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A short time ago, Mr. T. M. McGregor, of Rockdale, presented to the Trustees, a green male of *Cyclochila australasiae*, Don, ("Green Monday"), and a female of the "Double-drummer," *Thopha saccata*, Amyot, which he had taken *in cop.* last summer, when collecting around Sydney. Numerous instances of insects of distinct species and genera taken in the act of coition, have, from time to time been recorded in the Old World, but this appears to be the first instance of the kind reported from Australia.

Mr. McGregor informs me that when his attention was attracted to these insects, he at first thought he had discovered an unusually large Cicada, and it was not until he had captured them, that he discovered he had secured two Cicadas of distinct genera in the act of coition. These when taken were placed in the cyanide bottle. When captured the female was suspended to a branch, which she had firmly grasped with her legs, whilst the male was hanging head downwards, but grasping his partner round her abdomen. Fig. 1, in the accompanying plate gives a side view of the insects *in cop*.; fig. 2 illustrates the male *Cyclochila australasiae*, and fig. 3, the female, *Thopha saccata*.

The following is a brief list of references bearing on the subject:


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AUSCIALIAN CICADIDAE.—RAINBOW.

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Reuter (O. M.)—Sur l'hybridisation chez les Insectes. _Ent. Tidskr._, i., 1880, pp. 174-177. On Abnormal Pairing in Insects, and the questions arising therefrom. _Oeff. Finsk. Soc._, xxiii., 1881, pp. 1-30. The writer discusses the various instances which have occurred in various orders of Insects of different species, or even different genera, pairing; and also copulation "inter marem."


Rodgers (J. T.)—Results of Copula between two different varieties. _Entomologist_, xxii., 1889, pp. 49-50.

Heyden (L. V.)—Ueber copula verschiedeneartiger Coleopteren. _Deutsche ent. Zeitsch._, 1889, p. 213. Six cases, some between species of different genera.

Weed (C. M.)—Copula between Aphididae of Different Genera. _Insect Life_, iii., 1891, p. 290.


Graves (S.)—Copulation of Argynnis paphia, Linn., and _Thecla quercus_, Linn. _Entomologist_, 1894, p. 269.


Schulz (O.)—Copula between males of _Bombyx quercus_, Linn. _Berl. ent. Zeitsch._, xliv., 1899, S. B., p. 27.
EXPLANATION OF PLATE XI.

Cyclochila australasiæ, Don., and Thophia saccata, Amyot.

Fig. 1. In cap., side view.

1. Male.  

2. Female.

Cyclochila australasiæ, Don.

Thophia saccata, Amyot.