

Heteroptera fauna collected by light traps in some districts of northwestern part of Anatolia

F. Önder*

A. Ünal**

E. Ünal***

Summary

This study deals with Heteroptera fauna collected by light traps during 1977-1980 period. Using by this method, 155 species of 15 families of Heteroptera have been found, from which 18 of them are new records for Turkey and these are shown as bellow : *Chartoscirta cincta* (H. - S.) (Saldidae); *Pygolampis bidentata* (Gz.) (Reduviidae); *Holcocranum* sp. nr. *saturejæ* (Klt.), *Pachybrachius capitatus* (Hv.) (Lygaeidae); *Deraeocoris ventralis* Rt., *Macrotylus solitarius* (M. - D.), *M. horvathi* Rt., *Ectagela guttata* Schm., *Phylus melanocephalus* (L.) *Psallus variabilis* (Fr.), *Macrolophus glaucescens* Fb., *Stethoconus cyrtopeltis* (Fl.), *Orthotylus tenellus* (Fn.), *O. viridinervis* (Kbm.), *Blepharidopterus dubius* Wgn., *Stenodema sericans* (Fb.), *Polymerus asperulae* Fb. and *Agnocoris rubicundus* (Fn.) (Miridae).

Introduction

Using the light traps always gives some satisfactory results for collecting many insects including the rarest ones. This method was firstly used by Hoberlandt (1961) in Turkey (Ankara). Recently for the Heteroptera fauna of Diyarbakır it was also used by Önder and Adıgüzel (1978).

Now, in this study, the northwestern part of Anatolia has been chosen as an examining area of Heteropterous insects by light traps.

* University of Ege, Faculty of Agriculture, Department of Entomology and Agricultural Zoology, Izmir, Turkey.

** Institutes of Monopole. Department of Plant Protection, Cevizli, Istanbul, Turkey.

*** Regional Plant Protection Research Institute, Erenköy, İstanbul, Turkey.

Material and Method

This study carried out in five cities of some districts in northwestern part of Anatolia from May through November, 1977. Apart from this in İstanbul (Kartal - Cevizli) this research continued up to November, 1980.

In this study, the light traps located in nine villages which are shown as below :

City	Town	Village
İstanbul	Kartal	Cevizli
Kocaeli	Karamürsel	Yalakdere
Bursa	Centrum	Doğanköy
	M. Kemalpaşa	Ali Seydi
	İnegöl	Süpürtü
Sakarya	Geyve	Sarıgazi
	Hendek	Kargalıhanbaba
	Adapazarı	Ormanköy (Yağbasan)
Bolu	Düzce	Çilimli

The used traps were equipped with a single 100 w electric lamp and attached 1,5 m above the ground. These were operated continuously by the the junior authors. All the trapped insects were mounted and labelled and only heteropterous specimens were sent to the senior author for identification.

Results

The obtained results from these studies are presented as below. Facilities for understanding, the localities are shown as town or city levels. And the total number of the collected specimens from each locality are shown in brackets.

CORIXIDAE

Micronecta vitticeps (Hv.)

Hendek (1). This single specimen has been trapped at the end of July.

Heliocorisa vermiculata (Pt.)

M. Kemalpaşa - from the beginning of May to the end of June (5);
Karamürsel - in August (2).

Hesperocorixa linnei (Tb.)

Düzce - in June (1); Bursa - from May to July (6); İnegöl - in June (1); M. Kemalpaşa - in June (3); Adapazarı - from the beginning of May to August (4).

H. parallela (Fb.)

Adapazarı - from June to August (6); Hendek - from June to August (1).

Sigara nigrolineata (Fb.)

Düzce - July to August (24); Bursa - May to July (8); İnegöl - May to August (18); M. Kemalpaşa - in June (2); Kartal - in June (1); Karamürsel - June to August (4); Adapazarı - June to August (69); Hendek - June to August (29).

SALDIDAE

Chartoscirta cincta (H. - S.)

Karamürsel (1). This single specimen has been collected in July. This species a new record for Turkey.

Saldula opacula (Zett.)

İnegöl - June to July (3).

S. arenicola (Sch.)

Bursa - June to July (30); İnegöl - July to September (4); M. Kemalpaşa - in June (1); Hendek - in August (1).

VELIIDAE

Microvelia pygmaea (Df.)

Bursa - in August (1); Adapazarı - in July (1).

ANTHOCORIDAE

Orius minutus (L.)

İnegöl - in June (1); Adapazarı - in September (5).

Lyctocoris dimidiatus (Spin.)

Bursa - in July (5); July to August (14); M. Kemalpaşa - in September (1); Karamürsel - July to September (7); Adapazarı - in August (2).

ISOMETOPIDAE

Isometopus intrusus (H. - S.)

İnegöl - in May (1); M. Kemalpaşa - in June (2).

MIRIDAE

Deraeocoris ventralis Rt.

Karamürsel - in June (5); Adapazarı - in September (1).

D. rutilus (H. - S.)

Bursa - May to June (3); M. Kemalpaşa - in June (4); Kartal - May to June (5); Karamürsel - in June (2); Geyve - in June (1).

D. trifasciatus (L.)

Düzce - in June (3); Hendek - in June (2).

D. ruber (L.)

Düzce - in June (12); Geyve - in June (1).

D. lutescens (Schl.)

M. Kemalpaşa - in September (1); Karamürsel - in August (1); Adapazarı - in August (2); Hendek - in July (1).

D. serenus (D. Sc.)

Düzce - June to September (57); Bursa - June to August (119); İnegöl - May to September (73); M. Kemalpaşa - in June (5); Kartal - June to October (53); Karamürsel - June to July (18); Adapazarı - July to August (6); Hendek - June to July (20).

Macrotylus solitarius (M. - D.)

Bursa - June to July (3); M. Kemalpaşa - in June (4); Karamürsel - June to July (8). This species was not known up to date from Turkey.

M. horvathi Rt.

Bursa - June to July (17); İnegöl - June to July (7); M. Kemalpaşa - in June (2); Karamürsel - June to July (14); Adapazarı - August to September (4); Geyve - in June (2). This species constitutes a new record for Turkey.

Oncotylus setulosus (H. - S.)

Geyve - in June (1).

Oncotylus viridiflavus (Gz.)

İnegöl - in July (2); M. Kemalpaşa - in June (1); Geyve - in July (1).

Amblytylus concolor Jak.

Düzce - in June (1).

A. nasutus (Kbm.)

Bursa - in June (2); İnegöl - May to July (6); M. Kemalpaşa - in June (2); Karamürsel - in June (1); Adapazarı - in June (1).

Utopnia torquata (Pt.)

İnegöl - May to September (23).

Ectagela guttata Schm.

Geyve - June to July (7). This species is a new record for Turkey.

Megalocoleus molliculus (Fn.)

Düzce - June to August (6); Bursa - May to July (8); İnegöl - May to September (36); M. Kemalpaşa - May to June (7); Kartal - in June (2); Karamürsel - in June (1); Adapazarı - in September (1); Geyve - June to July (3); Hendek - in June (4).

Phylus melanocephalus (L.)

Düzce - in June (1); İnegöl - in September (1); M. Kemalpaşa - May to June (3). New for Turkish fauna.

P. coryli (L.)

Düzce - June to July (10); M. Kemalpaşa - in June (1); Adapazarı - in July (1); Geyve - in June (2); Hendek - in June (1).

Nanopsallus carduellus (Hv.)

Bursa - in July (1); May to September (11); Kartal - in June (1).

Psallus kolenatii (Flor)

Kartal - May to June (12).

Psallus seidenstueckeri Wgn.

Bursa - in July (1); İnegöl - in May (1); M. Kemalpaşa - in June (1);
Kartal - June to August (94); Hendek - June to July (2).

P. ancorifer (Fb.)

M. Kemalpaşa - in June (1); Karamürsel - in June (2); Adapazarı -
June to September (2); Geyve - June to July (4).

P. variabilis (Fr.)

İnegöl - June to September (7). New for Turkish fauna.

P. quercus (Kbm.)

Karamürsel - in June (1); Geyve - in June (1).

P. varians (H. - S.)

İnegöl - May to July (4); M. Kemalpaşa - May to June (3); Karamürsel -
in June (2); Adapazarı - July to September (2).

Plagiognathus bipunctatus Rt.

Düzce - June to August (9); Bursa - June to August (42); İnegöl - May
to September (126); M. Kemalpaşa - May to June (14); Kartal - in June (1);
Karamürsel - June to August (45); Adapazarı - June to September (7).

P. chrysanthemi (W)

Düzce - in June (2); Bursa - in July (1); İnegöl - May to September (21);
M. Kemalpaşa - in June (2); Karamürsel - June to July (18); Adapazarı -
June to August (6); Geyve - June to July (15); Hendek - in July (1).

P. fulvipennis (Kbm.)

Düzce - in June (9); Bursa - June to July (11); İnegöl - May to Septem-
ber (26); M. Kemalpaşa - in June (5); Kartal - May to June (8); Karamür-
sel - June to July (21); Adapazarı - July to September (7); Geyve - June to
July (15); Hendek - June to July (11).

Atomoscelis onustus Fb.

İnegöl - June to September (26); Adapazarı - in July (1); Hendek - in June (1).

Campylomma nicolasi (Pt. Rt.)

Bursa - July to September (15); İnegöl - July to September (8); M. Kemalpaşa - in May (1); Karamürsel - in July (1); Adapazarı - in August (1).

C. verbasci (M. - D.)

Düzce - in June (1); Bursa - July to August (2); M. Kemalpaşa - in June (1); Adapazarı - in July (1).

C. diversicornis Rt.

Bursa - June to August (6); İnegöl - June to July (7); Karamürsel - in June (1); Hendek - in July (1).

Sthenarus roseri (H. - S.)

İnegöl - in June (1); Karamürsel - in June (1).

S. ocularis (M. - R.)

Karamürsel - in June (3).

Tuponia lethierryi Rt.

Kartal - in June (1).

T. carayoni Wgn.

Düzce - in June (1); Bursa - June to July (35); Karamürsel - June to July (3).

T. dalmatina Wgn.

İnegöl - July to September (2); Kartal - in September (2); Karamürsel - in June (1); Adapazarı - in August (1).

T. hippophaes (Fb.)

Kartal - July to August (2).

Asthenarius collaris Wgn.

M. Kemalpaşa - in May (1); Kartal - in May (2).

Compsidolon salicellum (H. - S.)

Düzce - in June (1); Adapazarı - June to August (19); Geyve - in June (1); Hendek - in June (1).

Mimocoris rugicollis (C.)

Bursa - in July (1); Geyve - in June (1) .

Plagiorrhama suturalis (H. - S.)

Kartal - in June (2).

Macrolophus costalis Fb.

Düzce - in June (7); Bursa - in July (11); İnegöl - May to September (78); M. Kemalpaşa - June to July (6); Kartal - May to September (11); Karamürsel - June to September (17); Adapazarı - July to August (8); Geyve - June to July (7); Hendek - June to July (5).

M. caliginosus Wgn.

Bursa - in July (2); İnegöl - July to August (3); M. Kemalpaşa - May to June (2); Kartal - in July (1); Karamürsel - July to August (8); Adapazarı - in August (1).

M. nubilus (H. - S.)

Düzce - June to August (5); Bursa - May to August (49); İnegöl - May to September (305); M. Kemalpaşa - May to September (78); Kartal - May to October (79); Karamürsel - June to September (147); Adapazarı - June to September (25); Geyve - June to July (4).

M. glaucescens Fb.

Bursa - June to July (10); İnegöl - May to August (40).

This species is a new record for Turkey.

Dicyphus errans (W.)

Düzce - June to August (10); Bursa - May to August (15); İnegöl - May to September (31); M. Kemalpaşa - in June (2); Kartal - May to October

(44); Karamürsel - June to August (7); Adapazarı - June to September (92); Hendek - in August (1).

D. albonasutus Wgn.

İnegöl - in July (10).

Stethoconus cyrtopeltis (Fl.)

Bursa - in July (1); Adapazarı - in June (2).

This species constitutes a new record of Turkey.

Pilophorus cinnamopterus (Kbm.)

Kartal - in June (1).

P. pusillus Rt.

İnegöl - in June (1); M. Kemalpaşa - in June (5).

Orthocephalus saltator (H.)

İnegöl - in September (1).

Brachynotocoris puncticornis Rt.

Adapazarı - July to August (3).

Reuteria marqueti Pt.

Bursa - in July (2).

Orthotylus marginalis Rt.

Düzce - in June (1); İnegöl - in July (1); Karamürsel - in June (1).

O. tenellus (Fn.)

Düzce - in August (1); Kartal - in June (1).

New for Turkish fauna.

O. nassatus (F.)

Düzce - in July (3); Bursa - in July (3); İnegöl - June to September (24); M. Kemalpaşa - in June (8); Kartal - May to July (30); Karamürsel - June to July (10); Adapazarı - August to September (2); June to July (6); Hendek - in June (1).

O. viridinervis (Kbm.)

Düzce - June to July (3); Bursa - in July (2); İnegöl - May to June (2); Karamürsel - June to July (3); Hendek - June to July (4).

This is recorded for the first time in Turkey.

O. flavosparsus C. Sb.

Düzce - June to September (32); Bursa - July to September (12); İnegöl - May to September (42); Kartal - July to September (4); Karamürsel - June to August (4); Adapazarı - June to September (69); Geyve - June to August (20).

Orthotylus virescens (D. Sc.)

Düzce - in June (1); Bursa - in July (3); İnegöl - June to July (3); M. Kemalpaşa - in June (2); Karamürsel - July to August (3); Hendek - June to August (3).

O. beieri Wgn.

Düzce - in August (3); Kartal - May to August (7).

O. moncreaffi (D. Sc.)

Düzce - in August (1); İnegöl - June to September (20); Kartal - in June (1); Adapazarı - June to September (2); Hendek - in July (1).

Globiceps sordidus Rt.

Düzce - in June (4); İnegöl - June to July (2); M. Kemalpaşa - in June (3); Kartal - in June (2) .

Pseudoloxops coccinea (M. - D.)

Kartal - in June (1).

Malacocoris chlorizans (Pz.)

M. Kemalpaşa - in June (1); Kartal - in August (1); Adapazarı - July to August (2).

Cyllocoris histrionicus (L.)

İnegöl - in July (1).

Blepharidopterus dubius Wgn.

Düzce - in July (1); Karamürsel - in July (1); Hendek - in July (1).

This species is a new record for Turkey.

Stenodema calcaratum (Fn.)

Bursa - July to August (2); İnegöl - in July (1); M. Kemalpaşa - in May (1); Adapazarı - June to August (3).

S. virens (L.)

Düzce - July to August (14); Bursa - July to August (17); İnegöl - June to August (27); Kartal - in August (1); Karamürsel - July to August (4); Adapazarı - June to August (32); Hendek - July to August (4).

S. laevigatum (L.)

İnegöl - in August (2).

S. sericans (Fb.)

Düzce - in August (8); Bursa - in July (5); İnegöl - June to August (4); M. Kemalpaşa - May to September (4); Kartal - July to August (3); Karamürsel - in August (3); Adapazarı - in August (2).

New for Turkish fauna.

Trigonotylus pulchellus (H.)

Düzce - July to September (7); Bursa - July to August (16); İnegöl - July to September (6); M. Kemalpaşa - in June (2); Kartal - June to August (15); Adapazarı - June to August (2).

T. ruficornis (G.)

Düzce - June to September (53); Bursa - May to August (21); İnegöl - May to September (85); M. Kemalpaşa - May to June (18); Kartal - June to September (55); Karamürsel - in August (1); Adapazarı - June to September (55); Hendek - June to August (7).

Miridius quadrivirgatus (C.)

Bursa - June to July (11); M. Kemalpaşa - in June (1); Kartal - in July (1).

Phytocoris parvulus Rt.

Bursa - in August (1); Kartal - in June (1); Karamürsel - in July (1).

Phytocoris chardoni Pt.

Karamürsel - in September (1); Geyve - in July (1).

P. ulmi (L.)

İnegöl - in July (1); Adapazarı - in July (1).

P. austriacus Wgn.

Kartal - in June (1); Karamürsel - in September (2).

P. seidenstückkeri Wgn.

Düzce - July to September (7); Bursa - June to July (79); İnegöl - May to September (22); M. Kemalpaşa - in June (30); Kartal - June to July (20); Adapazarı - June to July (7); Geyve - June to July (5); Hendek - June to August (60).

Adelphocoris seticornis (F.)

Düzce - June to July (3); İnegöl - June to July (4); M. Kemalpaşa - June to July (4); Adapazarı - July to August (3); Hendek - in July (1).

A. bimaculicollis Ld.

Kartal - in June (1).

A. vandalicus (R.)

Düzce - in July (1); Bursa - June to August (12); İnegöl - May to September (12); M. Kemalpaşa - in June (1); Karamürsel - June to September (9); Geyve - in June (1).

A. lineolatus (Gz.)

Düzce - June to September (189); Bursa - May to August (95); İnegöl - May to September (128); M. Kemalpaşa - May to June (12); Kartal - June to July (13); Karamürsel - June to July (18); Adapazarı - June to September (26); Geyve - June to July (18); Hendek - June to August (46).

Calocoris nemoralis (F.)

Bursa - in May (1).

C. norvegicus (Gml.)

Kartal - in June (1).

C. quadripunctatus (Vill.)

Bursa - in May (1).

C. annulus (Br.)

Bursa - in May (1); M. Kemalpaşa - in May (1).

Poecilnotus picturatus Rt.

İnegöl - in September (1).

Brachycoleus steini Rt.

Bursa - May to June (3).

Stenotus binotatus (F.)

İnegöl - in May (1); Kartal - May to June (27); Adapazarı - June to September (5); Geyve - June to July (3); Hendek - in June (1).

Saundersiella moerens (Rt.)

Adapazarı - in June (1).

Liocoris tripustulatus (F.)

İnegöl - in July (1); Geyve - in June (1).

Exolygus rugulipennis Pop.

Düzce - June to August (206); Bursa - May to July (18); İnegöl - May to September (100); M. Kemalpaşa - May to June (24); Kartal - May to June (7); Karamürsel - June to July (10); Adapazarı - June to August (10); Hendek - June to July (11).

E. pratensis (L.)

Düzce - June to September (291); Bursa - June to August (35); İnegöl - May to September (94); M. Kemalpaşa - May to June (46); Kartal - May to October (81); Karamürsel - June to August (13); Adapazarı - June to August (12); Geyve - June to July (11); Hendek - June to August (10).

Polymerus asperulae Fb.

Bursa - in June (1); İnegöl - in May (1); M. Kemalpaşa - in May (3).
This species constitutes a new record for Turkey.

P. unifasciatus (F.)

Düzce - June to July (10); M. Kemalpaşa - in June (1); Adapazarı - in September (1); Geyve - in June (1).

P. vulneratus (Pz.)

Düzce - in June (1); İnegöl - July to September (3); Geyve - in June (1).

P. cognatus (Fb.)

Düzce - in August (1); Bursa - in July (4); İnegöl - in September (1); M. Kemalpaşa - in May (1); Kartal - in May (1); Karamürsel - in August (1); Adapazarı - August to September (2).

Charagochilus gyllenhali (Fn.)

Düzce - June to August (6); Bursa - in July (2); İnegöl - June to September (13); Kartal - in August (1); Karamürsel - in July (1); Adapazarı - June to September (10); Hendek - June to July (2).

Orthops kalmi (L.)

Düzce - June to September (53); Bursa - May to August (54); İnegöl - May to September (62); M. Kemalpaşa - May to June (15); Kartal - June to September (9); Karamürsel - June to August (16); Adapazarı - June to September (10); Geyve - June to July (3); Hendek - June to July (17).

Orthops campestris (L.)

Düzce - June to September (6); Bursa - June to August (16); İnegöl - June to September (3); M. Kemalpaşa - in May (1); Kartal - in June (5); Karamürsel - June to August (6); Adapazarı - August to September (2); Geyve - in June (1); Hendek - in June (1).

Agnocoris rubicundus (Fn.)

Bursa - in July (2); Karamürsel - in June (1).
This a new record for Turkey.

NABIDAE

Nabis psedudoferus Rm.

Düzce - June to July (48); Bursa - June to July (82); İnegöl - May to September (45); M. Kemalpaşa - in June (87); Kartal - June to August (22); Karamürsel - June to August (20); Adapazarı - June to September (47); Geyve - June to July (7); Hendek - in June (3).

N. rugosus (L.)

M. Kemalpaşa - in June (19); Kartal - June to August (27).

REDUVIIDAE

Pirates hybridus (Scop.)

Bursa - in August (2); Karamürsel - in August (2).

Reduvius personatus (L.)

Düzce - in June (1); Bursa - June to August (11); İnegöl - May to August (36); M. Kemalpaşa - May to September (5); Kartal - in June (1); Karamürsel - June to August (16); Adapazarı - June to July (3); Geyve - June to July (2).

Pygolampis bidentata (Gz.)

Adapazarı - in August (1).

This species constitutes a new record for Turkey.

Oncocephalus acutangulus Rt.

Bursa - June to July (8); M. Kemalpaşa - in June (1); Kartal - in October (3); Karamürsel - in June (2).

O. pugnax Hv.

Kartal - in October (1); Adapazarı - September (1).

O. squalidus (R.)

Düzce - in September (2); Bursa - May to July (281); İnegöl - May to September (100); M. Kemalpaşa - in June (3); Karamürsel - June to July (8); Adapazarı - in September (12); Geyve - June to July (32).

TINGIDAE

Dictyla putoni (Mtd.)

Karamürsel - July to September (2).

D. echii (Schr.)

Karamürsel - in June (1).

LYGAEIDAE

Melanocoryphus albomaculatus (Gz.)

Adapazarı - in September (1).

Nysius cymoides Spin.

Bursa - July to September (3); İnegöl - in July (1); Kartal - June to October (3).

N. graminicola (Klt.)

Bursa - July to August (7); M. Kemalpaşa - in June (1); Kartal - June to August (6); Adapazarı - in August (2).

N. senecionis (Schl.)

Bursa - June to September (41); İnegöl - June to September (9); Kartal - June to July (6); Karamürsel - July to September (6); Adapazarı - July to September (5).

Kleidocerys truncatulus ericae (Hv.)

Kartal - July to August (7); Karamürsel - in July (1).

Cymus clavicolus (Fn.)

Bursa - in July (4); İnegöl - in July (1); Adapazarı - in July (1).

Artheneis balcanica (Kml.)

Bursa - in July (3).

Holcocranum saturejae (Klt.)

Bursa - July to August (6); İnegöl - June to August (6); Karamürsel - in August (1).

Holcocranum sp. nr. saturejae (Klt.)

Bursa - in July (3); İnegöl - in July (1); Karamürsel - June to July (2); Adapazarı - in June (2).

This species is recorded for the first time in Turkey.

Plinthisus ptilioides Pt.

İnegöl - May to July (2).

Eremocoris fenestratus (H. - S.)

Bursa - July to September (5); İnegöl - June to August (2).

Scolopostethus pictus (Schl.)

Karamürsel - in July (1).

Camptocera glaberrima (Wk.)

Karamürsel - in August (1).

Tropistethus fasciatus Fr.

Bursa - August to September (14); İnegöl - July to August (3); Karamürsel - July to September (4); Adapazarı - August to September (5).

Lamprodema maurum (F.)

Bursa - July to September (14); İnegöl - May to September (30); M. Kemalpaşa - in September (2); Kartal - in August (1); Karamürsel - in August (5); Adapazarı - June to July (3).

Peritrechus ambiguus Hv.

Düzce - in July (3); Bursa - in July (32); İnegöl - June to September (7); M. Kemalpaşa - June to September (5); Kartal - June to July (12); Adapazarı - June to July (13); Hendek - in July (2).

P. gracilicornis Pt.

Bursa - in July (17); Kartal - in June (2); Adapazarı - in July (1); Geyve - in June (3).

Pachybrachius capitatus (Hv.)

Adapazarı - in July (1).

New for Turkish fauna.

Rhyparochromus alboacuminatus (Gz.)

Düzce - in July (1).

Remaudiereana annulipes (Bar.)

Kartal - in October (1); Adapazarı - in July (1).

BERYTIDAE

Gampsocoris punctipes (Gm.)

Düzce - in June (1).

PYRRHOCORIDAE

Scantius aegyptius (L.)

Karamürsel - in September (4).

RHOPALIDAE

Liorhyssus hyalinus (F.)

Bursa - in August (1).

Brachycarenum tigrinus (Schl.)

M. Kemalpaşa - in September (1).

PENTATOMIDAE

Eysarcoris inconspicuus (H. - S.)

Bursa - in September (1); Kartal - in August (1).

Holcostethus vernalis (W.)

Bursa - in July (1).

Dolycoris baccarum (L.)

İnegöl - in June (1).

Acrosternum millieri (M. - R.)

Bursa - in July (2); İnegöl - June to August (4); M. Kemalpaşa - in September (1); Karamürsel - June to September (10); Adapazarı - June to September (3).

A. heegeri Fb.

Bursa - July to September (16); İnegöl - June to July (8); M. Kemalpaşa - June to September (6); Karamürsel - June to September (8); Adapazarı - August to September (13); Geyve - June to July (4).

Nezara viridula (L.)

Düzce - in July (1); Bursa - in August (4); M. Kemalpaşa - May to June (7); Karamürsel - in August (1); Adapazarı - August to September (25); Hendek - in July (4).

Raphigaster nebulosa (Pd.)

M. Kemalpaşa - in May (1); Karamürsel - in June (1).

Piezodorus lituratus (F.)

M. Kemalpaşa - in June (1).

CYDNIDAE

Macroscytus brunneus (F.)

Bursa - in July (1); İnegöl - in July (1).

Özet

Kuzeybatı Anadolu kesiminde ışık tuzaklarında saptanan Heteroptera türleri

Bu çalışmada, yurdumuzun Kuzey batı kesiminde yer alan 5 ilde (İstanbul, Kocaeli, Bursa, Sakarya ve Bolu) 1977-1980 yılları arasında ışık tuzaklarında yakalanan Heteroptera türlerine yer verilmiştir. Yapılan incelemeler sonucunda 15 familyaya bağlı toplam 155 tür saptanmış olup bunlardan 18'i Türkiye için yeni kayıt niteliğindedir. Bunlar : *Chartoscirta cincta* (H. - S.) (Saldidae); *Pygolampis bidentata* (Gz.) (Reduviidae); *Holcocranum* sp. nr. *saturejae* (Klt.), *Pachybrachius capitatus* (Hv.) (Lygaeidae); *Deraeocoris ventralis* Rt., *Macrotylus solitarius* (M. - D.), *M. horvathi* Rt., *Ectagela guttata* Schm., *Phylus melanocephalus* (L.), *Psallus variabilis* (Fr.), *Macrolophus glaucescens* Fb., *Stethoconus cyrtopeltis* (Fl.), *Orthotylus tenellus* (Fn.), *O. viridinervis* (Kbm.), *Blepharidopterus dubius* Wgn., *Stenodema sericans* (Fb.), *Polymerus asperulae* (Fb.), ve *Agnocoris rubicundus* (Fn.) (Miridae)'tur.

References

- Bodenheimer, L., 1961. Heteroptera collected in Ankara (Turkey) by light trap. *Acta ent. Mus. natn. Pragae*, 34 (590) : 399 - 416.
- Önder, F. and N. Adıgüzel, 1979. Some Heteroptera collected by light trap in Diyarbakır (Turkey). *Türk. Bit. Kor. Derg.*, 3 (1) : 25 - 34.