

on nectar bearing plants in daylight. *C. candiotes* and *C. truncatus* were also seen in daytime as individual foragers on *Crematogaster* inhabited trees. Their general colour and size blended with the more distasteful *Crematogaster* presumably as a protection from bird predation.

Discussion

Visits to the islands were of short duration but it is evident that ant species occur in rich variety. Chios at the time of visit, September 1988, was completely dried up in the central uplands and Kephallonia at the same time had a large area of central woodland destroyed by recent fires. No doubt more species would have been found in early summer. Karpathos in April 1982, was more fully explored and here the total of 41 species compares with the Balearics (46) (COMIN & FURIO, 1986) and Malta (47) which countries have been extensively collected over a number of years. Earlier records for the Greek islands are scattered in the literature (LEGAKIS, 1983); from lists supplied by Dr A. Legakis, the Dodecanese which includes Karpathos has a total of 56 species and the Ionian islands which include Kephallonia and Zante, 63. In this paper, nomenclature follows AGOSTI and COLLINGWOOD, 1987, but some confusion still remains as to the correct species names in a few genera including *Aphaenogaster*, *Messor*, *Tetramorium* and *Acantholepis*.

Abstract

The Ant fauna (Hymenoptera, Formicidae) of 5 Greek Islands - Santorini, Karpathos, Chios, Kephallonia and Zante is compared. A total of 70 species are listed from brief collecting visits to these islands in 1982, 1986 and 1988. First records for the islands include *Solenopsis geminata* (Fabr.), a subtropical tramp species, *Strongylognathus dalmaticus* Baroni Urbani parasitic on *Tetramorium punicum* and *Bothriomyrmex gibbus* Soudek usually associated with *Tapinoma* species.

Περίληψη

Στη μελέτη αυτή συγκρίνεται η πανίδα των μυρμηγκιών (Υμενόπτερα, Formicidae) 5 ελληνικών νησιών: Σαντορίνη, Κάρπαθος, Χίος, Κεφαλονιά και Ζάκυνθος. Αναφέρονται 70 είδη από σύντομες συλλεκτικές επισκέψεις σε αυτά τα νησιά κατά τα έτη 1982, 1986 και 1988. Πρώτες αναφορές