

# A Preliminary note on some Insects from Mangalum Island, North-west Borneo

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With regard to the insects collected by Mr. C. Boden Kloss on Mangalum Island (8—15th July, 1928) that have not yet been reported upon in this series of papers, it is evident that there are several interesting species.

At present it is not possible to put a definite name to every specimen in a general collection like this, as the species are spread through several orders and often belong to families or genera which are either undergoing revision, or about which very little is known.

Several of the species also appear to have no close affinities in the Malay Peninsula, and with the exception of a few which are widely distributed throughout the Oriental Region I have made no attempt at specific determinations: further study will doubtless reveal several new races. This paper therefore is only intended to give a rough indication of the insect potentialities of a little island with a fauna hitherto unknown. The island is less than a mile and a half in diameter and is quite flat (except in the middle where there is a small area about 30—40 feet high) and lies some thirty miles to the north-west of Jesselton, British North Borneo.

## ORTHOPTERA

**Blattoidea:** (Three specimens; two species).

*Chorisonneura lativittata* Wlk.

*Neoblattella irregulariter-vittata* Brunner.

**Tettigonoidea:** (Eight specimens; four species).

*Xiphidion maculatum* Le Guill. var.

*Psyra melanonota* Stal. var.

? *Psyra* sp.

*Xiphidiopsis* sp.

**Grylloidea:** (Nine specimens; four species).

*Cardiodactylus* sp.  
*Aphonomorphus* sp.  
*Ornebius* sp.  
*Lebinthus* sp.

### NEUROPTERA

**Myrmeleonidae:** (Two specimens; one species).

*Neuroleon* ? *perniciosus* Wik.

Mr. Nathan Banks who examined this species writes "it agrees fairly well, but may be distinct".

### ISOPTERA

**Termitidae**

One winged specimen, not in good condition.

### HEMIPTERA

**Pentatomidae** (one specimen).

*Glaucias* sp.

**Hydrometridae:** (Twelve specimens; one species).

*Gerris anadyomene* Kirk.

**Cicadidae:** (Six specimens; one species).

*Ayesha spathulata* Stal.

**Fulgoroidea:** (Twenty-eight specimens; six species).

*Mindura* sp.  
*Pochazia obscura* F.  
*Phyllophanta producta* Stal.  
*Delphax* sp.  
*Hemisphaerius* sp. nr. *bipunctatus*.  
*Issid*.

**Jassidae:** (Fifteen specimens; two species).

*Tartessus ferrugineus* Wik.  
*Petaloccephala* sp.

### COLEOPTERA

**Cicindelinae:** (Fourteen specimens; two species).

The two species were determined by Dr. W. Horn:  
*Collyris diardi rufitarsis* Klug.  
*Cicindela tenuipes* Dej.

**Rutelinae:** (Eleven specimens; two species).

*Euchlora* sp.  
*Serica* sp.

**Rhipiceridae:** (Three specimens; two species).

*Callirhipis* sp.

**Buprestidae:** (Three specimens; two species).

*Chrysodema jansonii auroplagiata* Deyr.  
*Chrysodema* n. sp. nr. *dohrni*.

Dr. W. S. Fisher of the United States National Museum examined these beetles and writes as follows:—

One of the specimens of *Chrysodema* from Mangalum island seems to be a new species and I will describe it in my next paper on new species from that region. The other two examples of *Chrysodema* from the same island vary slightly from typical examples of *auroplagiata* described from Borneo, but are not sufficiently different to be considered as a new form. This is a very difficult genus and there seems to be a slight variation in the specimens from the different islands, so it is almost necessary to have a good series from each locality, including both sexes and showing the range of variation, to make accurate identifications".

**Chrysomelidae:** (Fourteen specimens; two species).

*Phytorus* sp.  
*Aulacophora* sp.

**Longicornia:** (Six specimens; three species).

*Dihammus* sp. and two others.

**Curculionidae:** (One specimen).

*Hypomeces squamosus* F.

### LEPIDOPTERA

(HETEROCERA)

**Sphingidae:** (Three specimens; one species).

*Psilogamma menephron* Cr. a dark form.

**Cossidae:** (Two specimens; two species).

**Arctiidae:** (Three specimens; one species).

*Utetheisa lotrix* Cr.

**Noctuidae:** (Twenty-four specimens; ten species).

*Eriopus leucobasis* Hmps.  
*Dinumma* sp.  
*Stictoptera trajiciens* Wik.

*Carea* sp. nr. *obvia* Hmps., described from the Philippine Islands.

*Spiredonia feducia* form *samis* Stoll.

*Achaea serva* F.

Four other species.

**Hypeninae**, etc. (Thirty-five specimens; five species).

*Nodaria* sp.  
*Simplicia* sp.  
 Three others.

**Geometridae**: (Thirty-five specimens; ten species).

*Sabaria* ? *obliquilineata* Warr.  
*Cleora injectaria* Wlk. ? race.  
*Sauris* ? *nigrilinearia* Leech.  
*Ozola concreta* Prt. ? race.  
*Noreia* sp.  
*Scopula* two species.  
*Thalassodes* sp.  
*Hemithea* sp.  
*Comibaena* sp.

**Thyridiidae**: (Three specimens; three species).

*Herimba* sp.  
*Striglina* sp.  
*Rhodoneura* sp.

**Epiploridae**: (One specimen).

*Epiplora* sp.

**Pyralidae**: (One hundred and eighty one specimens; fifteen species).

*Margaronia bivitalis* Guen.  
*M. marinata* F.  
*M. glauculalis* Guen.  
*M. annulata* F.  
*Sylepta iopasalis* Wlk.  
*Hymenia fascialis* Cr.  
*Endotricha mesenterialis* Wlk.  
*Herculia pelagalis* Wlk.  
*Cotachena histricalis* Wlk.  
 ? *Mimistis actiosoides* Hamps.  
 Five other species.

**Tortricidae**: (One specimen).

**Tineina**: (Ten specimens; three species).

**DIPTERA**

**Syrphidae**: (Six specimens; two species).

These two species have been determined by Mr. C. H. Curran as:

*Sphalrophoria javana* Wied.  
*Dissoptera heterothrix* de Meij.

**Bombyliidae**: (One specimen).

*Hyperalonia tantalus* F. var.

Differs from the typical form in that the wings are clear at apex and the band on the third abdominal segment is broken.

**Asilidae**: (Eighteen specimens; three species).

*Promachus* two species.  
*Leptogaster* sp.

**Micropezidae**: (Nineteen specimens; one species).

*Calobata* sp.

**Therevidae**: (Four specimens; one species).

*Thereva* sp.

**Ortaliidae**: (Four specimens; two species).

*Plagiostenopterina aenea* Wd.  
*Scholastes cinctus* Guer.

**Drosophilidae**: (Three specimens; one species).

*Drosophila* sp.

**Anthomyiidae**: (Two specimens; one species).

**Muscidae**: (Two specimens; one species).

**Tachinidae** and **Dexidae**: (Twelve specimens; four species).

**HYMENOPTERA**

**Ichneumonidae**: (Three specimens; one species).

*Henicospilus* sp.

**Scoliidae**: (Three specimens; one species and variety).

*Campsomeris rubromaculata borneana* Cam. and variety.

**Pompilidae**: (Three specimens; one species).

*Hemipepsis* sp.

**Sphegidae**: (Six specimens; one species).

*Notogonia subtessellata* Sm.

**Apidae**: (Two specimens; one species).

*Allodape* sp.

**Formicidae**: (One specimen).

Winged camponotine ant.