NOTES

RECORDS OF COLEOPTERA ASSOCIATED WITH STORED PRODUCTS IN AUSTRALIA

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Abstract

Nineteen species of Coleoptera of the families Carabidae, Staphylinidae, Melyridae, Nitidulidae, Rhizophagidae, Cryptophagidae, Biphyllidae, Lathridiidae and Tenebrionidae are recorded from stored cereals in Australia.

The following records are a result of collections of stored product insects made in various localities in Australia and from export wheat inspected before loading.

Where possible, abundance is indicated using infestation levels defined by Freeman (1948): VF, Very few; F, Few; MN, Moderate numbers; FN, Fair numbers.

Unless otherwise stated collections were made by the author and specimens will be deposited in the Australian National Insect Collection. Authorities for identifications or confirmation of identifications are abbreviated as follows: EBB, E. B. Britton, Division of Entomology, Commonwealth Scientific and Industrial Research Organisation, Canberra; RM, R. Madge, Commonwealth Institute of Entomology, London; EAJD, E. A. J. Duffy, Commonwealth Institute of Entomology, London. Other identifications were made by the author. The abbreviation CDPI is Inspector for the Commonwealth Department of Primary Industry.

Family CARABIDAE

Dromius humeralis Macleay


Notagonum submetallicum (White)


Scopodema spp.


Family STAPHYLINIDAE

Leptacinus batycrus (Gyllenhall)


Oligota sp.

NEW SOUTH WALES: F from paddy residues, paddy storage, Whitton. 1.xi.1966 (det. RM 1968). Large numbers were bred from samples of residue taken from this storage.

Family MELYRIDAE

Acanthocnemis nigricans (Hope)


AUSTRALIAN STORED PRODUCT COLEOPTERA

Family NITIDULIDAE
*Carpophilus pilosellus* Motschulsky

NEW SOUTH WALES: VF from paddy residues, paddy storage, Whitton, 1.xi.1966 (det. RM 1968).

Family RHIZOPHAGIDAE
*Monotoma spinicollis* Aubé

NEW SOUTH WALES: VF from paddy residues, paddy storage, Whitton, 1.xi.1966 (det. RM 1968).

*Monotoma* sp.

NEW SOUTH WALES: F from paddy residues, paddy storage, Whitton, 1.xi.1966 (det. RM 1968).

Family CRYPTOPHAGIDAE
*Cryptophagus laticollis* Lucas

NEW SOUTH WALES: F found in paddy residues, paddy storage, Whitton, 1.xi.1966 (det. RM 1968).

Family BIPHYLLIDAE
*Cryptophilus integer* (Heer)

NEW SOUTH WALES: MN from paddy residues, paddy storage, Whitton, 1.xi.1966 (det. RM 1968).

Family LATHRIDIIDAE
*Cartodere apicalis* (Blackburn)


*Corticariu alutacea* Blackburn


*Holoparamecus caularum* (Aube)

NEW SOUTH WALES: VF from paddy residues, paddy storage, Whitton, 1.xi.1966 (det. RM 1968).

*Holoparamecus depressus* Curtis

NEW SOUTH WALES: F from paddy residues, paddy storage, Whitton, 1.xi.1966 (det. RM 1968). Large numbers were bred from residues taken from this storage and on a medium of crushed wheat and yeast (20:1) on a damp pad at 30°C, 70 per cent. relative humidity.

*Lathridius minusus* (L.)


*Melanophthalma lindensis* (Blackburn)

Family TENEBRIONIDAE

_Blapis sulcata_ Laporte

SOUTH AUSTRALIA: VF found in wheat chaff, wheat silos, Wallaroo, 15.iii.1965 (det. EAJD 1965).

REFERENCE


A NOTE ON CUTICULAR LOBES OF _TETRANYCHUS MARIANAE_ McGregor (ACARINA: TETRANYCHIDAE) FROM PAPUA

By J. J. DAVIS

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A description is given of the cuticular lobes of female _Tetranychus marianae_ McGregor from Papua.

In listing records of species of the genus _Tetranychus_ from Queensland, Davis (1968) described the lobes on the cuticular striae as an aid to the identification of females, but was not able to do this for _T. marianae_ McGregor because of a shortage of suitable material.

The following description is made from female specimens of _T. marianae_ from _Dolichos lablab_ L., Popondetta, Papua, 12.iv.1966 (T. V. Bourke), made available through the courtesy of the late Mr. F. A. Gibson, formerly of the New South Wales Department of Agriculture.

Lobes on the striae between the second and third pairs of dorso-central hysterosomal setae uniformly small, about as long as wide, slightly separated; most lobes fairly acutely pointed, triangular, with a small proportion more rounded and semi-circular; tips of lobes dense, but no basal spot present; lobes elsewhere on the dorsal hysterosoma similar to those described, but on the propodosoma the greater proportion of lobes are rounded rather than triangular; ventral hysterosomal striae lobed as far forward as the first pair of ventral hysterosomal setae; ventral lobes much broader and more rounded and with less dense tips than those on the dorsal striae, wider than long, and ranging from semi-circular to nearly oblong; ventral propodosomal striae not lobed.

These morphological characters should assist in distinguishing females of _T. marianae_ from those of species which are otherwise similar, and may occur on the same host—for example, _T. neocaledonicus_ André.

REFERENCE


AMITERMES PALLIDICEPS, A NEW NAME FOR _A. PALLIDUS_ GAY (ISOPTERA: TERMITIDAE)

By F. J. GAY

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[Manuscript received March 28, 1969]

In my paper “A Contribution to the Systematics of the Genus _Amitermes_ (Isoptera: Termitidae) in Australia”, _Aust. J. Zool._ 1968, 16, 405-457, I described (p. 435, 436) a new species of _Amitermes_ from Western Australia under the name of _A. pallidus_. Dr. A. E. Emerson, in a private communication, has been kind enough to draw my attention to the fact that this name was used in 1932 by Professor S. F. Light, who described a new species from Arizona as _A. pallidus_. Accordingly, I propose that the name _Amitermes pallidus_ Gay (nec Light) be replaced by _Amitermes pallidiceps_ nom. nov.

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