

Records of Immigrant and Recently Introduced Insects on Kauai

BY O. H. SWEZEY

(Presented at the meeting of April 5, 1928)

Xiphidiopsis lita Hebard.

This insect was observed in the garden at Lihue Hotel, March 11, also on several successive evenings coming to light at the hotel. No specimens were secured. The first record of it on Kauai.

Phthorimaea lycopersicella Busek.

This moth was reared from tomato leaves collected in the garden of Lindsay Faye, Waimea, Kauai, March 21. First record of its occurrence on Kauai.

Engytatus geniculatus Reuter.

This bug was collected on tomato vines at an old camp in the upper part of Kilauea Sugar Plantation Company, March 14, 1928. First record on Kauai.

Bruchus sp. near *coryphae*.

At Nawiliwili, March 11, numerous seeds and capsules of *Ipomoea pes-caprae* were found perforated by this weevil. Eggs were also found on green capsules. The first record of the insect on Kauai.

Chrysis extraniens Rohwer.

Three cocoons were found in nests of *Sceliphron caementarium* occurring under the porch roof of the plantation office at Kilauea Sugar Plantation Company, March 14, 1928. The only previous record of its occurrence on Kauai was in September, 1920, when I saw one on a fence at Lihue, but failed to catch it.

Bactra truculenta Meyrick.

This Philippine nutgrass moth borer was found established in all plantation districts wherever nutgrass patches were examined. Usually the affected plants were scarce and hard to find, but in a nutgrass patch in Hanapepe Valley in a cane field, and in another patch similarly located at Mana they were so numerous that 36 were counted per square foot. This insect has become established and spread from colonies liberated on a few of the plantations in the summer of 1927.

***Anthomyia bisetosa* Thomson.**

A fly was collected on the window of the Lihue Plantation Company's office on March 13, 1928. The first record on Kauai.

***Telenomus nawai* Ashm.**

This armyworm egg-parasite was reared from eggs of *Spodoptera mauritia* collected on palm leaves at Lihue Hotel, County Building grounds and on sugar cane leaves in Waimea Valley, March 11, 19 and 22 respectively. This is the first knowledge of its having become established on Kauai.

***Cremastus hymeniae* Viereck.**

The coconut leaves everywhere on Kauai are in nearly perfect condition, apparently due to the work of *Cremastus* in checking the coconut leafroller *Omiodes blackburni*. At Kealia, March 15, on a small coconut tree quite a number of caterpillars were found, and they were found to be 85 per cent parasitized by *Cremastus hymeniae*.

***Hyposoter exiguae* (Viereck).**

A cocoon of this parasite of caterpillars was found at Kumuwela, March 9. It is the first knowledge of its becoming established on Kauai.

***Monopis meliorella* (Walker).**

One moth was collected in Hanapepe Valley, March 17. The first record for Kauai.

***Curinus coeruleus* (Muls.).**

One of these ladybeetles, introduced from Mexico, was collected in the grounds of Lindsay Faye, Waimea, March 21. It is the first record of its establishment on Kauai.

***Coccotrypes pygmaeus* (Eich.).**

In the Lihue Hotel grounds this scolytid was found attacking date seeds on the ground under a date tree. At Koloa, date seeds were found similarly affected. The first record of it on Kauai.

***Ripersia palmarum* Ehrhorn.**

This mealybug was found on a young coconut tree at the County Building grounds at Lihue, March 19, 1928. Not previously recorded from Kauai.

Thoracaphis fici Baker.

Found common on leaves of *Ficus retusa* in the grounds of Lindsay Faye, Waimea, March 21. Not previously recorded from Kauai.

**List of Lepidoptera at the Bishop Museum, Collected by
J. August Kusche on Kauai in 1919 and 1920**

BY O. H. SWEZEY

(Presented at the meeting of May 3, 1928)

Of this valuable addition to the Bishop Museum collection of Hawaiian insects, the larger lot, collected in 1919, was obtained by purchase, and those collected in 1920 were donated to the Museum by Mr. Kusche. The moths of this list were chiefly caught at light in different regions of the high plateau of Kauai during two periods of time, about January to April in 1919, and April, 1920. Many of the species were taken in large series. Those in the list marked thus * were not previously in the collection. Those marked thus # were not recorded from Kauai in the Fauna Hawaiiensis.

There are 164 species enumerated in the list, 22 of which were not previously in the Bishop Museum collection, and 55 of which were not recorded from Kauai in the Fauna Hawaiiensis. Six species were new to science and are as follows:

Agrotis stenospila Meyrick, Proc. Haw. Ent. Soc., VII, No. 1, p. 92, 1928.

Euxoa charmocrita Meyrick, Proc. Haw. Ent. Soc., VII, No. 1, p. 91, 1928.

Plusia violacea (Swezey), Proc. Haw. Ent. Soc., IV, No. 2, p. 337, 1920.

Nesamiptis senicula Meyrick, Proc. Haw. Ent. Soc., VII, No. 1, p. 93, 1928.

Nesamiptis proterortha Meyrick, Proc. Haw. Ent. Soc., VII, No. 1, p. 93, 1928.

Scotorythra crocorrhoa Meyrick, Proc. Haw. Ent. Soc., VII, No. 1, p. 94, 1928.