

Further additions to the ant fauna (Hymenoptera: Formicidae) of Yemen

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Abstract. Ant species and genera collected in Yemen and new to the Arabian fauna include *Dolioponera* sp., *Pachycondyla flavopilosa*, *Probolomyrmex brevisrostris*, *Dicroaspis laevidens*, *Smithistruma emmae*, *Bothriomyrmex* sp., *Camponotus armenius* and *C. robechii*. First descriptions are given of *Tetramorium hirsutum* n. sp. and *Plagiolepis breviscapa* n. sp. Additional species for Yemen include the tramp species *Technomyrmex albipes* and *Tetramorium bicarinatum*.

Kurzfassung. Im Jemen wurden verschiedene Gattungen und Arten von Ameisen gesammelt, die neu für die arabische Fauna sind: *Dolioponera* sp., *Pachycondyla flavopilosa*, *Probolomyrmex brevisrostris*, *Dicroaspis laevidens*, *Smithistruma emmae*, *Bothriomyrmex* sp., *Camponotus armenius* und *C. robechii*. Zwei Arten, *Tetramorium hirsutum* n. sp. und *Plagiolepis breviscapa* n. sp. werden neu beschrieben. *Technomyrmex albipes* und *Tetramorium bicarinatum* wurden im Jemen zum ersten Mal als vom Menschen verschleppte Arten festgestellt.

Key words. Formicidae, ants, Yemen, Arabian Peninsula, Middle East.

Introduction

In the last published paper on the ants of Yemen (COLLINGWOOD & VAN HARTEN 2001) the number of ant species recorded from that country was estimated to be 148. Further material, mostly from Malaise and light traps, was sorted by the junior author (AvH) and queen, male and worker ants were sent for identification to the senior author (CAC). Only new additions to the Yemen fauna are discussed in this paper but reference is also made to a recent revision of the genus *Cardiocondyla* by SEIFERT (2003).

Material and methods

The types of the new species will be deposited in the Liverpool Museum, Liverpool, UK, and other specimens are provisionally retained in the senior author's collection.

Collection localities: Al Kadan: 15°16'N, 43°12'E; Al Kowd: 13°05'N, 45°22'E; Al Qatn: 15°49'N, 48°28'E; Ghail Ba Wazir: 14°46'N, 49°21'E; Khamis Bani Sa'd: 15°11'N, 43°25'E; Lahj: 13°04'N, 44°53'E; 12 km NW of Manakhah: 15°05'N, 43°42'E; Seyun: 15°56'N, 48°46'E; Ta'izz: 13°35'N, 44°02'E; Wadi Kadyut: 16°43'N, 51°20'E.

The following abbreviations are used in the descriptions: TL = total length; HL = head length; HW = head width; PL = petiole length; PW = petiole width; PPW = postpetiole width; ScL = scape length; CI = HW/HL x 100; SI = ScL/HW x 100; Measurements are all in mm.