

A List of Laysan Island Insects.

BY D. T. FULLAWAY.

This list includes those collected by Mr. G. P. Wilder in 1905; those collected by Professor W. A. Bryan in April, 1911; and those collected by myself on my trip to the island in December, 1912. It includes sixty species altogether, the most of which also occur on Oahu and the other large islands of the group. A few have proved to be new species.

LEPIDOPTERA.

- No. 1, *Euxoa* (*Agrotis*) *eremioides* (Meyr.). (Fullaway, Bryan).
 2, *Euxoa* (*Agrotis*) *procellaris* (Meyr.). (Fullaway, Wilder).
 3, *Agrotis dislocata* Walk. (Fullaway).
 4, *Agrotis saucia* Hub. (Wilder).
 5, *Nesamiptis laysanensis* Swezey. (Fullaway).
 6, *Pyrausta dryadopa* Meyr. (Fullaway).
 7, *Hymenia recurralis* (Fab.). (Fullaway, Wilder).
 8, *Omiodes laysanensis* Swezey. (Fullaway).
 9, *Trichoptilus oxydactylus* (Walk.). (Wilder).
 10, *Crociosema plebiana* Meyr. (Fullaway).
 11, *Hyposmocoma notabilis* Walsm. (Larval case only, and it had emergence hole of a parasite. Fullaway).
 12,*Tineid, undetermined. (Fullaway).
 13, Tineid, undetermined. (Fullaway).

HYMENOPTERA.

- 14, *Tetramorium guineense* (Fabr.). (Fullaway, Wilder).
 15, *Monomorium gracillimum* (Sm.). (Fullaway).
 16, *Monomorium minutum* Mayr. (Fullaway).
 17, *Tapinoma melanocephalum* (Fab.). (Fullaway).
 18, *Chelonus blackburni* Cam. (Fullaway).

* A species that occurs in Honolulu, and has recently been determined by Mr. August Busck of the U. S. National Museum as new, and named by him *Petrochroa dimorpha*.—Ed.

- 19, *Phaenopria* sp. (Fullaway).
 20, *Tropidopria* sp. (Fullaway).
 21, *Eupelmus* sp. (Wilder).
 22, *Ectroma* sp.? Wingless ectromic Encyrtid. (Fullaway).
 23, Mymarid. (Fullaway).

COLEOPTERA.

- 24, *Dermestes cadaverinus* Fab. (Fullaway).
 25, *Attugenus plebius* Shp. (Bryan).
 26, *Necrobia rufipes* De G. (Fullaway).
 27, *Alphitobius diaperinus* (Panz.). (Fullaway).
 28, *Tribolium ferrugineum* (Fab.). (Fullaway).
 29, *Macraucylus linearis* Lec. (Fullaway).
 30, *Oodemus laysanensis* Fullaway. (Fullaway).
 31, *Rhyncogonus* sp. (Bryan).
 32, *Calandra oryzae* L. (In food stores. Fullaway).
 23, *Scymnus loewii* Muls. (Fullaway).
 34, *Scymnus debilis* Lec. (Fullaway).
 35, *Stephanoderes* sp. (Fullaway).

DIPTERA.

- 36, *Lucilia* sp.? (Fullaway).
 37, *Musca domestica* L. (Fullaway).
 38, *Hydrophorus* sp. (Fullaway).
 39, *Lispe* sp.? (Fullaway).
 40, *Scatella hawaiiensis*, var. *sex-notata* Terry. (Fullaway).
 41, Tachinid. Undetermined. (Fullaway).
 42, Drosophilid. Undetermined. (Fullaway).
 43, Agromyzid. Undetermined. (Fullaway).
 44, Phorid. Undetermined. (Fullaway).

HEMIPTERA.

- 45, *Redurionus blackburni* (White). (Fullaway).
 46, *Oronomiris hawaiiensis* Kirk. (Fullaway, Schaninsland).
 47, *Nysius* sp. (Fullaway).
 48, *Triphleps perseuens* White. (Fullaway).
 49, *Kelisia paludum* Kirk. (Fullaway).
 50, *Aphis* sp. (Fullaway).
 51, *Saissetia nigra* (Neit.). (Fullaway).

52, *Pseudococcus* sp. (Fullaway).

ORTHOPTERA.

53, *Periplaneta americana* (L.). (Fullaway).

54, *Polyzosteria soror* Brunn. (Fullaway).

55, *Phyllodromia* sp. (Fullaway).

EUPLEXOPTERA.

56, *Anisolabis annulipes* (Luc.). (Fullaway).

57, *Anisolabis maritima* (Bon.)! (Fullaway).

THYSANOPTERA.

58, Thrips. Undetermined. (Fullaway).

PSOCOPTERA.

59, *Ectopsocus fullawayi* Enderlein. (Fullaway).

60, *Kilaueacella* sp. (Fullaway).

Two New Species of Trichogrammidae.

BY D. T. FULLAWAY.

Jassidophthora lutea n. sp.

Lemon yellow, microscopically reticulate and roughened, almost opaque. Head large, transverse, more or less subquadrate; eyes round, front and cheeks broad, ocelli arranged in an equilateral triangle near the vertex; lateral members not close to margin of eye. Antennae 9-jointed, inserted on middle of face, scape rather slender, longer than the club, pedicel a trifle shorter and more or less obconic, all the funicle joints transverse, the 2nd the largest, club stout and distinctly three-jointed, all the joints outwardly from the scape bearing some stout setae. Pronotum narrow, mesonotum with distinct parapsides, scutellum transverse with a few short, bristly hairs. Abdomen ovate, the lateral margins marked with fuscous. Ovipositor only slightly exerted. Wings twice as long as wide, marginal vein though fairly long not reaching beyond the middle, also greatly thickened and somewhat curved basally away from the costal margin, stigmal vein short and broad, at right angles to the marginal with a short spur on outer face and contained