

## CONCERNING THE TYPES OF MIRIDAE DESCRIBED BY A. A. GIRAULT (Hemiptera)<sup>1</sup>

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During my recent visit to the Entomological Branch, Department of Primary Industry, Brisbane, Queensland, Australia, thanks to the courtesy of Dr. A. L. F. Brimblecombe, I had the opportunity to study the mirid types described by A. A. Girault from 1934-1936. Since there has been some controversy about Girault species I am taking this chance to elucidate their correct taxonomic position and synonymy. I wish to acknowledge the assistance of Mr. I. D. Galloy, curator of the collection.

Alexandre Arsene Girault (1884-1941) was born in Annapolis, Maryland and died in Brisbane, Australia, on May 2, 1941. He became a field assistant in the U. S. Bureau of Entomology, then assistant in entomology at the University of Illinois. In 1911 he was employed as an entomologist by the Bureau of Sugar Experiment Stations in Queensland, Australia, where he studied parasitic Hymenoptera and a few Hemiptera. Later, 1917 he was appointed assistant entomologist at the Queensland Department of Agriculture and Stock. Girault wrote 325 papers, from simple notes to descriptions of new genera and species. In the Hemiptera his descriptions are inadequate, reason why the study of his types was desirable.

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The following species of Miridae labeled by Girault are to be found in the above collection.

### Cylapinae

#### FULVIINI

1. *Rhinomiridius bioculatus* Girault, Pamphlet Pub. by author, Brisbane, May 24, 1934.

The type of this genus which do not occur in Australia is lost. Description is not sufficient to recognize the species among other Australian miridae.

### Deraeocorinae

#### SATURNIOMIRINI

2. *Deraeocoris kaupskayna* Girault, a manuscript name represented by 4 specimens (1 male, 3 females).

Lawton, 26.X.1908, on fig leaves. This is probably why Girault in one of his Pamphlets mentioned *ESTUIDOS* (a synonym of *Trillaccus*) as being identical with *DERAEOCORIS*. The species is *Trillaccus nigroruber* Horváth, 1902.

### Phylinae

#### PHYLINI

3. *Ragnus argenteus* Girault, Pamphlet Pub. by author, Sydney, Dec. 34, 1934.

Lectotype female, on Silver wattle, April 1934, A. L. Brimblecombe, Brisbane; paralectotype female, same data as type. This species is a synonym of *Campylomma livida* Reuter, 1884.

4. *Ragmus liebnechti* Girault, Pamphlet, Pub. by author, Brisbane, May, 24, 1934.

Lectotype male, paralectotypes 3 males and 1 nymph, Colton Squares, Galton, Qld. 9.II. 1926, E. Ballard. One of the labels bears the identification as *Ragmus importunitas* Distant (Ballard det.). The species is a synonym of *Campylomma livida* Reuter, 1884. From this label probably Girault applied the generic name of *Ragmus* to these species.

5. *Ragmus pulcher* Girault, Pamphlet Pub. by author, Brisbane, May 24, 1934.

Lectotype female, paralectotypes 2 males Stanhorpe 28.IX.1929, E. Sutton. More specimens were lost on the cartoon. The species is also a synonym of *Campylomma livida* Reuter, 1884.

6. *Ragmus seminigricaput* Girault, Pamphlet Pub. by author, Sydney, Dec. 24, 1934.

Lectotype male, paralectotype 2 females, Indooropoly, August 30, 1934. This species is correct and belongs to *Campylomma* Reuter, 1878.

### Mirinae

#### MIRINI

7. *Lygus gryllus* Girault, Pamphlet, Forward Press ptd. Sydney, 2, 1936.

Lectotype male, at light, Indooropoly, April 14, 1934. Paralectotypes 5 females, 2 males, Indooropoly, on cultivated flowers; April 19, 1934 on Chrysanthemum. The species is a synonym of *Taylorilygus pallidulus* (Blanchard, 1852) a cosmopolitan species.

8. *Paracalocoris semiflavifemur* Girault, Pamphlet Pub. by author, Brisbane, May 24, 1934.

Lectotype male, paralectotype male, Indooropoly, garden, March 11, 1934. The species is a synonym of *Sidnia kinbergi* (Stål).

9. *Capsus marmoratus* Girault, a manuscript name for a species of *Austrocapsus Kirkaldy*, 1901 not yet described, There are 3 females, Qld. N.º 2200, Leg. Wats, Sunnybank, Nov. 1926, D. A. J. Summerville.

10. The type of *Cephalocapsidea stali* Girault, Pamphlet Pub. by author, Brisbane, Queensland, Nov., 20, 1937 also was not found. The genus occurs only in Africa and belongs to the tribe *Phylini*.

### SUMMARY

The author studied the types of mirids described by A. A. Girault from 1934-1936, presently in the *Collection of the Department of Primary Industry, Entomological Branch, Brisbane, Queensland, Australia*. Synonymy is established and lectotypes designated.

### BIBLIOGRAPHY

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