

## HEMIPTERA-HETEROPTERA Z OSTROVA CYPRU ON SOME HEMIPTERA-HETEROPTERA OF CYPRUS

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(Přijato pro tisk dne 6. listopadu 1952.)

Po vyjití podrobného zpracování *Hemiptera-Heteroptera* ostrova Cypru profesorem HAKANEM LINDBERGM (Commentationes Biologicae, X. 7:1—98, 1948) obdržel jsem laskavostí Dr. J. A. Slatera ke zpracování další menší materiál z tohoto ostrova, který sbíral Mr. G. A. Mavromoustakis. Tento materiál obsahuje 92 druhů a forem z lokalit neudávaných v LINDBERGOVĚ práci. 17 druhů jest nových pro faunu ostrova, z toho dva druhy jsou druhy s rozšířením východomediterráním, 12 druhů jest potom původu mediterránního, pronikající daleko do východní a střední až severní Evropy, dva druhy jsou původu angarského a nový druh nutno považovati za endemitní.

After the publication of the working on the *Hemiptera-Heteroptera* of Cyprus by Professor HAKAN LINDBERG (Commentationes Biologicae, X. 7:1—98, 1948) Dr. James A. Slater most kindly sent me for identification a further, smaller material from Cyprus, collected by Mr. G. A. Mavromoustakis. This material contains 92 species and forms from localities not listed in LINDBERG's work, of which 17 species are new for the fauna of Cyprus and one species is new for science. Below I give a list of the species found.

### Cydnidae

*Macroscytus brunneus* (FAB.) — 1 ♂ and 1 ♀, Amathus 4. III. 1950.

*Cydnus aterrimus* (FORST.) — 1 ♀, Polemedia Hills 3—4. IV; 1 ♂, Amathus 17. IV; 1 ♂ and 1 ♀, Cherkes 28. IV. 1950.

*Sehirus dubius* (SCOP.) — 1 ♀, Cherkes 17—18. III. 1950.

*Sehirus cypriacus* DOHRN — 2 ♂♂ and 1 ♀, Polemedia Hills 2. IV. 1950.

*Ochetostethus nanus* (H. SCH.) — 1 ♀, Episcopi Forest 26. IV. 1950.

## Pentatomidae

*Eurygaster integriceps* PUT. — 1 ♂ and 1 ♀, Cherkes 17—18. III. (at *Calendula persica*); 1 ♀, Polemedia Hills 2. IV; 1 ♀, Limassol 14. IV. 1950.

*Podops (Opocrates) rectidens* HORV. — 1 ♂, Cherkes 17—18. III. 1950, New record.

*Aelia acuminata* (L.) — 4 ♂♂ and 2 ♀♀. Cherkes 17—18. and 30. III. 1950 (at *Calendula persica*).

*Stagonomus amoenus* (BRULLÉ) — 1 ♂ and 2 ♀♀, Episcopi Forest 20—23. IV. 1950.

*Stollia inconspicua* (H. SCH.) — 1 ♂, Cherkes 17—18. III. 1950 (at *Calendula persica*).

*Holcostethus vernalis* (WOLFF) — 1 ♂ and 1 ♀, Yermasoyia River 6. III; 1 ♂ and 1 ♀, Polemedia Hills 10—11. III; 1 ♀, Cherkes 22—24. III. 1950. New record.

*Carpocoris pudicus* (PODA) — 1 ♂, Yermasoyia River 1. III; 2 ♂♂ and 3 ♀♀, Polemedia Hills 10—11. III. 1950.

*Codophila varia* (F.) — 1 ♂, Cherkes 22—24. III; 1 ♂, Amathus 17. IV. 1950.

*Dolycoris baccarum* (L.) — 2 ♀♀, Yermasoyia River 1—3. III; 1 ♂, Amathus 4. III; 1 ♀, Polemedia Hills 10—11. III. 1950.

*Eurydema ornatum* f. *decorata* (H. SCH.) — 5 ♂♂ and 1 ♀, Yermasoyia River 28. II. and 1. III. 1950.

*Nezara viridula* f. *smaragdula* (FAB.) — 3 ♂♂ and 1 ♀, Yermasoyia River 1. III. 1950.

*Nezara viridula* f. *torquata* (FAB.) — 2 ♂♂, Yermasoyia River 1—3. III. 1950.

*Piezodorus lituratus* (FAB.) — 1 ♀, Polemedia Hills 10—11. III; 1 ♀, Limassol 14. IV. 1950.

## Coreidae

*Syromastus rhombeus* (L.) — 1 ♀, Cherkes 17—18. III. 1950.

*Haploprocta sulcicornis* (FAB.) — 1 ♂, Cherkes 17—18. III. 1950 (at *Calendula persica*).

*Centrocoris spiniger* (FAB.) — 1 ♂, Amathus 17. IV. 1950.

*Arenocoris waltli* (H. SCH.) — 1 ♀, Limassol 14. IV. 1950.

*Loxocnemis dentator* (FAB.) — 2 ♂♂, Limassol 14. IV. 1950.

*Coriomermis hirticornis* (FAB.) — 1 ♂, Yermasoyia River 2—3. III; 2 ♂♂, Cherkes 17—18. III. and 30. III. (at *Calendula persica*); 1 ♂, Polemedia Hills 3—4. IV. 1950.

*Strobilotoma typhaecornis* (FAB.) — 3 ♂♂, Cherkes 17—18. and 30. III, 22—23. IV. (at *Calendula persica*); 2 ♂♂, Limassol 14. IV. 1950.

*Strobilotoma divergens* REUT. — 3 ♀♀, Cherkes 17—18, 22—24, 30. III. 1950.

*Dicranomerus agilis* (SCOP.) — 1 ♂, Polemedia Hills 9—10. III; 1 ♀, Cherkes 17—18. III. 1950 (at *Calendula persica*).

*Camptopus lateralis* (GERM.) — 1 ♂ and 2 ♀♀, Cherkes 17—18, 30. III. (at *Calendula persica*); 3 ♀♀ Polemedia Hills 3—4. IV. 1950.

*Liorhyssus hyalinus* (FAB.) — 1 ♂ and 7 ♀♀, Yermasoyia River 28. II. 1950.

*Liorhyssus hyalinus* f. *sanguinea* (COSTA) — 1 ♀, Cherkes 30. III. 1950.

*Stictopleurus abutilion* (ROSSI) — 1 ♀, Yermasoyia River 28. II; 1 ♀, Cherkes 17—18. III; (at *Calendula persica*); 3 ♂♂, Limassol 14. IV. 1950.

*Maccevethus lineola* (FAB.) — 4 ♂♂ and 1 ♀, Cherkes 17—18. and 22—24. III. 1950 (at *Calendula persica*).

### Lygaeidae

*Lygaeus saxatilis* (SCOP.) — 4 ♂♂ and 2 ♀♀, Polemedia Hills 10—11. III. 1950.

*Lygaeus pandurus* (SCOP.) — 1 ♀, Polemedia Hills 7. II; 2 ♂♂ and 2 ♀♀, Yermasoyia River 1. III; 1 ♀, Amathus 4. III. 1950.

*Lygaeus creticus* (LUC.) — 1 ♀, Polemedia Hills 7. II; 1 ♀, Yermasoyia River 1. III. 1950.

*Melanocoryphus tristrami* (DGL. SC.) — 1 ♂ and 1 ♀, Cherkes 22—24. III. 1950.

*Melanocoryphus persimilis* HORV. — 2 ♂♂ and 3 ♀♀, Cherkes 22—24. III; 1 ♀, Polemedia Hills 2. IV. 1950.

*Apterola rubicunda* (STAL.) — 2 ♂♂ and 4 ♀♀, Yermasoyia River 2—3. III. 1950.

*Caenocoris nerii* (GERM.) — 1 ♂ and 5 ♀♀, Yermasoyia River 28. II. and 1. III. 1950.

*Orsillus reyi* PUT. — 1 ♂ and 1 ♀, Episcopi Forest 20—23. IV. 50.

*Nysius graminicola graminicola* (KOL.) — 2 ♂♂ and 2 ♀♀, Amathus 4. III; 2 ♂♂ and 2 ♀♀, Cherkes 17—18. III. 1950 (at *Calendula persica*).

*Nysius senecionis* (SCHILL.) — 1 ♀, Yermasoyia River 28. II. 1950. New record.

*Picocoris erythrocephalus* (LEP. et SERV.) — 1 ♂ and 3 ♀♀, Episcopi Forest 20—23. IV. 1950.

*Artheneis foveolata* SPIN. — 5 ♀♀, Phinicia River 18. IV. 1950 (at *Tamariscus* sp.). New record.

*Heterogaster longirostris* E. WAG. — 2 ♂♂ and 2 ♀♀, Yermasoyia River 2—3. III. 1950.

*Oxycarenus hyalinipennis* (COSTA) — 1 ♂, Polemedia Hills 7. II; 2 ♂♂ and 3 ♀♀, Yermasoyia River 28. II. and 6. III. 1950.

*Macroplax fasciata* (H. SCH.) — 1 ♀, Limassol 14. IV; 1 ♀, Episcopi Forest 20—23. IV. 1950.

*Megalonotus praetextatus* (H. SCH.) — 1 ♂, Episcopi Forest 26. IV. 1950.

*Aphanus rolandri* (L.) — 1 ♂ and 4 ♀♀, Cherkas 28. IV. 1950.

*Beosus quadripunctatus* (MÜLL.) — 1 ♂ and 3 ♀♀, Cherkas 17—18. III. and 28. IV. (at *Calendula persica*); 1 ♀, Limassol 14. IV. 1950.

*Ischnopeza pallipes* PUT. — 1 ♂, Cherkas 30. III. 1950.

*Emblethis griseus* (WOLFF.) — 1 ♂, Cherkas 17—18. III. 1950 (at *Calendula persica*).

*Lethaeus cribratissimus* (STAL.) — 2 ♂♂ and 1 ♀, Polemedia Hills 7. II; 1 ♀, Episcopi Forest 20—23. IV. 1950.

*Scolopostethus decoratus* (HAHN.) — 1 ♂, Yermasoyia River 6. III; 1 ♂, Polemedia Hills 9—10. III. 1950.

#### Berytidae

*Berytinus signoreti* (FIEB.) — 3 ♂♂ and 3 ♀♀, Episcopi Forest 26. IV. 1950. New record.

#### Pyrrhocoridae

*Pyrrhocoris apterus* (L.) — 3 ♂♂, Yermasoyia River 2—3. III. 1950.

*Scantius aegyptius* (L.) — 3 ♂♂, Yermasoyia River 20—21. I. 1950.

#### Tingitidae

*Tingis (Lasiotropis) ragusana* (FIEB.) — 1 ♀, Episcopi Forest 20—23. IV. 1950. New record.

*Monanthia nassata* PUT. — 4 ♀♀, Episcopi Forest 20—23. IV. 1950.

*Monanthia platyoma* FIEB. — 1 ♂, Episcopi Forest 20—23. IV. 1950. New record.

#### Reduviidae

*Pasira basiptera* STAL. — 1 ♀, Cherkas 17.—18. III. 1950 (at *Calendula persica*).

*Pirates hybridus* (SCOP.) — 6 ♀♀, Akrotizi Bay 16. III. 1950.

*Coranus egyptius* (FAB.) — 1 ♂ and 1 ♀, Polemedia Hills 13. III. (at *Calycotome* sp.); 1 ♀, Cherkas 17.—18. III. 1950 (at *Calendula persica*).

#### Nabidae

*Nabis* (s. str.) *capsiformis* GERM. — 1 ♂, Yermasoyia River 2.—3. III. 1950.

*Nabis (Aspilaspis) viridis* BRULLÉ — 1 ♀, Yermasoyia River 2.—3. III.; 1 ♂ and 4 ♀♀, Phinikaria River 18. IX. 1950 (at *Tamariscus* sp.).

## Anthocoridae

*Anthocoris minki* DOHRN — 1 ♂ and 3 ♀♀, Amathus 4. III. 1950. New record.

*Orius* (s. str.) *niger* (WOLFF) — 1 ♂ and 8 ♀♀, Episcopi Forest 20.—23. IV. 1950. New record.

## Miridae

*Deraeocoris* (s. str.) *rutilus* (H. SCH.) — 1 ♂, Episcopi Forest 20 — 23. IV. 1950.

*Deraeocoris* (*Camptobrochis*) *serenus* (DGL. SC.) — 1 ♀, Yermasoyia River 28. II.; 1 ♀, Cherkes 28. IV. 1950. New record.

*Deraeocoris* (*Camptobrochis*) *punctulatus* (FALL.) — 3 ♂♂ and 1 ♀, Yermasoyia River 28. II. 1950.

*Macrotylus nigricornis* FIEB. — 1 ♂ and 2 ♀♀, Polemedia Hills 3.—4. IV. 1950.

*Macrotylus lutescens* FIEB. — 2 ♂♂, Polemedia Hills 3.—4. IV. 1950. New record.

*Pachyxyphus lineellus* (MULS. et REY) — 5 ♂♂ and 1 ♀, Episcopi Forest 20.—23. IV. 1950. New record.

*Plagiognathus* (s. str.) *fusciloris* REUT. — 3 ♂♂ and 1 ♀, Episcopi Forest 20.—23. IV. 1950. New record.

*Campylomma lindbergi* sp. n. — 3 ♂♂ and 2 ♀♀, Episcopi Forest 20.—23. IV. 1950.

*Tuponia tamaricis* (PERR.) — 3 ♂♂ and 4 ♀♀, Phinikaria River 18. IX. 1950 (at *Tamariscus* sp.)

*Tuponia hippophoës* (FIEB.) — 4 ♂♂ and 2 ♀♀, Phinikaria River 18. IX. 1950 (at *Tamariscus* sp.)

*Cyphodema instabile* (LUC.) — 1 ♂, Cherkes 28. IV. 1950. New record.

*Calocoris* (*Closterotomus*) *annulus* (BRULLÉ) — 4 ♂♂ and 2 ♀♀, Polemedia Hills 13. III. (at *Calycotome*); 1 ♀, Cherkes 30. III. 1950.

*Calocoris* (s. str.) *hispanicus* (GMEL.) — 1 ♀, Polemedia Hills 2. IV. 1950.

*Calocoris* (s. str.) *hispanicus* f. *confluens* REUT. — 1 ♂, Polemedia Hills 2. IV. 1950.

*Calocoris* (s. str.) *hispanicus* f. *vittata* REUT. — 1 ♂, Polemedia Hills 20. IV. 1950.

*Calocoris* (s. str.) *hispanicus* f. *coccinea* (DUF.) — 2 ♂♂ and 1 ♀, Polemedia Hills 2. IV. 1950.

*Calocoris* (s. str.) *rubrinervis* (H. SCH.) — 3 ♂♂, Limassol 13. IV. 1950.

*Lygus* (*Neolygus*) *apicalis* FIEB. — 1 ♂, Episcopi Forest 20.—23. IV. 1950.

*Lygus* (*Exolygus*) *pratensis* (L.) — 5 ♂♂, Yermasoyia River 21. II. 1950.

*Lygus* (*Exolygus*) *gemellatus* (H. SCH.) — 1 ♀, Yermasoyia River 28. II.; 1 ♂ and 7 ♀♀, Cherkes 22.—24. III. and 28. IV. 1950. New record.

*Capsodes (Horistus) infuscatus* (BRULLÉ) — 1 ♂ and 1 ♀, Polemedia Hills 9.—10. III. 1950.

*Capsodes (Horistus) infuscatus* f. *rufipennis* REUT. — 1 ♂ and 3 ♀♀, Polemedia Hills 9.—10. III. 1950.

*Dionconotus cruentatus* (BRULLÉ) — 5 ♂♂ and 1 ♀, Akrotizi Bay 16. III. 1950.

#### Leptopodidae

*Patapius spinosus* (ROSSI) — 2 ♂♂ and 4 ♀♀, Yermasoyia River 30.—31. I. and 2.—3. III. 1950.

#### Veliidae

*Velia* (s. str.) *filippii* TAM. — 6 ♀♀, Fasoula 26. XII. 1945. New record.

The following survey of the biogeographic elements include 17 species newly ascertained for the fauna of *Heteroptera* of Cyprus:

The Mediterranean element:

(1) Species with eastmediterranean distribution:

*Podops (Opocrates) rectidens* HORV.

*Velia ventralis filippii* TAM.

(2) Species with mediterranean distribution penetrating into East or Middle and North Europe:

*Nysius senecionis* (SCHILL.)

*Artheneis foveolata* SPIN.

*Berytinus signoreti* (FIEB.)

*Tingis (Lasiotropis) ragusana* (FIEB.)

*Anthocoris minki* DOHRN

*Orius* (s. str.) *niger* (WOLFF)

*Derdeocoris (Camptobrochis) serenus* (DGL. SC.)

*Macrotylus lutescens* FIEB.

*Pachyxyphus lineellus* (MULS. et REY)

*Plagiognathus* (s. str.) *fusciloris* REUT.

*Cyphodema instabile* (LUC.)

*Lygus (Exolygus) gemellatus* (H. SCH.)

Angaran element:

*Holcostethus vernalis* (WOLFF)

*Monanthia platyoma* FIEB.

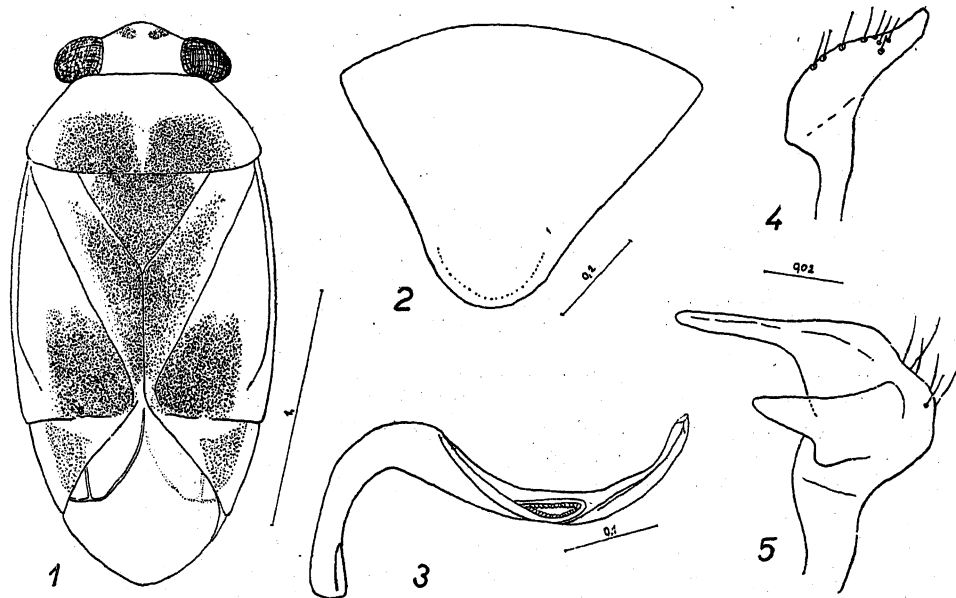
Endemic species (?):

*Campylomma lindbergi* sp. n.

#### *Campylomma lindbergi* sp. n.

Male: length to the end of hemielytra 2.55—2.81 mm, maximum width 1.14 mm. Head: length 0.23 mm, width 0.74 mm, vertex 0.35 mm. Antennae: length of segment I, 0.17 mm; II, 0.65 mm; III, 0.27 mm; IV, 0.19 mm. Rostrum: length 0.86 mm. Pronotum: length 0.47 mm, width 1.05 mm.

General colour reddish brown in different shades, shining. Head pale reddish brown, frons with two irregular dark reddish brown spots which fuse more or less with the blackish tylus and with the blackish irregular spots on the lower part of the head unfar the base of the antennae. The whole tylus and in some specimens almost the whole genae are blackish. In some specimens the black frontal spots are hemmed in by a bright red border which passes into the reddish vertex. Frons in the middle of the black spots with a yellow tinge; eyes bordered red. Eyes blackish brown. Rostrum yellowish brown, apical half of the last segment black. Antennae yellowish brown, only the base of the second segment slightly darkened, 3. and 4. segment pinkish. Pronotum brownish red, base of the pronotum with two large blackish four-sided spots, which fuse more or less in the middle. Anterior part of the pronotum with two bright red spots, directed from the anterolateral angles to the middle, where they anastomose. Anterior margin of the pronotum and a small part in the middle of the disc with a yellow tinge. Scutellum blackish, anterior angles and the tip of the scutellum somewhat paler. Hemelytra reddish brown, inner and apical part of the clavus blackish brown, inner part of the corium to the inner angle reddish brown; cuneus somewhat redder than the base proper of the hemelytra. Membrane dark brown, at the base somewhat darker, basal veins of the membrane reddish. Sternum except the outer posterior angle of the propleura and acetabula reddish, shining. Venter reddish brown, shining, the first two ventrites and the end of the IX. segment brownish.



*Campylomma lindbergi* sp. n. ♂ — 1: general view showing blackish drawings, 2: genital segment, 3: vesica of the penis, 4: right paramere, 5: left paramere.

Legs yellowish brown, distal half of the posterior femora reddish. Anterior and middle femora with one or two black dots on the upper side, posterior femora with 12—15 dots on the upper and outer side. Tibiae with large black dots from which black spines grow out. The whole body is covered with a long, appressed golden pubescence, which is long especially on pronotum, scutellum, clavus, corium, and cuneus.

The shape of the body is elongated oval, 2.3 times as long as broad. Head 3 times as broad as long, strongly perpendicular, vertex very finely bordered, 1.9 times broader than the width of the eye. Tylus strongly projecting. Surface of the head with a very fine sculpture. Antennae linear, first and second segments towards the apex slightly widened, stronger than the last two. Relative lengths of respective antennal segments as 14 : 53 : 23 : 16. Rostrum reaching to the end of the middle coxae. Pronotum regularly arched, somewhat inclined anteriorly, 2.2 times as broad as long. Pronotum and scutellum very finely irregularly transversally rastrate. Hemielytra projecting far beyond the end of the body, margins of the hemielytra very finely rounded, clavus and corium with fine sculpture. IX. abdominal segment very broad, broader than long. Aedeagus of typical shape, vesica strongly S-shaped. Left paramere with two unequal prolongations, hypophysis lengthened into a long but only slightly narrowing point, central processus short, strong, distinctly narrowing. Right paramere slightly bent, broadest in the basal third.

**F e m a l e:** length to the end of hemielytra 2.58—2.66 mm, maximum width 1.18—1.25 mm. Head: length 0.23 mm, width 0.75 mm, vertex 0.36 mm. Antennae: length of segment I, 0.16 mm; II, 0.59 mm; III, 0.25 mm; IV, 0.18 mm. Pronotum: length 0.48 mm, width 1.1 mm.

Similar to the male, only slightly broader. Coloration of the dark spots not so striking and contrasting, the dark coloration on the corium rather disappears in the two females at my disposal. Sternum bright red coloured, venter pale brown.

3 ♂♂ and 2 ♀♀ (*holotype*, *allotype* and *paratypes*) — E p i s c o p i F o r e s t, 20.—23. IV. 1950. Holotype, allotype and 1 paratype in the collection of the National Museum in Prague, 2 paratypes in the collection of Dr. James A. Slater, Ames, Iowa, USA.

The new species is distinguished from all other species of the genus *Campylomma* REUTER by the very striking coloration of the head, pronotum, scutellum and hemielytra. In general coloration it is somewhat reminiscent of the male of *Campylomma platani* LINDBERG from Cyprus; the antennae without black drawings on first joint are reminiscent of *C. nigronassuta* REUTER.