

## On some species of Heteroptera collected in the Madeiran Islands.

By

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Mr. Eric W. Classey submitted to me for identification Heteroptera collected by himself on the Madeiran Islands in 1962 and 1964. Although during the last few years much has been done to enlarge the knowledge of the fauna of Heteroptera of Madeira it is still important to accumulate further or new records for these islands.

The above mentioned material consists of 30 species, of which 5 species form new records for the fauna of Madeira.

I am very grateful to Mr. E. W. Classey for entrusting me with the material for identification and for other invaluable help.

### C O R I X I D A E

#### **Corixa punctata** (Illiger, 1807)

2 ♀♀ and 1 nymph — Madeira: Ribeira de St. Luzia, 24. VIII. 1964.

Distribution of this species is restricted rather to West Palaearctic. New record for Madeira. Only *Corixa affinis affinis* Leach is recorded from Madeira, Canary Islands and Azores.

#### **Sigara (Vermicorixa) lateralis nakurui** Poisson, 1958

14 ♂♂ and 20 ♀♀ — Porto Santo: Ribeira da Serra do Dentro, 23. VI. 1962.

*Sigara lateralis nakurui* Poisson is recorded from Kenya (type-locality), Cape Verde Islands, Canary Islands and Madeira (Lindberg 1961).

### N O T O N E C T I D A E

#### **Anisops debilis canariensis** Noualhier, 1893

1 ♂ — Madeira: S. Roque, 26. VIII. 1964.

Recorded from Canary Islands, Cape Verde Islands, South Morocco and Madeira (Lundblad 1949, Lindberg 1961).

## Veliidae

### **Velia maderensis** Noulhier, 1897

2 nymphs of 2nd and 3rd instar — Madeira: Ribeira de St. Luzia, 26. VIII. 1964.

Endemic species, recorded by Noulhier 1897, Lindberg 1941, 1960 and 1961, Lundblad 1949.

### **Microvelia gracillima azorica** Lindberg, 1941

1 ♀ (apterous) — Madeira: Funchal, Ribeira Seco, 22. VIII. 1964.

7 ♀♀ (apterous) — Madeira: Ribeira de St. Luzia, 26. VIII. 1964.

*Microvelia gracillima azorica* Lindb. recorded only from Azores and Madeira (Lindberg 1941, 1960 and Poisson 1960).

## Nabidae

### **Nabis pseudoferus ibericus** Remane, 1962

2 ♀♀ — Madeira: Ribeira St. Antonio, 23. VIII. 1964.

2 ♂♂ and 4 ♀♀ and 4 nymphs — Madeira: Ribeira de St. Luzia, 26. VIII. 1964.

3 ♂♂ and 2 ♀♀ — Madeira: Ribeira das Calas, 1.100 m, 28. VIII. 1964.

*Nabis pseudoferus ibericus* Remane is distributed through the South West Mediterranean. From Madeira recorded by Remane 1962 (Lindberg 1961).

## Anthocoridae

### **Orius (Orius) maderensis** Reuter, 1884

1 ♀ — Madeira: Gorgulho, 21. VIII. 1964.

1 ♀ — Madeira: Ribeira das Calas, 28. VIII. 1964.

1 ♂ — Madeira: Pico Ruivo, 3. IX. 1964.

Species of Mediterranean distribution, recorded from Madeira by Reuter 1884, China 1938 and Lindberg 1961. Also recorded from the Azores and the Canary Islands.

## Miridae

### **Taylorilygus apicalis** (Fieber, 1861)

1 ♂ and 1 ♀ — Madeira: Ribeira de St. Luzia, 26. VIII. 1964.

Species distributed widely through Mediterranean area and Africa, recorded from Madeira by Lindberg 1961. Recorded from Azores, Canary Islands and Cape Verde Islands also.

### **Orthops basalis** (Costa, 1852)

1 ♀ — Madeira: Ribeira Seco, 21. VIII. 1964.

1 ♂ and 3 ♀♀ — Madeira: Gorgulho, 29. VIII. 1964.

Species of rather West European distribution. New record for Madeira.

### **Stenodema (Stenodema) virens** (Linnaeus, 1767)

3 ♂♂ — Madeira: Ribeira das Calas, 1.100 m, 28. VIII. 1964, swept from *Sarothamnus* spp. and other low-growing plants.

Species of Holarctic distribution. New record for Madeira. Not recorded from the Canary Islands or the Azores.

**Dolichomiris linearis** Reuter, 1882

2 ♂♂ and 4 ♀♀ — Madeira: Gorgulho, 21. VIII. 1964.

1 ♂ — Madeira: Ribeira de St. Luzia, 26. VIII. 1964.

7 ♂♂ and 3 ♀♀ — Madeira: Gorgulho, 29. VIII. 1964.

Species probably of Atlantic distribution, recorded from Madeira by Reuter 1882, China 1938 and Lindberg 1961. Recorded also from Canary Islands and Cape Verde Islands.

**Pilophorus perplexus** Douglas and Scott, 1875

1 ♀ — Madeira: Ribeira das Cales, 1.100 m, 28. VIII. 1964.

Species of Mediterranean distribution. New record for Madeira. This species is not recorded from Canary Island and Azores, however in the Azores there occurs *Pilophorus confusus* (Kbm.).

**Chinacapsus parvus** Wagner, 1961

1 ♂ and 5 ♀♀ — Madeira: Ribeira das Cales, 28. VIII. 1964.

Endemic to Madeira (Wagner 1961 and Lindberg 1961).

Tingidae

**Acalypta parvula** (Fallen, 1807)

1 ♂ (macropterous) — Madeira: Chao das Feiteiras, 28. VIII. 1964, under stones.

1 ♂ (macropterous) and 11 ♀♀ (brachypterous) — Madeira: Paul da Serra, 25. VIII. 1964, under stones.

1 ♂ (brachypterous) — Madeira: Pico Ruivo, 3. IX. 1964.

Species of Eurosiberian distribution with predominant extension in western parts of its distributional area. Recorded from Madeira by China 1938, Lindberg 1960 and 1961.

Lygaeidae

**Nysius (Tropidonysius) contiguus** Walker, 1872

1 ♂ — Madeira: Funchal, 19. VI. 1962.

10 ♂♂ and 10 ♀♀ — Madeira: Funchal, Ribeira Seco, 22. VIII. 1964.

1 ♂ and 3 ♀♀ — Madeira: Ribeira St. Antonio, 22. VIII. 1964.

1 ♂ and 1 ♀ — Madeira: Ribeira de St. Luzia, 26. VIII. 1964.

1 ♂ and 1 ♀ — Madeira: Gorgulho, 29. VIII. 1964.

Endemic species of Madeiran Archipelago recorded by Walker 1872, China 1938 and Lindberg 1961.

**Nysius (Nysius) ericae** (Schilling, 1829)

1 ♀ — Madeira: Gorgulho, 21. VIII. 1962.

Species of Palaearctic distribution. New record for Madeira.

**Nysius (Macroparius) cymoides** (Spinola, 1837)

5 ♂♂ and 9 ♀♀ — Madeira: Gorgulho, 21. VIII. 1964.

1 ♂ — Madeira: Funchal, Ribeira Seco, 22. VIII. 1964.

2 ♂♂ and 2 ♀♀ — Madeira: Ribeira Seco, 23. VIII. 1964.

Species of Mediterranean distribution with northern and eastern extensions, from Madeira recorded by China 1938 and Lindberg 1961. Also recorded from Canary Islands and Cape Verde Islands.

**Kleidocerys truncatulus** (Walker, 1872)

- 1 ♀ — Madeira: Poiso, 1.400 m, 16. VI. 1962.  
48 ♂♂ and 39 ♀♀ — Madeira: Fico Ruivo, 3. IX. 1964.  
12 ♂♂ and 16 ♀♀ — Madeira: Ribeira das Cales, 28. VIII. 1964.

Species recorded from Madeira (Walker 1872, Reuter 1890, Horváth 1898, Noualhier 1897, China 1938, Lindberg 1960 and 1961) and from Canary Islands and Azores.

**Plinthisus (Plinthisus) longicollis** Fieber, 1861

- 1 ♀ — Madeira: Poiso, 1.400 m, 16. VI. 1962.

Species of predominantly West-Mediterranean distribution. New record for Madeira.

**Dieuches schmitzi** Reuter, 1893

- 1 ♀ — Madeira: Poiso, 1.400 m, 16. VI. 1962.  
1 ♂ and 2 nymphs — Madeira: Paul da Serra, 25. VIII. 1964.

Species recorded from Madeira (type-locality) (Reuter 1893, China 1938, Lindberg 1961), Cape Verde Islands, Canary Islands, Arabia, Iran, Iraq and E. Africa. Since this species was described from Madeira (Reuter 1893) it has not again been collected on this island. As late as 1962 and again in 1964 Mr. Eric W. Classey rediscovered this species in two different places on Madeira.

**Scolopostethus maderensis** Reuter, 1881

- 1 ♀ — Madeira: Ribeira das Cales, 28. VI. 1964.

Species recorded only from Madeira and Canary Islands (Reuter 1881, Lindberg 1953 and 1961).

C o r e i d a e

**Haploprocta sulcicornis insularis** Lindberg, 1961

- 1 ♂ — Madeira: Ribeira de St. Luzia, 26. VIII. 1964.

Species of Mediterranean distribution, the subspecies *insularis* Lindberg recorded only from Madeira (Lindberg 1953 and 1961) and from Canary Islands (Lindberg 1953).

**Camptopus lateralis** (Germar, 1817)

- 1 ♀ — Madeira, Gorgulho, 29. VIII. 1964.

Species of Mediterranean distribution with rather northern extension, from Madeira recorded by Walker 1871, China 1938 and Lindberg 1961. Further recorded from Canary Islands.

R h o p a l i d a e

**Stictopleurus pictus** (Fieber, 1861)

- 3 ♂♂ and 4 ♀♀ — Madeira: Ribeira das Cales, 28. VIII. 1964.  
1 ♂ — Madeira: Ribeira St. Antonio, 28. VIII. 1964.

Species of Mediterranean distribution, from Madeira recorded by Lindberg 1961. Recorded from Canary Islands also.

**Brachycarenum tigrinus** (Schilling, 1817)

1♂ — Madeira: Levada dos Moiro, below Bica da Cana, 4,800 ft, August 1964 (R. W. J. Uffen coll.).

Species of Mediterranean distribution with a rather northern extension. From Madeira recorded by Walker 1872, Horváth 1898, China 1938 and Lindberg 1961. Recorded from Canary Islands also.

Pentatomidae

**Sciocoris (Neosciocoris) sideritidis** Wollaston, 1858

1♂ and 2♀♀ — Madeira: Funchal, Ribeira Seco, 22. VIII. 1964.

1♀ — Madeira: Ribeira Seco, 23. VIII. 1964.

Species of West Mediterranean distribution, from Madeira recorded by Wollaston 1858, China 1938, Lindberg 1960 and 1961. Also recorded from Canary Islands.

**Aelia acuminata** (Linnaeus, 1758)

3♀♀ — Madeira: Gorgulho, 29. VIII. 1964.

Common Palaearctic species, recorded from Madeira by Walker 1867, Noualhier 1891, China 1938 and Lindberg 1961.

**Eurydema herbaceum** (Herrich Schaeffer, 1834)

1♂ and 1♀ — Madeira: Paul da Serra, 25. VIII. 1964.

2♀♀ — Madeira: Levada dos Moiro, below Bica da Cana, 4,800 ft, August 1964 (R. W. I. Uffen coll.).

Species of West-Mediterranean distribution, from Madeira recorded by Noualhier 1897 (form *apicale* Noualh.), China 1938 (form *maderensis* China) and Lindberg 1961.

Conclusion

The following species form new records for the fauna of Madeira: *Nysius* (*Nysius*) *ericae* (Schilling), *Plinthisus* (*Plinthisus*) *longicollis* Fieber, *Orthops basalis* (Costa), *Stenodema* (*Stenodema*) *virens* (Linnaeus), *Pilophorus perplexus* Douglas and Scott and *Corixa punctata* (Illiger). *Dieuches schmitzi* Reuter whilst originally described from Madeira over 70 years ago no more specimens have been collected there, until the present records.

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## Appendix

Whilst this paper was in the press I had for identification further specimens of Heteroptera collected by Mr. Eric W. Classey in Madeira in August 1966. 13 species were collected, 2 from them form new records for Madeira.

### Veliidae

#### **Velia maderensis** Noualhier, 1897

17 ♂♂ and 17 ♀♀, 2 nymphs — Madeira: Ribeira da Albiheira, 930 m, 17. VIII. 1966.

### Miridae

#### **Monalocoris parvulus** (Reuter, 1881)

4 ♂♂ and 9 ♀♀ — Madeira: Ribeira Bonito, 21. VIII. 1966.

Endemic species recorded by Reuter 1881, China 1938 and Lindberg 1961.

#### **Dolichomiris linearis** Reuter, 1882

1 ♂ — Madeira: Pico da Cruz, 9. VIII. 1966; 3 ♂♂ — 15. VIII. 1966.

#### **Orthops kalmi** (Linnaeus, 1758)

2 ♂♂ and 1 ♀ — Madeira: Pico da Cruz, 9. VIII. 1966; 1 ♂ — 15. VIII. 1966.

### Lygaeidae

#### **Nysius (Tropidonysius) contiguus** Walker, 1872

1 ♀ — Madeira: Bica da Cana, 10. VIII. 1966.

1 ♂ — Madeira: Pico da Cruz, 15. VIII. 1966.

1 ♀ — Madeira: Ribeira Bonito, 21. VIII. 1966.

#### **Plinthisus** (s. str.) **flavipes** Fieber, 1861

1 ♀ — Madeira: Ribeira Bonito, 21. VIII. 1966.

Species of West-Mediterranean distribution. New record for Madeira.

**Eremocoris maderensis** Wollaston, 1858

2 ♂♂ and 4 ♀♀ — Madeira: Quinta Palheiro, 8. VIII. 1966.

Species recorded only from Madeira (Wollaston 1858, China 1938, Lindberg 1960 and 1961).

**Peritrechus gracilicornis** Puton, 1877

1 ♂ — Madeira: Poiso, 18. VIII. 1966.

Species of Mediterranean distribution, from Madeira recorded by China 1938 and Lindberg 1961.

**Dieuches schmitzi** Reuter, 1893

1 ♂ — Madeira: Funchal, 12. VIII. 1966; 1 ♀ and nymph, 19. VIII. 1966.

Coreidae

**Syromastes rhombeus** f. **quadratus** (Fabricius, 1767)

1 ♀ — Madeira: Poiso, 19. VIII. 1966.

Species of European distribution, form *quadratus* (Fab.) occurring in southern area of its distribution. From Madeira recorded by China 1938 and Lindberg 1961.

**Camptopus lateralis** (Germar, 1817)

2 ♂♂ and 1 ♀ — Madeira: Pico da Ponta St. Cruz, 5. VIII. 1966.

1 ♂ — Madeira: Ribeira da Sta. Luzia, 11. VIII. 1966.

Pentatomidae

**Eurydema ornatum** (Linnaeus, 1758)

6 ♂♂ and 3 ♀♀ — Deserta Grande, 13. VIII. 1966 (Coll. Miss V. Bristowe).

Species of Mediterranean distribution. Recorded from Madeira and Porto Santo (China 1938, Lindberg 1941, 1953 and 1961).

**Acrosternum heegeri** Fieber, 1861

1 ♀ — Madeira: Funchal, 15. VIII. 1966.

Species of Mediterranean distribution. New record for Madeira. From Cape Verde Islands is recorded *Acrosternum insulare* Lindberg and from Canary Islands *Acrosternum rubescens* Noualhier. Single female collected in Funchal, however, belongs to the common Mediterranean species *Acrosternum heegeri* Fieber recorded neither from Canary Islands or Cape Verde Islands.

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