

On the geometrid moths (Lepidoptera) of northern Cyprus, including three new records

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Abstract. This study reports on a collection of moths belonging to the family Geometridae (Lepidoptera), made in northern Cyprus between 2002 and 2004. Specimens were collected with light traps at 7 localities, and consisted of 47 species belonging to the 35 genera. Three species are new records for the fauna of Cyprus: *Myinodes shohami* Hausmann, 1994, *Culpinia prouti* (Thierry-Mieg, 1913) and *Lithostege palaestinis* Amsel, 1935.

Kurzfassung. In dieser Arbeit wird über eine Sammlung von Nachtfaltern aus der Familie der Geometridae (Lepidoptera) aus Nordzypern berichtet, die zwischen 2002 und 2004 gemacht wurde. Die Tiere wurden mit Lichtfallen an 7 verschiedenen Stellen gefangen; insgesamt wurden 47 Arten aus 35 Gattungen gesammelt. Drei Arten sind neu für die Fauna von Zypern: *Myinodes shohami* Hausmann, 1994, *Culpinia prouti* (Thierry-Mieg, 1913) und *Lithostege palaestinis* Amsel, 1935.

Key words. Lepidoptera, Geometridae, systematics, new records, northern Cyprus.

Introduction

This paper aims to contribute to knowledge of the fauna of the family Geometridae in northern Cyprus. HAUSMANN (1995) had previously reported 103 species, and MÜLLER (2004) collected 55 species in the western part of Cyprus. As a result of our study, 47 species were determined, belonging to 35 genera in five subfamilies: Desmobathrinae, Ennominae, Geometrinae, Larentiinae and Sterrhinae.

Material and methods

Specimens were collected by light traps at various localities in northern Cyprus during 2002–2004, which differed in their elevation, climate, vegetation and geology. The light traps were set up at trial sites and samples were taken every two days between April and October and once a week between November and March. Traps were placed at the following locations: Girne (33°19'N, 35°20'E, 10 m); Akova (33°47'N, 35°15'E, 65 m); Lefke (32°50'N, 35°06'E, 184 m); Dip Karpaz (34°23'N, 35°36'E, 155 m); Yenierenköy (34°10'N, 35°32'E, 100 m); Akdeniz (32°57'N, 35°17'E, 56 m); Dikmen (33°19'N, 35°17'E, 282 m).