Notes on Libyan Carabidae (Insecta: Coleoptera)

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ABSTRACT

This study provides a preliminary faunal survey of Libyan Carabidae. 10 tribes, 16 genera and 22 species were investigated and keys for their determination were developed, 16 species representing 14 genera are recognized for the first time in Libya.

INTRODUCTION

The Carabidae of Libya have been very poorly studied if at all and are known only from two faunal lists. The List made by Damiano (3) gave 5 species and the one by Edwardo (4) gave 97 species. From the existing literature the following points become evident. Firstly, there is no catalogue for the Carabid fauna of Libya, nor is there any key to distinguish the species. Secondly, there is no extensive faunal study.

MATERIALS AND METHODS

This study was initiated in 1979. Areas from Derna in the east to Zwara in the west and Traghen in the South were covered in this study. Specimens were hand collected from leaves, debris and clumps of soil. Underneath stones and the litter in refuse dumps were also searched as well as decaying wood. The specimens were mounted dry on pins and points. Labeling of specimens included scientific names, kind of habitat, localities, date of collection and collector. All species were identified in the museum of the University of Arkansas, U.S.A.

CLASSIFICATION

Several schemes of classification of the Carabidae have been proposed in the past. Ball's Classification seems most clearly to illustrate the known information about the Carabidae at this time. Therfore, I chose to follow closely his classification.

Key to the tribes of Libyan Carabidae:

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	- Middle coxal cavities entirely enclosed by sterna (conjunct). Mesepimeron
	not attaining the middle coxal cavity(3)
2.	Anterior coxal cavities open behind Carabini
	- Anterior coxal cavities closed behind Scaritini
3.	(1) Head with one supraobital setigerous puncture over each eye (4)
	Head with two supraorbital setigerous puncture over each eye
4.	(3) Elytral margin without an internal plica near the apex, antenna with articles
	1-2 with only a ring of long setae toward apex Harpalini
	Elytra margin with an internal plica toward the apex Antenna with articles.
	2-3 with a ring of long setae towards apex Chlaenini
5.	(3) Maxillary palpus with the terminal article small, subulate, about one-third
	the length of the penultimate article Bembidini
	- Maxillary palpus with the terminal article not subulate, usually subequal
	in length to penultimate article
6.	(5) Clypeus with its dorsal suface concave, deflected, meeting labrum at an
	obstuse angle Licinini
	- Clypeus plane, not deflected, meeting labrum in the same plane
7.	(6) Elytron with an internal plica near apical portion of lateral margin
	- Elytron without an internal plica near apical portion of lateral margin (9)
8.	(7) Labial palpus with the penultimate article bisetose if plurisetose, then
	elytron has more than one dorsal puncture Pterostichini
	Labial palpus with the penultimate article plurisetose, elytron without a
	puncture on the disc Amarini
9.	(7) Elytron with apical margin obliquely trauncate or sinuate trauncate
8.5	tarsal claws pectinate
	- Elytron with apical margin not truncate, tarsal claws simple Agonini
	- Liyton with apear margin not trancate, tarsar claws simple

TRIBE CARABINI

Genus Calosoma Webber, 1801 Calosoma marginaley Cassey

TRIBE SCARITINI

Genus Dyschirius Panger, 1813 Dyschirius globulorus Say Genus Scaritis Fabricius, 1801 Scaritis impressus Fabricius

TRIBE BEMBIDINI

Genus Bembidion Latereille, 1802 Bembidion absoorellum Dowlne Bembidion patruele Dejean

TRIBE PTEROSTICHINI

Genus Orthomus Choudoir, 1838 Orthomus herytensis Rich and Sandly

TRIBE AGONINI

Genus Calthus Bonelli, 1810. Calathus fuscipus Goege. Calathus mollis Marchamm

186

Genus	Odontonyx Stepehens, 1827
	Odontonyx puncticollis Lucas
Genus	Pristanychus Dejean, 1828
	Pristanchus demenveni Fairmaire

TRIBE AMARINI

Genus Amara Bonelli, 1810 Amara Pseuodvolva Ali

TRIBE HARPALINI

Genus	Stenolaphus Stemphens, 1827
	Stenolaphus tentanus Schrank
	Stenolsphus irinoviridus Fairmera
Genus	Harpalus Latreille, 1802
	Harphalus tenebrosus Dejean
Genus	Acinopus Latereille, 1829
	Acinopus ambigenus Dejean

TRIBE LICININI

Genus Licinus Latreille, 1802 Licinus punctatulus Fabricus

TRIBE CLOENINI

Genus Chlaenius Bonelli, 1809 Chlotenius velutinus Duftschmidt. Chlotenius Spoliatus Rassi

TRIBE LIBINI

Genus Microlistis schmidt, Goebel, 1846 Microlistis carticalis Dufous Microlistis luctuosus Haldhans Microlistis angustefarcipatus Antoine Genus Cymidis Latreille, 1806 Cymidis retifensis Lucas.

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إشارة عن الخنافس الأرضية (Coleoptera: Carabidae) في ليبيا

عامر كريم



دراسة أولية لتحديد أنواع الخنافس الأرضية الشائعة في ليبيا، تمت دراسـة عشر عشائر وستة عشر جنساً وإثنين وعشرين نوعاً، كما عمل مفتاح تصنيفي لتحديدها. ستة عشر نوعاً تنتمـي إلى أربعة عشر جنساً تمَّ تسجيلها لأول مرة في ليبيا.