

DERMAPTERA ¹

By W. D. HINCKS ²

Although a large number of Dermaptera were collected by Drs. Brinck and Dahl in both the Azores and in Madeira, only five species are actually represented, many of the specimens being immature stages in various instars. Of these four are cosmopolitan and only a single species, poorly represented in the collection, is an endemic, namely *Perirrhytus edentulus* (Wollaston) from Madeira.

The several endemic species of both groups of islands appear to have become much rarer in recent years, probably as a result of the spread of the cosmopolitan forms and the encroachment of urbanisation and cultivation on their former habitats. It is a well known fact that the earwig fauna of small islands is very meagre, comprising relatively few endemic species. It seems very probable that the very rapid spread of the cosmopolitan species, several of which are actively enlarging their ranges at the present time, could be particularly disastrous on small islands once they have achieved an initial entrance. The great increase in the acreage necessary for local food production or export purposes, erosion due to tree-felling, and similar factors, must have greatly reduced the areas of suitable habitats in the last few decades.

Thanks are due to Professor Per Brinck for the opportunity to examine this copious and carefully collected material.

LABIDURIDAE

CARCINOPHORINAE

Anisolabis maritima (Gené, 1832)

Azores, Faial: Praia do Almoxarife, 31.III.1957, 4 ♀♀, loc. 72.

Azores, Pico: Madalena, Areia Larga, 9.IV.1957, 2 ♀♀, loc. 104.

1) Report No. 18 from the Lund University Expedition in 1957 to the Azores and Madeira.

2) Manchester Museum, Manchester, England.

Madeira: Porto Novo, Ribeira do Porto Novo, 22.IV.1957, 1 ♀, loc. 119.

Euborellia annulipes (Lucas, 1847)

Azores. São Miguel: Ribeira Grande, 27.II.1957, loc. 1; Vila Franca Campo, 28.II.1957, loc. 2; Charco do Madeira, 6 km N of Ponta Delgada, 1.III.1957, loc. 4; São Pópulo, 7.5 km E of Ponta Delgada, 4.III.1957, loc. 10; Caldeira das Sete Cidades, 8.III.1957, loc. 18; at Lagoa das Furnas, 10.III.1957, loc. 22; Valley of Ribeira Quente, 2 km SE Furnas, 11.3.1957, loc. 23; Furnas, park, 11.III.1957, loc. 24; Caldeiras, 5 km SE of Ribeira Grande, 14.III.1957, loc. 28; Relva, tanque da Rocha Quebrada, 15.III.1957, loc. 31; Relva, nascente dos Lagos, 15.III.1957, loc. 32; Fonte at Casas Telhadas, SW of Ribeira Grande, 18.III.1957, loc. 36; Ribeira Seca, W Ribeira Grande, 18.III.1957, loc. 37; Caldeira das Sete Cidades, at Lagoa Azul, 21.III.1957; loc. 50; 1 km W of Ribeira Seca, W of Ribeira Grande, 22.III.1957, loc. 53; Lagoa das Furnas, 24.III.1957, loc. 58; 1.5 km S of Maia, 25.III.1957, loc. 62; 3 km E of Ribeirinha (N coast), 25.III.1957, loc. 63.

Azores, Santa Maria: 3 km NE Vila do Porto, Fonte do Mourato, 19.III.1957, loc. 38; Águas dos Mouros, SE of Pico Alto, 19.III.1957, loc. 43; Aeroporto, 19-20.III.1957, loc. 44,45; 1 km W of Praia, 20.III.1957, loc. 46; Praia, 20.III.1957, loc. 47; Limestone area, 20.III.1957, loc. 48.

Azores, Faial: Horta, Ribeira dos Flamengos, 31.III.1957, loc. 71; Praia do Almoxarife, 31.III.1957, loc. 72; Porto da Boca da Ribeira, 1 km E of Ribeirinha, 1.IV.1957, loc. 74; Horta, coast, Poço No. 2, 2.IV.1957, loc. 82; Flamengos, 3.4.1957, loc. 85.

Azores, Pico: São João, 9.4.1957, loc. 103.

Azores, Flores: Ribeira d'Além da Fazenda, 14.4.1957, loc. 108.

Madeira: Funchal, Ribeiro Seco, 19.4.1957, loc. 111; Faial, at mouth of Ribeira do Faial, 21.4.1957, loc. 116; Santa Cruz, Ribeira da Boaventura, 22.4.1957, loc. 118; Porto Novo, Ribeira do Porto Novo, 22.4.1957, loc. 120; 1 km E of Encumeada, ca. 800 m, 28.4.1957, loc. 135.

LABIDURINAE

Labidura riparia (Pallas, 1773)

Azores, São Miguel: Ribeira Grande, 27.2.1957, loc. 1; Ribeira Seca W Ribeira Grande, 18.3.1957, loc. 37; 1 km W of Ribeira Seca, W of Ribeira Grande, 22.3.1957, loc. 53.

Azores, Terceira: 0.5 km S of Praia da Vitória, 27.3.1957, loc. 69.

Azores, Faial: Horta, Ribeira dos Flamengos, 31.III.1957, loc. 71; 3 km WNW of Pedro Miguel, 5.IV.1957, loc. 92; Horta, Porto Pim, 7.IV.1957, loc. 94.

FORFICULIDAE

Forficula auricularia L., 1758

Azores, São Miguel: Charco da Madeira, 6 km N of Ponta Delgada, 1.III.1957, loc. 4; Sete Cidades, at Lagoa Azul, 2.III.1957, loc. 7; Sete Cidades, at Lagoa Verde, 2.III.1957, loc. 8; Lagoa do Carvão, 7.III.1957, loc. 13; Lagoas Empadadas, 7.III.1957, loc. 14; Caldeira das Sete Cidades, 8.III.1957, loc. 18; at Lagoa das Furnas, 10.III.1957, loc. 22; Valley of Ribeira Quente, 2 km SE of Furnas, 11.III.1957, loc. 23; Furnas, park 11.III.1957, loc. 24; 3 km N of Furnas, heath, 11.III.1957, loc. 25; Relva, tanque da Rocha Quebrada, 15.III.1957, loc. 31; Tanque (pond) 1 km SE Lagoa do Congro, 16.III.1957, loc. 33; Lagoa do Congro, 16.III.1957, loc. 34; Caldeira das Sete Cidades, at Lagoa Azul, 21.III.1957, loc. 50; at Lagoa do Fogo, 22.III.1957, loc. 54; Pico da Azeitona, NE of Ponta da Garça, 23.III.1957, loc. 56; River NW Água Retorta, 23.III.1957, loc. 57; 1.5 km S of Maia, 25.III.1957, loc. 62; 3 km E of Ribeirinha (N coast), 25.III.1957, loc. 63.

Azores, Santa Maria: 2 km ENE Almagreira, 440 m, Miradouro dos Picos, 19.III.1957, loc. 39; Pico Alto, 590 m, 19.III.1957, loc. 40; Pico Alto, 575 m, 19.III.1957, loc. 41.

Azores, Terceira: Caldeira de Guilherme Moniz, 27.III.1957, loc. 65; At Lago do Ginjal, 27.III.1957, 66.

Azores, Faial: Praia do Almoxarife, 31.III.1957, loc. 72; Ribeira das Cabras, 1 km NE of Praia do Norte, 2.IV.1957, loc. 76; Costa da Nau, 3 km NW of Capelo, 4.IV.1957, loc. 88; Pool, 1 km ESE of Cabeço do Fogo, 4.IV.1957, loc. 90; 3 km WNW of Pedro Miguel, 5.IV.1957, loc. 92; Nasce Água, 3 km S of Cedros, 5.IV.1957, loc. 93.

Azores, Pico: Volc. Pico, W side, ca. 900 m, 8.IV.1957, loc. 96; São João, 9.IV.1957, loc. 103.

Madeira: Terreiro da Luta, 850 m, stream, 20.IV.1957, loc. 112; Arieiro Mts., Ribeira das Cales, 1,300 m, 21.IV.1957, loc. 113; Arieiro Mts., ca. 1,700 m, 21.IV.1957, loc. 114; Serra de Água, Powerstation, 600 m, 23.IV.1957, loc. 120; Casa das Queimadas, 880 m, 24.IV.1957, loc. 122;

Ravine near Ribeira das Cales, 1.200 m, 26.IV.1957, loc. 127; Ribeiro Frio, 1.000 m., 8 km SSW of Faial, 26.IV.1957, loc. 128; Ribeiro da Lapa, E of Pico do Serrado, 900 m, 27.IV.1957, loc. 132; Boca da Encumeada, 1.000 m., 28.IV.1957, loc. 134; 1 km E of Encumeada, ca. 800 m, 28.IV.1957, loc. 135; 1 km W of Quinta Grande, 300 m, 28.IV.1957, loc. 136.

Perirrhytus edentulus (Wollaston, 1858)

Madeira: Ribeiro Frio, 860 m, 7 km SW of Faial, 21.IV.1957, 1 ♂, loc. 115; Ravine near Ribeira das Cales, 1.200 m, 26.IV.1957, 1 ♀, 6 nymphs, loc. 127; Ribeiro Frio, 1.000 m, 8 km SSW of Faial, 26.IV.1957, 1 nymph, loc. 128.