

## Additions to the Known Insect Fauna of Niihau

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EXPERIMENT STATION, HSPA  
HONOLULU, HAWAII

AND

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Through the courtesy of Mr. Aylmer Robinson the junior author was enabled to spend a week on the island of Niihau during the month of August, 1947, for the purpose of making a survey of the insect fauna of that island. Because of the extremely dry condition of Niihau during the summer months, the collection secured undoubtedly represents only a portion of the insects present. Many additional species certainly could be collected during the wetter winter months.

We are grateful to D. E. Hardy for determination of the Diptera, E. J. Ford, Jr., for the Coleoptera, K. Sakimura for the Thysanoptera, C. M. Yoshimoto for certain of the aculeate Hymenoptera, E. S. Ross for the Embioptera, and Mrs. Betty Defibaugh Pelot for preparation of the scale insects. The remainder of the determinations were made by Beardsley.

The only previously published records of Niihau insects are those of Fullaway (PROC. HAW. ENT. SOC. 13 (1) :51-53, 1947) and Bonnet (PROC. HAW. ENT. SOC. 16 (3) :330, 1958). In the following list duplications of earlier records are in italics.

### ODONATA

#### Libellulidae

*Pantala flavescens* (Fabricius)

#### Coenagrionidae

*Megalagrion* sp.; one female

### ORTHOPTERA

#### Blattidae

*Cutilia soror* (Brunner)

*Pycnoscelus surinamensis* (L.)

Mantidae

*Tenodera angustipennis* Saussure (?); one ootheca

Tettigoniidae

*Conocephalus saltator* (Saussure)

Gryllidae

*Metioche vittaticollis* (Stål)

ISOPTERA

Kalotermitidae

*Kalotermes immigrans* Snyder

EMBIOPTERA

Oligotomidae

*Oligotoma saundersii* (Westwood)

THYSANOPTERA

Thripidae

*Frankliniella sulphurea* Schmutz; on *Hibiscus tiliaceus* flowers and *Sesbania tomentosa* flowers.

*Taeniothrips hawaiiensis* (Morgan) from imitator Priesner; on *Sesbania tomentosa* flowers.

*Thrips tabaci* Lindeman; on *Sesbania tomentosa* flowers

Phlaeothripidae

*Haplothrips fusca* Moulton; sweeping *Scirpus* sp. and *Batis maritima*.

*Haplothrips gowdeyi* (Franklin); on *Nototrichium sandwicense* flowers.

HEMIPTERA (HETEROPTERA)

Lygaeidae

*Geocoris pallens* Stål

*Geocoris punctipes* (Say)

*Graptostethus manillensis* (Stål)

*Nysius communis* Usinger

*Nysius fucatus* Usinger

*Nysius kinbergi* Usinger (see p. 92)

*Nysius longicollis* Blackburn

*Pachybrachius nigriceps* (Dallas)

*Pachybrachius vincta* (Say)

*Tempyra biguttula* Stål

Tingidae

*Teleonemia scrupulosa* Stål

Reduviidae

*Zelus renardii* Kolenati

Nabidae

*Nabis blackburni* White

Anthocoridae

*Buchaniella sodalis* (White)

*Orius persequens* (White)

## Miridae

**Hyalopeplus pellucidus** (Stål)**Leucopocila albofasciata** Reuter**Psallus** n. sp.; on *Myoporum sandwicense* (A. de Candolle) Gray

## Veliidae

**Microvelia vagans** White

## Notonectidae

**Buenoa pallipes** (Fabricius)

## Corixidae

**Trichocorixa reticulata** (Guérin-Ménéville)

## HEMIPTERA (HOMOPTERA)

## Cicadellidae

**Balclutha hospes** (Kirkaldy)**Deltocephalus hospes** Kirkaldy**Draeculacephala mollipes** (Say)**Nesophrosyne** sp.; one poor specimen

## Delphacidae

**Aloha myoporicola** Kirkaldy; on *Myoporum sandwicense***Peregrinus maidis** (Ashmead)

## Diaspididae

**Andaspis hawaiiensis** (Maskell); on *Leucaena glauca***Chrysomphalus ficus** Ashmead; on orange, plum, and unknown host**Diaspis bromeliae** (Kerner); on pineapple**Diaspis echinocacti** (Bouché); on *Opuntia***Duplaspidotus claviger** (Cockerell); on *Abutilon* and unknown host**Hemiberlesia lataniae** (Signoret); on *Agave***Howardia biclavis** (Comstock); on *Abutilon***Ischnaspis longirostris** (Signoret); on *Pritchardia***Pinnaspis strachani** (Cooley); on *Hibiscus*, *Abutilon*, and unknown host**Pseudaulacaspis major** (Corkerell); on unknown host.

## NEUROPTERA

## Hemerobiidae

**Nesomicromus navigatorum** (Brauer)

## LEPIDOPTERA

## Nymphalidae

**Danaus plexippus** (L.)

## Lycaenidae

**Lampides boeticus** (L.)

## Sphingidae

**Herse cingulata** (Fabricius)

## Pyralididae

**Hymenia recurvalis** (Fabricius)

## Tineidae

**Petrochroa dimorpha** Busck

Gelechiidae

*Stoeberhinus testaceus* Butler

COLEOPTERA

Carabidae

*Tachys oahuensis* Blackburn

Corynetidae

*Necrobia rufipes* (De Geer)

Elateridae

*Melanoxanthus melanocephalus* (Fabricius)

*Simodactylus cinnamomeus* (Boisduval)

Dermestidae

*Dermestes maculatus* DeGeer

*Orphinus fulvipes* (Guérin-Méneville)

Nitidulidae

*Carpophilus dimidiatus* (Fabricius)

Coccinellidae

*Coelophora inaequalis* (Fabricius)

*Cryptolaemus montrouzieri* Mulsant

*Curinus coeruleus* Mulsant

*Rhizobius ventralis* (Erichson)

*Rodolia cardinalis* (Mulsant)

*Scymnus bilucernarius* (Mulsant)

*Scymnus* (?) sp.; one specimen

Oedemeridae

*Sessinia bicolor* (Fairmaire)

Tenebrionidae

*Alphitobius diaperinus* (Panzer)

*Blapstinus dilatus* Leconte

*Eutochia lateralis* (Boheman)

*Gonocephalum adpressiforme* Kaszab. This species previously reported as *G. seriatum* (Boisduval) by Fullaway

*Lobometopon diremptus* (Karsch)

*Platyedema obscurum* Sharp

Scarabaeidae

*Aphodius lividus* (Olivier)

Cerambycidae

*Ceresium unicolor* (Fabricius)

*Prosoplus bankii* (Fabricius)

*Xystrocera globosa* (Olivier)

Chrysomelidae

*Diachus auratus* (Fabricius)

Bruchidae

*Acanthoscelides obtectus* (Say)

*Bruchus amicus* Horn

- Bruchus pruininus** Horn  
*Megacerus alternatus* (Bridwell)
- Curculionidae  
*Oxydema fusiforme* Wollaston  
*Pantomorus godmani* (Crotch)
- Scolytidae  
**Xyleborus testaceus** (Walker)
- Anthribidae  
**Araecerus vieillardii** (Montrouzier)
- HYMENOPTERA
- Braconidae  
**Apanteles marginiventris** Cresson  
**Chelonus blackburni** (Cameron)  
*Meteorus laphygmae* Viereck (?); one poor specimen  
**Phanerotoma hawaiiensis** Ashmead
- Ichneumonidae  
*Casitaria infesta* Cresson (?); one poor specimen  
**Idechthis canescens** (Gravenhorst)
- Eulophidae  
**Horismenus** sp.
- Evaniidae  
*Evania appendigaster* (L.)
- Bethylidae  
**Epyris extraneus** Bridwell  
**Holepyris hawaiiensis** (Ashmead)
- Formicidae  
**Camponotus variegatus hawaiiensis** Forel  
**Cardiocondyla** sp.; one male  
**Pheidole megacephala** (Fabricius)  
**Ponera perkinsi** Forel
- Vespidae  
*Pachodynerus nasidens* (Latreille)  
**Polistes fuscatus aurifer** Saussure  
**Polistes macaensis** (Fabricius)  
**Polistes olivaceus** (DeGeer)  
**Odynerus niihauensis** Yoshimoto (see pp. 126-127)
- Sphecidae  
**Pison hospes** Smith  
**Pison iridipennis** Smith  
**Sceliphron caementarium** (Drury)  
*Trypoxylon bicolor* Smith
- Colletidae  
**Nesoprosopis anthracina** (Smith)
- Apidae  
**Apis mellifera** L.  
**Xylocopa varipuncta** (Patton)

DIPTERA

Culicidae

**Aedes albopictus** (Skuse)

Dolichopodidae

**Asyndetus carcinophilus** Parent

Syrphidae

**Lathyrophthalmus aeneus** (Scopoli)

**Toxomerus marginatus** (Say)

**Volucella obesa** (Fabricius)

Ortaliididae

**Notogramma stigma** (Fabricius)

Tephritidae

**Dacus dorsalis** (Hendel)

Callophoridae

*Chrysomya megacephala* (Fabricius)

**Chrysomya rufifacies** Macquart

Muscidae

**Musca domestica** L.

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