

**ACARI (ARACHNIDA) AND ANOPLURA (INSECTA)
COLLECTED ON SMALL MAMMALS, REPTILES AND
INSECTS IN GREECE AND CYPRUS**

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In September 1981, 39 small mammals belonging to four species were caught in Agioi Apostoloi near Kalamos while two *Mus musculus* L. were caught in Nauplion, Greece. From them, 172 specimens of mites belonging to 14 species and 29 specimens of lice belonging to three species were collected. All were collected in Agioi Apostoloi except 4 ♀♀ *Laelaps algericus* H. collected from Nauplion. Moreover, two species of mites were obtained on undetermined Orthoptera and Cerambycidae (Coleoptera) from Agioi Apostoloi, Delfoi and Olympia. One species was obtained on *Acinopus subquadratus* Brull. (Carabidae) from central Greece (Attica). *Hyalomma aegyptium* (L.) was collected from *Testudo* sp. in Delfoi.

In Larnaca, Cyprus, in October 1988, three specimens of *Crocidura* sp. and 15 specimens of *M. musculus* were caught. From them, 29 specimens belonging to 6 species of mites were collected. Moreover, three species of mites were collected from undetermined Orthoptera and *Blaps* sp. (Tenebrionidae) from Larnaca, Agia Napa and Choirokoitia; also one specimen was obtained on *Brosicus nobilis* Dej. (Carabidae) from the collection of the Museum of Natural History, Wroclaw University (table 1).

Three species of lice: *Polyplax antennata* Smet., *P. spinulosa* (Burm.) and *Hoplopleura captiosa* (John.) and twelve species of mites: *Laelaps agilis* Koch, *Echinonyssus sunci* Wang, *Antennoseius masoviae* Sell., *Radfordia lancearia* (Poppe), *Phanolophus oedipodarum* (Frauen.), *Cheladonta costulata* (Willm.), *Euschoengastia bulgarica* Verc.-Gr. & Koleč., *Schoutedenichia krampitzii* (Willm.), *Neotrombicula autumnalis* Shaw, *Eutrombidium* ? *feldmanmuhsamae* Feider, *Xenoryctes krameri* (Mich.) and *Glycyphagus hypuadei* (Koch) are new to fauna of Greece.

Seven species of mites: *Laelaps algericus* Hirst, *Hypoaspis karawaiewi* (Berl.), *A. masoviae*, *Ph. oedipodarum*, *Crocidiurobia blairi* (Radf.), *E.?*

feldmanmuhsamae and *Canestrinia samsinaki* Beron are new to the fauna of Cyprus.

From this material, three new species of mites have been described so far from Greece: *Myobia annae* Haitlinger from *Apodemus mystacinus* Danf., Alst., *Soriculopus lukoschusi* Haitlinger from *A. mystacinus* and *Charletonia tamarae* Haitlinger from undetermined Orthoptera (HAITLINGER, 1984, 1987, 1988).

All specimens (except mites obtained from *Acinopus subquadratus* and *B. nobilis*) were collected by the author.

Notes on some species

Anoplura. *Polyplax antennata* Smetana, 1960. Rare species known to date from Albania; occurs only on *Apodemus mystacinus*.

Acari. *Hypoaspis (Euandrolaelaps) karawaiewi* (Berlese, 1903). Free living species sporadically found on small mammals. They were collected from *M. musculus* and *Crocidura* sp. in Larnaca, Cyprus. Known to date from Israel, German D.R., Poland, Switzerland and USSR (European part, Transcaucasus, Kazakhstan, West Siberia).

Echinonyssus sunci (Wang, 1962). Species known from China, Japan, Nepal, Iran and Europe. According to TENORIO (1984) European and Iranian specimens belong to *E. apodemi* Zuevski. UCHIKAWA (1975) synonymized this with *E. sunci* but according to Tenorio it is groundless.

Antennoseius masoviae Sellnick 1943. Known to date from USSR, Poland, Germany and Israel. Free-living species also occur on some carabids (under the elytra). In Greece (Attica), collected from *Acinopus subquadratus*. In Cyprus found on *B. nobilis*; locality unknown. In Israel, this species was found on *Carabus hemprichi* Dej. (COSTA, 1969). In my material, 1 ♀ was also found on *Acinopus ricipes* from Jerusalem (Israel). *A. subquadratus*, *A. ricipes* and *B. nobilis* are new hosts for this species.

Radfordia lancearia (Poppe, 1909). Rare species living on *Apodemus sylvaticus* and rarely on *A. tauricus*. Known from Bulgaria, Czechoslovakia, Poland, Romania, Spain, West Germany and USSR (Crimea, Astrakhan)

Crocidurobia blairi (Radford, 1939). Species widely distributed, known from Bulgaria, Corsica, England, Poland, USSR (Crimea), Japan, Taiwan. Found by author also on *Crocidura* sp. from Erevan (Armenia), August 1979.

Eutrombidium? feldmannmuhsamae Feider, 1977. This species is known only from Israel (FEIDER, 1977). Features of specimens from Cyprus and Greece are nearer to *E. feldmannmuhsamae* than to *E. trigonum* (Herm.) (according to diagnosis given by Feider). Collected in Agioi Apostoloi, Olympia, Greece

and Larnaca, Choirokoitia, Agia Napa, Cyprus. For the first time collected on Cerambycidae.

Phanolophus oedipodarum (Frauenfeld, 1868). Probably rare species known from Algeria, Italy, Austria and Czechoslovakia. According to SOUTHCOFF (1961), *Smaridia magnifica* Berlese and *Phanolophus nasica* Andre are identical with *P. oedipodarum*. Features of specimens collected in Greece and Cyprus are identical with descriptions given for specimens from above mentioned countries. Collected in Delfoi, Greece and Agia Napa, Cyprus.

Canestrinia samsinaki Beron, 1975. Species described from Bulgaria and known to date only from this country. Collected on *Gnaptor* sp. (Tenebrionidae) (BERON, 1975). *C. samsinaki* is probably connected only with some tenebrionid beetles. Collected in Larnaca.

Summary

This paper reports the findings of 14 species of mites and 3 species of lice collected from Greece and 9 species of mites collected from Cyprus. All were collected from small mammals, reptiles and insects. 3 species of lice and 12 species of mites are new to the fauna of Greece. 7 species of mites are new to the fauna of Cyprus. Three species of mites are new to science.

Περίληψη

Αυτό το άρθρο αναφέρει τις ευρέσεις 14 ειδών ακάρεων και 3 ειδών ανόπλουρων από την Ελλάδα και 9 ειδών ακάρεων από την Κύπρο. Ολα συλλέχθηκαν από μικρά θηλαστικά, ερπετά και έντομα. 3 είδη ανόπλουρων και 12 είδη ακάρεων είναι νέα για την Ελλάδα. 7 είδη ακάρεων είναι νέα για την Κύπρο. Τρία είδη ακάρεων είναι νέα για την επιστήμη.

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	Apm	Aps	Mm	Rn	Tes	Acs	Cer	Orth	Mm	Cro	Bl	Bn	Orth
<i>Schoutedeni- chia krampitzi</i> (Willm.)	4 l												
<i>Cordiseta</i> sp.									11 l	1 l			
<i>Neotrombicula autumnalis</i> (Shaw)	8 l		1 l										
<i>Eutrombidium</i> ? <i>feldmanmuhsamae</i> Feid.							1 l	3 l					10 l
Leuwoenhoekiidae										1 l			
Astigmata													
<i>Canestrinia samsinaki</i> Ber.											11 ♀♀		
<i>Xenoryctes krameri</i> (Mich.)	1 d										3 ♂♂		
<i>Glycyphagus hypuadei</i> (Koch)	54 d		4 d										
Ixodida													
<i>Haemaphysalis concinna</i> Koch	2 n	1 l											
<i>Hyalomma aegyptium</i> (L.)					1 ♂								
<i>Hyalomma</i> sp.	2 l				2 n								
<i>Rhipicephalus ? turanica</i> Pom.			2 n										

l.- larvae, p. - protonymph, tr.- tritonymph, n.- nymph