

Aleurodidea, Aphidoidea and Coccoidea) Although all of these groups are very harmful to agricultural crops, only the important Coccoidea species are studied (about 80 species). However, Sternorrhyncha are also a difficult group taxonomically and the number of species likely to occur in Greece is estimated as 400 - 500 species.

Six years ago, the author, together with colleagues from the Universities of Marburg (W. Germany) and Wageningen (Holland), started extensive investigations on the Hemipterofauna of Greece (Heteroptera and Homoptera - Auchenorrhyncha). All our material collected until now is estimated as about 800 Heteroptera species and 900 Auchenorrhyncha species. We started publishing our results for each family.

Except for some Psylloidea species, we did not deal with the Sternorrhyncha series, although they are also a very important group.

Conclusively, Hemiptera are represented in Greece by over 2500 species and representative material should sometime be deposi-

ted in a collection or a museum in Greece.

## Review of the Rhynchota in Turkey

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By the virtue of its bridge between Europe and Asia as well as its proximity to Arabia through with which contact to Africa, one can find species three continents in Turkey. For this reason, Turkey always attracted by insect collectors which many of them visited to this country periodically. As a result of this a number of taxonomic papers have been published here and there, and these are far from completion. Therefore, we feel that this completion should be done sooner or later and the authors have started to study on this group since 1969 and will continue until accomplishing not only this very large group but as well as the other groups of insects. This means that this study will continue for ever

and will certainly yield many more species in future.

The aim of this summarized paper is to provide systematic compilation of information about hemipterous (except Aphidoidea and Coccoidea) fauna of Turkey and to show how far we went ahead. This list includes all identified species which collected virtually from all over Turkey under the project of insect survey is being carried out by the Plant Protection Department, Faculty of Agriculture, University of Ege, Izmir since 1969. They are deposited in our Department as well as Plant Protection Institute in Ankara (only Auchenorrhyncha).

**General aspect of Hemipterous fauna of Turkey**

<i>Family</i>	<i>Genus</i>	<i>Species</i>	<i>New Species</i>
<b>HETEROPTERA</b>			
Nepidae	2	2	-
Belostomatidae	1	1	-
Naucoridae	3	3	-
Pleidae	1	1	-
Notonectidae	1	4	-
Corixidae	9	17	-
Leptopodidae	2	1	-
Saldidae	4	11	-
Hebridae	1	1	-
Mesoveliidae	1	1	-
Hydrometridae	1	1	-
Veliidae	2	3	-
Gerridae	1	7	-
Dipsocoridae	1	1	-
Cimicidae	1	1	-
**Anthocoridae	10	34	-
**Isometopidae	1	3	1
* Miridae	142	514	17
Nabidae	4	15	-
Enicocephalidae	1	1	-
Pachynomidae	1	1	-
**Reduviidae	17	54	-
Phymatidae	1	1	-
**Tingidae	18	80	2
Aradidae	3	10	-
Piesmatidae	1	5	-
* Lygaeidae	59	125	2
Berytidae	6	15	-
**Stenocephalidae	1	5	-
Pyrrhocoridae	2	3	-
**Coreidae	14	30	-
**Alydidae	2	5	-
**Rhopalidae	11	22	-
**Acanthosomatidae	4	6	-
*Scutelleridae	7	29	-
* Pentatomidae	55	159	12
Cydnidae	10	32	-
Plataspidae	1	5	1
TOTAL	402	1209	35

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**AUCHENORRYNCHA**

**Cixiidae	10	28	3
**Delphacidae	24	34	1
**Meenoplidae	1	1	-
**Derbidae	1	2	1
**Achilidae	2	3	-
**Dictyopharidae	5	14	1
**Tettigometridae	4	18	-
**Issidae	15	48	19
**Flatidae	1	2	-
**Ricaniidae	1	2	1
**Cicadidae	9	21	2
**Cercopidae	9	20	-
**Membracidae	4	4	-
* Cicadellidae	64	154	9
TOTAL	150	350	37

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**PSYLLOIDEA**

**Aphalaridae	6	13	2
**Psyllidae	8	17	3
**Carsidaridae	1	2	-
**Trioizidae	4	7	1
TOTAL	19	39	6

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\* Partly published.

\*\* Published.

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## What do we know about the Auchenorrhyncha fauna of Lebanon?

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Extensive studies by many authors of the Homoptera Auchenorrhyncha fauna in the Middle East area (including Turkey, Cyprus, Irak and Egypt) during the past 80 years have ended up to the description of about 600-700 species. In this geographical range, Lebanon is considered as a "blank spot" with a record of only a dozen species of Auchenorrhyncha, that number being in contradiction with the extreme variety of biotopes and microclimates of this 10400 km<sup>2</sup> country. From the north-south orientation of the mountain chains and their high elevation (max. 3080m), combined with a coastal zone on the 35<sup>o</sup> parallel, one could expect that the following characteristics should be found in this geographical area:

- Relict species on the high mountains?
- Speciation due to the "insularisation" phenomenon (Mount Lebanon being like an island in the eremic surrounding area);

- Simultaneous presence of ponto-mediterranean and african species;

Intensive collecting made by the author during the past few years have partly confirmed these hypothesis. About a hundred species were collected among which the following: *Youngiada pandellei* (Lethierry, 1878) (sensu Ribaut (1936), which was considered as a western palaeartic species; *Chunrocerus balcanicus* (Horvath, 1903), a ponto-mediterranean species previously known only from the Balkans and Turkey; *Remanodelphax cedroni* Drosopoulos, 1982 (det. M. Asche) which was considered as an endemic species of Greece; *Jacobiasca lybica* (Bergevin et Zanon), an african species which northern limit is found in Lebanon and in Spain.

It is expected that a minimum of 250 species should be found in this very peculiar geographical area.