. m.

Members present: Messrs. Bryan, Carter, Ehrhorn, Hadden, Illingworth, Krauss, McBride, Riley, Rosa, Schmidt, Swezey, Van Zwaluwenburg, Wilder, and Williams.

Visitor: H. D. Kirschman.

President McBride called the meeting to order.

The minutes of the previous meeting were read and approved. The secretary-treasurer reported that Mr. Ehrhorn had audited the books of the year just closed, and found them correct.

The secretary reported that the Executive Committee had made the following appointments for the year 1934:

Editor: Mr. O. H. Swezey

Librarian: Mr. J. S. Rosa

Curator of Collections: Mr. J. S. Rosa

The president having announced the payment by the Hawaiian Sugar Planters' Association of the printing bill for the last issue of the Proceedings, it was moved and seconded that the thanks of the Society be expressed to the H.S.P.A. for its generous support; carried unanimously.

EXHIBITIONS AND DISCUSSION OF LOCAL MATERIAL

*Elimaea punctifera* (Walker)—Mr. Rosa exhibited a portion of a sugar cane leaf in the blade of which eggs of this species had been inserted; oviposition in cane leaves has not been observed before. In the discussion which followed Mr. Ehrhorn reported that he had found *Elimaea* eggs inserted in the fleshy leaves of

concerning the *Harroweria* katydid intercepted here in the egg stage and reared to maturity. From the series thus obtained Mr. Hebard has now described the male, until now unknown.

A copy of "Economic Entomology of the West Indies" by Dr. G. N. Wolcott, published by the Entomological Society of Puerto Rico, was exhibited. This volume will be reviewed later by one of the members.

Mr. Krauss mentioned the appearance in Nature Magazine for January, 1934, of a popular article on the New Guinea cane borer written by Pres. D. L. Crawford of the University.

#### MARCH 1, 1934

The 338th regular meeting of the Hawaiian Entomological Society was held at the Experiment Station, H.S.P.A., March 1, 1934, at 2:30 p. m.

Members present: Messrs. Bryan, Ehrhorn, Hadden, Illingworth, Krauss, Mason, McBride, Mumford, Rosa, Schmidt, Swezey, Van Zwaluwenburg, and Weinrich.

Visitor: T. T. Waterman.

President McBride called the meeting to order.

The minutes of the previous meeting were read and approved.

#### PAPERS ON LOCAL SUBJECTS

Mr. Swezey presented, with an interesting discussion, two papers:

"The Insect Fauna of *Gossypium tomentosum*" and "The Winter Revival of Insect Life in the Arid Koko Head Region."

#### PAPERS ON FOREIGN SUBJECTS

Mr. Bryan presented a review of Dr. Wolcott's "Economic Entomology of the West Indies." In conclusion he made a plea for a similar volume for the general crops of the Hawaiian Islands, pointing out that with the exception of the major economic crops very little up-to-date entomological information is obtainable; this is particularly true of the pests attacking garden crops. After discussion it was moved, seconded and voted that the president appoint a committee to see what can be undertaken by the proper

institutions already functioning locally toward studies of the insect pests of minor crops. The chair appointed to this committee Messrs. Bryan, Swezey, and Krauss.

#### EXHIBITIONS AND DISCUSSION OF LOCAL MATERIAL

*Listroderes apicalis* Waterhouse—Mr. Krauss reported that two specimens of this vegetable weevil were collected on Chinese cabbage at Ulupalakua, Maui, on February 12, 1934, by Dr. S. Wakabayashi. This is evidently the first record from the island of Maui. The first specimens collected in Hawaii were found by Mr. Swezey at the Parker Ranch, Hawaii, on May 11, 1926, (P.H.E.S., VI, p. 360, 1927).

*Pycnoderes quadrimaculatus* Guerin—Mr. Krauss reported that this recent plant-bug immigrant was found abundantly on cucumber, lima beans and string beans at Nawiliwili, Kauai, on February 24, 1934, by Dr. Wakabayashi, and also at Waimea, Kauai. Farmers reported it as being abundant since last year. The first specimens in the Islands were collected on purslane at Kaimuki, Oahu, on December 11, 1929, by Dr. Illingworth (P.H.E.S., VII, p. 466, 1931).

*Insects killed by balsa flowers*—Mr. Swezey reported that two of the large flowers of balsa (*Ochroma lagopus*) collected by Mr. Van Zwaluwenburg at the Waipahu clubhouse, on February 2 (one on the tree and still fresh, the other a fallen blossom), were found to contain a considerable number of dead insects accumulated at the base of the corolla tube. When examined each flower contained respectively the following:

Unidentified moth .....	1	
Honey bees .....	7	6
Diptera		
<i>Ophyra nigra</i> .....	2	
<i>Fannia pusio</i> .....		2
<i>Atherigona excisa</i> .....	11	3
<i>Chrysomya aenea</i> .....	1	
<i>Drosophila melanogaster</i> .....		1
<i>Milichiella lacteipennis</i> .....	4	2
<i>Rhodesiella tarsalis</i> .....	5	
Total .....	31	14

Swezey, 1935