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PROCEEDINGS

OF THE

Hawaiian Entomological Society

Vol. X, No. 3 FOR THE YEAR 1939 AUGUST, 1940

JANUARY 5, 1939

The 397th meeting was held at the H.S.P.A. Experiment Station, January 5, 1939, at 2:30 p.m.
 Members present: Miss Margaret Poor, Miss Amy Suehiro, Messrs. Bryan, Ehrhorn, Fullaway, Holdaway, Illingworth, Mason, Pemberton, Rosa, Van Zwaluwenburg, Williams, and Zimmerman.
 In the absence of the President and Vice-president, Mr. C. E. Pemberton was appointed Chairman pro tem.
 The minutes of the previous meeting were read and approved.
 Mr. E. M. Ehrhorn reported that he had audited and found correct the financial report of the treasurer of the Hawaiian Entomological Society for the year ending December 1, 1938.

PAPERS PRESENTED

Mr. E. C. Zimmerman presented a paper entitled: "On the Genera of Anobiidae and Ptinidae Found in Hawaii (Coleoptera)."
 Dr. F. G. Holdaway presented a paper on "The Susceptibility of Bean Varieties to Melon Fly Attack."

NOTES AND EXHIBITIONS

Mr. E. M. Ehrhorn transmitted an interesting note reading as follows: *A Singular Phenomenon*.—A few evenings since a gentleman went into his bedroom, where a lamp was burning on the bureau, and noticed a large number of what, at first, appeared to be mosquitos flying about. On looking around he found the bureau literally covered with large winged ants, from one-half to one inch in length, of a light red or rather flesh color. He set to work to destroy them, and killed over two hundred in ten minutes. They exhibited none of the viciousness of the small red ant, which will bite ferociously, but so far as was noticed, were entirely harmless. On examining where the insects came from, he found them crowding through an aperture in the wall, evidently driven to seek shelter from the rain which was then falling quite freely. The next day he found a picket which exhibited the mischief done by these ants, which are

An Annotated List of Insects from Lanai¹BY K. SAKIMURA AND M. B. LINFORD
Pineapple Experiment Station

(Presented at the meeting of December 7, 1939)

Insects collected by one of the writers on the island of Lanai during February and March 1939 were determined by Messrs. O. H. Swezey (Hymenoptera, Microlepidoptera, and some Coleoptera), E. H. Bryan, Jr. (Diptera), and E. C. Zimmerman (Coleoptera, some Hymenoptera, and miscellaneous). Several undetermined species were retained by them for further study. Determined species are tabulated below.

Because the primary object was a study of the epidemiology of certain pineapple fruit diseases, collections were made in several ways with the particular object of obtaining insects that visit ripe or wounded fruits and those that emerge from rotting fruits. Sources, shown in the list by alphabetic symbols following insect names, are as follows:

- A. Ripe pineapple fruit; chiefly fruits that were picked and placed in groups on pineapple plants and examined repeatedly during one week. Before collections were terminated many of the fruits had begun to spoil and almost all were somewhat smeared with juice.
- B. Ripe pineapple fruits that were cut open and left exposed on the soil in fruiting pineapple fields.
- C. Pineapple fruits picked after decay had begun, placed over raw subsoil in rearing cages, and held for insect emergence.
- D. Net collections in fruiting pineapple fields; day.
- E. Net collections in fruiting pineapple fields; night.
- F. Net collections over decomposing plant waste and fallow soil.
- G. Ripe and decaying fruits of *Ficus rubiginosa*.
- H. Clean white cloth covers over fresh pineapple juice.
- I. Old fruits of *Melia azedarach*.
- J. Pineapple leaves.

DERMAPTERA

Labiduridae

Euborellia annulipes (Lucas)..... A B C

EMBIOPTERA

Oligotomidae

Oligotoma saundersii Westw..... A C

PSOCOPTERA

Psocidae

Hemipsocus roseus Hagen..... A

¹ Published with approval of the Director as Miscellaneous Paper No. 33 of the Pineapple Experiment Station, University of Hawaii.

Sakimura & Linford,
1940.

HEMIPTERA

Coreidae	
<i>Liorhyssus hyalinus</i> (Fabr.)	?
Lygaeidae	
<i>Nystus</i> sp.	J
Pyrrhocoridae	
<i>Orthoeca nigriceps</i> (Dallas)	D
Reduviidae	
<i>Empicoris whitei</i> (F. B. White)	E
<i>Luteva insolida</i> F. B. White	E
<i>Zelus renardii</i> Kol.	A

COLEOPTERA

Staphylinidae	
<i>Atheta coriaria</i> (Kr.)	A C H
<i>Philonthus discoideus</i> Grav.	C
<i>Philonthus longicornis</i> Steph.	A B C
<i>Tachinus</i> sp.	C
Cucujidae	
<i>Cryptamorpha desjardinsi</i> (Guer.)	A C
Elateridae	
<i>Conoderus exsul</i> (Sharp)	A B
Colydiidae	
<i>Colobicus parilis</i> Pasc.	A C
Nitidulidae	
<i>Carpophilus hemipterus</i> (Linné)	A B C D F I
<i>Carpophilus humeralis</i> (Fabr.)	A B C D F
<i>Haptoncus mundus</i> Sharp	A C H
<i>Haptoncus ocularis</i> (Fairm.)	A C
Mycetophagidae	
<i>Litargus balteatus</i> Lec.	A C D H
Anobiidae	
<i>Catorama herbarium</i> (Chev.)	A
Bostrychidae	
<i>Xylopsocus capucinus</i> Fabr.	Resting in automobile
Coccinellidae	
<i>Cryptolaemus montrouzieri</i> Muls.	<i>Ficus rubiginosa</i> foliage
<i>Lindorus lophanthae</i> (Blaisd.)	A
<i>Pullus kinbergi</i> (Boh.)	A
<i>Scymnus debilis</i> Lec.	A
<i>Scymnus pictus</i> Gorb.	A
<i>Sticholotis punctatus</i> Crotch	A H
Orthoperidae	
<i>Sericoderus pubipennis</i> Sharp	H
Tenebrionidae	
<i>Epitragus diremptus</i> Karsch	A
<i>Gonocephalum seriatum</i> (Boisd.)	E
Cerambycidae	
<i>Sybra alternans</i> Wied.	A E
Curculionidae	
<i>Pantomorus godmani</i> (Crotch)	J
Scolytidae	
<i>Hypothenemus maculicollis</i> Sharp	F
Anthribidae	
<i>Araocerus fasciculatus</i> (De Geer)	A H I
Scarabaeidae	
<i>Adoretus sinicus</i> Burm.	E
<i>Aphodius lividus</i> Olivier	A

DIPTERA

Sciaridae	
<i>Neosciara molokaiensis</i> (Grimshaw)	A F
Scenopinidae	
<i>Scenopinus lucidus</i> Becker	A
Syrphidae	
<i>Eumerus aurifrons</i> Wied.	C
<i>Lathryophthalmus arvarum</i> (Fabr.)	B
<i>Volucella obesa</i> (Fabr.)	B
<i>Volucella pusilla</i> (Macq.)	A
Sarcophagidae	
<i>Sarcophaga fuscicauda</i> Böttcher	G
<i>Sarcophaga haemorrhoidalis</i> Fallen	G
<i>Sarcophaga pallinervis</i> Thomson	G
<i>Sarcophaga plinthopygia</i> Wied.	G
Calliphoridae	
<i>Chrysomya megacephala</i> (Fabr.)	G
<i>Chrysomya rufifacies</i> (Macq.)	A B
<i>Lucilia sericata</i> (Meigen)	B G
<i>Stomorphina pleuralis</i> (Thomson)	B G
Muscidae	
<i>Musca domestica</i> Linn.	G
<i>Synthesiomyia nudiseta</i> Van der Wulp	A B G
Anthomyiidae	
<i>Atherigona excisa</i> (Thomson)	A C D F G H
Borboridae	
<i>Leptocera</i> sp.	C
Ortalidae	
<i>Acrosticta apicalis</i> (Williston)	A
<i>Euxesta quadrivittata</i> Macq.	A F
Trypetidae	
<i>Chaetodacus cucurbitae</i> (Coq.)	<i>Ficus rubiginosa</i> foliage
Drosophilidae	
<i>Chymomyza procnemis</i> (Will.)	A D G H
<i>Drosophila melanogaster</i> Meigen	A C H
<i>Drosophila mulleri</i> Sturtevant	A C D G H
<i>Drosophila repleta</i> Wollaston	A C G H
Carnidae	
<i>Rhodesiella tarsalis</i> Adams	A
Milichiidae	
<i>Desmometopa m-nigrum</i> Zetterstedt	A C D F
<i>Milichiella lacteipennis</i> (Loew)	A D
Agromyzidae	
<i>Liriomyza pusilla</i> (Meigen)	D

LEPIDOPTERA

Tineidae	
<i>Ereumetis flavistriata</i> Walsm.	C E
<i>Opogona omoscopia</i> (Meyr.)	A C
Cosmopterygidae	
<i>Pyroderces rileyi</i> (Walsm.)	A C
Yponomeutidae	
<i>Hypsmocoma</i> spp.	A
Gelechiidae	
<i>Stoerberhinus testaceus</i> Butl.	A

HYMENOPTERA

Braconidae	
<i>Apanteles glomeratus</i> (Linné)	A
<i>Chelonus blackburni</i> Cameron	A

Ichneumonidae	
<i>Cremastus flavo-orbitalis</i> (Cam.)	..... A
<i>Idechthis near canescens</i> (Grav.)	..... A C
<i>Pristomerus hawaiiensis</i> Perkins	..... A
Diapriidae	
<i>Diapria drosophilae</i> Perkins	..... A C
Agaonidae	
<i>Pleistodontes froggatti</i> Mayr	..... <i>Ficus macrophylla</i> fruits
<i>Pleistodontes imperialis</i> Saund.	..... <i>Ficus rubiginosa</i> fruits
Chalcididae	
<i>Stomatoceras pertorvum</i> Girault	..... A F
Encyrtidae	
<i>Aenasius advena</i> Compere	..... A
<i>Anagyrus nigricornis</i> Timb.	..... A
Pteromalidae	
<i>Muscidifurax raptor</i> Gir. & Sand.	..... A F
<i>Pachycrepoides dubius</i> Ashm.	..... A
Miscogasteridae	
<i>Scutellista cyanea</i> Motsch.	..... A
Spalangidae	
<i>Spalangia lanaiensis</i> Ashm.	..... A C
<i>Spalangia philippinensis</i> Fullaway	..... A C D F
Eulophidae	
<i>Elachertus advena</i> Timb.	..... A
<i>Pleurotropis</i> sp.	..... A
Eumenidae	
<i>Odynerus sandwichensis</i> D. T.	..... A
Megachilidae	
<i>Megachile gentilis</i> Cresson	..... A

W. R. R. POTTER

Obituary Note

BY O. H. SWEZEY

(Presented at the meeting of March 2, 1939)

The death of Mr. W. R. R. Potter occurred in a sanitarium at Pasadena, California, February 8, 1939. He had been in failing health due to heart trouble the past few years. Mr. Potter was a former member of the Hawaiian Entomological Society, 1909-1921, at which time he was the Illustrator at the Experiment Station, H.S.P.A. He served as President of the Entomological Society for the year 1917. During his membership he assisted the Editor with the illustrative work in the Proceedings.

Mr. Potter began his career in art work quite early in life, having worked in Cincinnati, Ohio, with Moran, the famous panorama painter. Later, he was occupied with ranching in South Africa, and became involved in the Boer war, taking part on the British side. Was wounded, and, on recuperating, engaged in illustrative work for the government at Cape Town. This was soon given up, and he migrated to New Zealand, where he was employed on a sheep ranch for a time. He came from there to Hawaii about 35 years ago, and at first worked with Mr. Byron O. Clark in the early pioneering days of the pineapple industry at Wahiawa, Oahu. This was not for long, however, for he was soon back at art work, being Illustrator at the Paradise of the Pacific Publishing Co., where the Editor of the Proceedings of the Hawaiian Entomological Society first met him while the Proceedings was being printed at that place.

When Mr. W. E. Chambers, who had been the Illustrator at the Experiment Station, H.S.P.A., left to go to Washington, D. C., with Dr. N. A. Cobb, Mr. Potter was engaged as his successor at the Experiment Station. The numerous illustrations in the Hawaiian Planters' Record, and in the Station Bulletins, as well as numerous colored paintings about the station buildings are evidence of his proficiency in his chosen profession.

Since 1921, Mr. Potter has been engaged in art work of various kinds in California, residing at various places, as: Mill Valley, Nevada City, Los Gatos, Altadena and Pasadena. He was about 72 years old at the time of his death. He is survived by his widow and son Robert.

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