

**Additional distribution records of the Netherlands Heteroptera  
(Hem.), with a revised generic list of the Miridae**  
by  
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In order to add to the distributional data given by RECLAIRE (1932), the following list of bugs collected during the period of the recent Congress is given. The opportunity is taken to amend the nomenclature of STICHEL (1925—38) and HEDICKE (1935) by alterations based, for the most part, on the works of VAN DUZEE (1917), KNIGHT (1941), CHINA (1943) and CARVALHO and LESTON (1952). A revised list of the Mirid genera is given, grouping them in tribes and subfamilies. Localities and dates are abbreviated : Groet, 19.VIII.51 G ; Ankeveen, 21.VIII.51 A ; Hoge Veluwe, 23.VIII.51 H ; Bentveld, 25.VIII.51 B ; Kennemerduinen, 26.VIII.51 K.

**CYDNIDAE Billberg**

*Thyreocoris scarabaeoides* Schr. B (1, in moss).

*Aethus flavigornis* F. B ; K (very common). CHINA (1943) gives the synonymy : *Aethus* Dall. 1851 = *Cydnus* Fieb. et auctt. nec F. ; *Cydnus* F. = *Brachypelta* A. & S. et auctt.

**PENTATOMIDAE Leach**

*Odontoscelis fuliginosa* L. K (3 nymphs only).

*Sciocoris cursitans* F. K.

*Aelia acuminata* L. H.

*Pitedia juniperina* L. H (5 imagines, 3 nymphs, on Juniper). CHINA points out the reasons for replacing *Chlorochroa* Stål by *Pitedia* Reuter<sup>1</sup>.

*P. pinicola* Muls. H (1, on Pine). RECLAIRE (1932) gives only two previous records.

*Dolycoris baccarum* L. G (including nymphs); H. *Dolycorus* laps. cal. vide RECLAIRE.

*Eurydema oleraceum* L. B.

*Elasmucha grisea* L. H.

*Cyphostethus tristriatus* F. H (extraordinarily abundant on Juniper, many last-instar nymphs present).

*Arma custos* F. H (on Birch, many last-instar nymphs also present).

*Eysarcoris punctatus* L. B (1 nymph only). CHINA indicates the generic synonymy : *Eysarcoris* Hahn 1834 = *Rhacognathus* Fieb. et auctt. ; *Stollia* Ellenr. = *Eysarcoris* auctt. nec Hahn.

**COREIDAE Leach**

*Ceraleptus lividus* Stein. G.

*Rhopalus parumpunctatus* Schill. G ; H ; B ; K. CHINA points out : *Rhopalus* Schilling = *Corizus* Fieb. et auctt. nec Fall. ; *Corizus* Fall. = *Therapha* A. & S. ; *Brachycarenus* Fieb. = *Rhopalus* Osh. et auctt. nec Schill. (type, *tigrinus* Schill.).

*Myrmus miriformis* Fall. H ; B.

*Chorosoma schillingii* Schill. G (very abundant); H.

<sup>1)</sup> RECLAIRE (1951, Tijdschr. Ent. 93 : 3) quotes STOKES on the biology of this species ; it is almost certain that STOKES misidentified a specimen of *Palomena prasina* L.

## LYGAEIDAE Schilling

*Nysius*<sup>1)</sup> (*Macroparius*) *thymi* Wolff. K.

*N. (M.) lineatus* Costa. H.

*Cymus claviculus* Fall. G (in *Juncus* sp.)

*Geocoris grylloides* L. B.

*Megalonotus praetextus* H.-S. K. CHINA gives : *Megalonotus* Fieb. = *Rhyparochromus* Curtis nec Hahn ; *Rhyparochromus* Hahn = *Aphanus* Dist. et auctt. nec Lap. ; *Aphanus* Lap. = *Calyptonotus* D. & S. These changes involve much alteration to catalogues and works in current use but, as CHINA has gone to the original sources, should lead now to stability.

*M. chiragra* F. H.

*Macroderma micropterum* Curt. H.

*Pionosomus varius* Wolff. B ; K (very common at both localities).

*Plinthisus pusillus* Schltz. B (1 only). CHINA indicates the first valid use of this generic name to be by STEPHENS 1829. FIEBER should be deleted as the author thereof.

*P. brevipennis* Latr. B.

*Stygnocoris pedestris* Fall. G ; H ; B (including a pair in cop.) ; K.

*S. fuligineus* Geoff. G ; B ; K.

*Trapezonotus arenarius* L. H ; B : K (very common at all three localities). I have not attempted to separate *dispar* Stål.

*Rhyparochromus* (*Graptopeltus*) *lynceus* F. B (1 only).

*Beosus maritimus* Scop. G ; (very common) ; K.

*Emblethis* spp. G (2 only). I am unable to determine species of this genus as at present described ; the keys of STICHEL and HEDICKE are incompatible. None of the relevant types are in the British Museum (Nat. Hist.).

*Scolopostethus affinis* Schill. G.

*Scolopostethus decoratus* Hahn. G.

## BERYTIDAE Fieber

*Neides tipularius* L. B.

*Berytinus minor* H.-S. H. CHINA points out that *Berytus* F. being a synonym of *Neides* Latr., the next available name, *Berytinus* Kirkaldy, becomes the correct generic name for *Berytus* auctt. nec F.

*B. crassipes* H.-S. H (common).

*Gampsocoris punctipes* Germ. B ; K (common on *Ononis*). CHINA indicates that *Gampsocoris* Fuss must replace *Metacanthus* auctt. nec Costa.

## PIESMIDAE A. &amp; S.

*Piesma quadrata* Fieb. G.

## TINGITIDAE Laporte

*Acalypta parvula* Fall. B.

*Tingis* (*Tingis*) *carduii* L. H.

*Monanthia echii* Schr. B (nymphs also present).

*Agramma laeta* Fall. H. CHINA shows that *Agramma* Stephens 1829 precedes *Serenthia* Spinola 1837 as the generic name.

<sup>1)</sup> Dr CHINA informs me that application has been made for the fixation of *Nysius* in its traditional form.

**ARADIDAE** Spinola.

*Aradus cinnamomeus* Panz. H (very common on young *Pinus sylvestris* L.; last-instar nymphs present. A sample of females contained 5 macropodters, 11 brachypters).

**REDUVIIDAE** Latreille.

*Coranus subapterus* Deg. H.

**NABIDAE** Costa.

Although placed here after Reduviidae, in fact the affinities of this family are with the Cimicoidea : Cimicidae, Anthocoridae etc.

*Nabis (Nabis) ferus* L. G ; A ; H ; K.

*N. (N.) flavomarginatus* Schltz. H.

*N. (N.) ericetorum* Schltz. G ; H : B.

*N. (Himacerus) apterus* F. H ; B.

*N. (H.) major* Costa. G ; B ; K.

*N. (Stalia) boops* Schiodte. H (2 specimens, by sweeping in mixed grass and *Calluna*). Not recorded by RECLAIRE as a Netherlands species<sup>1</sup>).

*N. (Dolichonabis) lineatus* Dahlb. A (common in long grass).

**ANTHOCORIDAE** A. & S.

*Anthocoris nemorum* L. A ; B.

*A. nemoralis* F. A ; B.

*A. confusus* Reut. B.

*A. limbatus* Fieb. A.

**MIRIDAE** Hahn.

The classification given follows, where applicable, that of CARVALHO and LESTON (1952). The scheme is approximately phylogenetic in that the primitive subfamilies are given first and the higher Miridae last, but only so far as a linear arrangement permits. All the genera of Netherlands Miridae are included.

**DERAEOCORINAE** Douglas & Scott 1865 (Mirinae Reuter)

Tribe : CLIVINEMINI Reuter 1876 (Bothynotinae Reut. et auctt.)

1. **Bothynotus** Fieber.

Tribe : DERAEOCORINI Douglas & Scott 1865

2. **Deraeocoris** Kirschbaum.

(includes *Camptobrochis* Fieber, see POPPIUS (1912)).

3. **Alloeotomus** Fieber. Placed in Mirinae by HEDICKE, this genus is in reality Deraeocorinine. SLATER confirms this (1950) from an examination of the female genitalia and I find the claws, toothed at base and with hair-like arolia and no pseudarolia (fig. 1), are simi-

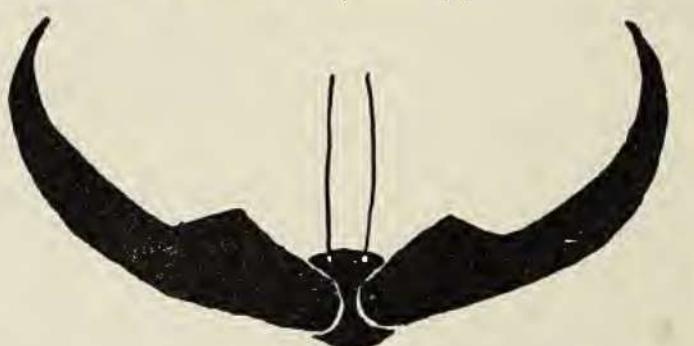


Fig 1. Claws of *Allocotomus gothicus* Fall.

<sup>1</sup>) Mr. W. H. GRAVESTEIN informs me, that *N. (S.) boops* was discovered in the Netherlands by D. MAC GILLAVRY at Nunspeet (prov. of Gelderland) in 1921 (1935, Tijdschr. v. Ent. 78 : IV). No other specimens were found before the two taken by Mr. LESTON. — Ed.

lar to those in *Deraeocoris*. Similarly, the collar is not of the true raised and rounded pattern found in Mirinae. *A. gothicus* Fall. H, common on *P. sylvestris*.

### BRYOCORINAE Douglas & Scott 1865

The correct authors are as quoted and not REUTER.

Tribe: BRYOCORINI Douglas & Scott 1865

4. *Monalocoris* Dahlbom
5. *Bryocoris* Fallen

### PHYLINAE Douglas & Scott 1865 (Plagiognathinae Osh. et auctt.)

Tribe: PHYLINI Douglas and Scott 1865 (Oncotylini Stichel (sic) and Plagiognathini Stichel (sic))

The classical division into Oncotylaria and Phylaria does not hold; the characters used were not more than generic and not supported by the genitalia.

6. *Lopus* Hahn
7. *Oncotylus* Fieber
8. *Conostethus* Fieber
9. *Hoplomachus* Fieber
10. *Megalocoleus* Reuter. *M. molliculus* Fall. B, (on *Achillea millefolia*).
11. *Amblytylus* Fieber
12. *Macrotylus* Fieber. *M. paykulli* Fall. K.
13. *Harpocera* Curtis
14. *Orthonotus* Stephens. *Byrsoptera* Spin. et auctt. See CHINA.
15. *Phylus* Hahn
16. *Plesiodesma* Reuter
17. *Psallus* Fieber. *P. roseus* F. A (on *Salix*); H.
18. *Atractomus* Fieber
19. *Criocoris* Fieber
20. *Plagiognathus* Fieber. *P. arbustorum* F. B ; K.
21. *Chlamydatus* Curtis. *P. pulicarius* Fall. K (very common).
22. *Monosynamma* Scott. *Microsynamma* Fieb. See CHINA in WAGNER (1946).
23. *Campylomma* Reuter
24. *Sthenarus* Fieber

Tribe: DICYPHINI Reuter 1883 (Macrolophinae Reut. Macrolophini Kirk. et auctt.)

25. *Macrolophus* Fieber
26. *Dicyphus* Fieber
27. *Campyloneura* Fieber

Tribe: HALLODAPINI Van Duzee 1916 (Systellonotini auctt.)

28. *Systellonotus* Fieber

ORTHOTYLINAE Van Duzee 1916 (Heterotominae Reut. et auctt.)

Tribe: PILOPHORINI Reuter (Heterotomini Stichel (pars))

29. **Pilophorus** Hahn. The genus was described by HAHN 1826 and not WESTWOOD, as usually quoted. *P. cinnamopterus* Kirschb. H.

Tribe : HALTICINI Kirkaldy 1902 (Labopini Eur. auctt nec Am. auctt.)

30. **Orthocephalus** Fieber.

31. **Pachytomella** Reuter

32. **Strongylocoris** Blanchard

33. **Halticus** Hahn

Tribe : ORTHOTYLINI Van Duzee 1916 (Heterotomini auctt.)

34. **Cyllecoris** Hahn

35. **Dryophilocoris** Reuter This genus, erected as a subgenus of *Globiceps* Le P. & S. originally, is valid and includes *D. flavoquadrivittatus* Deg., the type. See CARVALHO and LESTON (1952) for a discussion of the reasons for this change.

36. **Blepharidopterus** Kolenati. *B. angulatus* Fall. G ; A.

37. **Globiceps** Le Pelletier & Serville

38. **Mecomma** Fieber

39. **Cyrtorhinus** Fieber

40. **Orthotylus** Fieber

41. **Melanotrichus** Reuter. This genus, type *M. flavosparsus* Sahlb., is considered valid by KNIGHT (1941) and CARVALHO and LESTON (1952). The Netherlands species to be removed from *Orthotylus* to *Melanotrichus* are : *flavosparsus* Sahlb., *virescens* D. & S., *concolor* Kirschb., *adenocarpi* Perris, *rubidus* Puton, *moncreaffi* D. & S. (recently raised to specific status by WAGNER (1942), *ericetorum* Fall. The genera can be separated thus :

a. Upper surface with simple erect pubescence only ; larger ..... *Orthotylus* Fieb.

— Upper surface with or without simple erect pubescence but scale-like, often deciduous, hairs always present ; smaller ... *Melanotrichus* Reut. *Melanotrichus* includes subgenus *Halocapsus* Puton. *M. ericetorum* Fall. G ; H ; B (abundant at all three localities).

42. **Pseudoloxops** Kirkaldy

43. **Heterotoma** Le Pelletier & Serville. *H. meriopteras* Scop. K.

44. **Heterocordylus** Fieber

45. **Malacororis** Fieber

### MIRINAE Hahn

Tribe : PITHANINI Douglas & Scott 1865 (Myrmecorini Reuter et auctt. nec Knight)

46. **Myrmecoris** Gorski

47. **Pithanus** Fieber

Tribe : STENODEMINI China 1943 (Mirini Reut. et auctt. nec Hahn)

48. **Acetropis** Fieber

49. **Stenodema** Laporte. *S. laevigatum* L. B. *S. calcarata* Fall. H.

50. **Notostira** Fieber

51. **Megaloceroea** Fieber

52. *Trigonotylus* Fieber. *T. ruficornis* Geoffr. G.  
 53. *Teratocoris* Fieber  
 54. *Leptopterna* Fieber. CHINA shows that this name must replace *Miris* auctt. nec F.

Tribe : MIRINI Hahn 1832 (Capsini auctt.)

55. *Pantilius* Curtis  
 56. *Miridius* Fieber  
 57. *Phytocoris* Fallen. *P. dimidiatus*  
 Kirschb. H. *P. varipes* Boh. G ; P ; K.  
 58. *Megacoelum* Fieber  
 59. *Adelphocoris* Reuter. *A. ticinensis* M-D.  
*A. lineolatus* Goeze B ; K.  
 60. *Calocoris* Fieber *C. norvegicus* Gme. G.  
 61. *Hadrodemus* Fieber. CHINA points out  
 that *Homodemus* Fieb. was an unnecessary  
 emendation.  
 62. *Miris* F. CHINA gives the synonymy :  
*Pycnopterna* Fieb.  
 63. *Stenotus* Jakovlev  
 64. *Dichrooscytus* Fieber  
 65. *Lygus* Hahn. As some confusion has oc-  
 curred through the conflicting subgeneric  
 classifications of KNIGHT (1917, 1941),  
 CHINA (1943) and WAGNER (1949), I give  
 a conspectus of the Netherlands species  
 placed in subgenera. These are based on  
 male and female genitalia, puncturation,  
 pubescence and biology.

*Lygus* Hahn *pabulinus* L.

- Neolygus* Knight Group A. *spinolae* M-D.  
 " *lucorum* M-D.  
 Group B. *viridis* Fall.  
*contaminatus*  
 Fall.  
*rhamnicola*  
 Reut.  
*limbatus* Fall.

*Agnocoris* Reuter *reclairei* Wagn.

- Orthops* Fieber *rubricatus* Fall.  
*cervinus* H.-S.  
*campestris* L.  
*kalmi* L.

- Exolygus* Wagner *pratensis* L.  
*pubescens* Reut.  
*gemellatus* H.-S.<sup>1)</sup>  
*maritimus* Wagn.<sup>1)</sup>

*Neolygus* Knt. has not previously been recognised in Europe; a con-  
 siderable number of the species included within *Apolygus* China belong

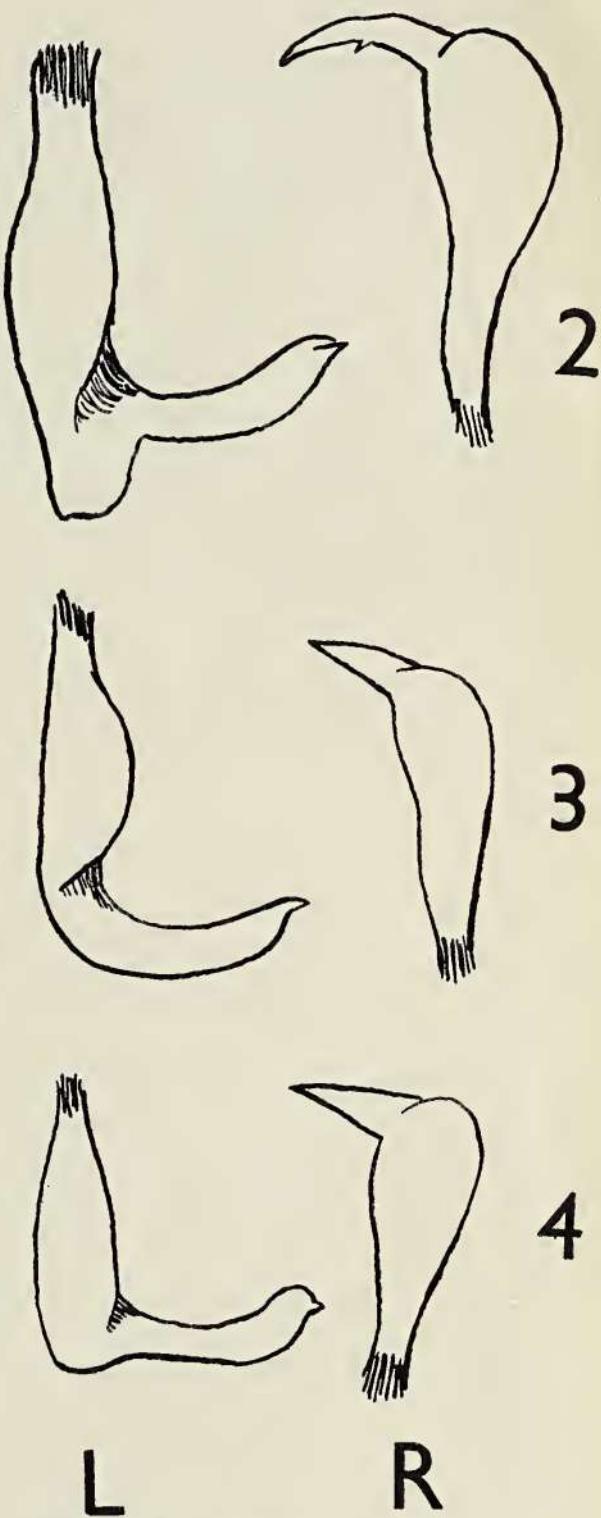


Fig. 2. Parameres of *Lygus* (*Neolygus*) *communis* Knt.

Fig. 3. Parameres of *Lygus* (*Neolygus*) *spinolae* M-D.

Fig. 4. Parameres of *Lygus* (*Neolygus*) *viridis* Fall.

<sup>1)</sup> B. KULLENBERG (1946, Zool. Bidr. 23: 67) doubts the specificity of *L. (E.) gemellatus* and its status, as of *L. (E.) maritimus*, must be considered subspecific pro tem.

to it. Figs. 2—4 show the parameres of the type, *communis* Knt. and two European species.

A fuller account of this classification is in preparation. *L. (L.) pabulinus* L. B. L. (*N.*) *lucorum* M-D. B. L. (*E.*) *maritimus* Wagn. G; K.

66. **Plesiocoris** Fieber.

67. **Camptozygum** Reuter

68. **Polymerus** Hahn. KNIGHT (1923) sank *Poeciloscytus* Fieber within *Polymerus* Hahn after an examination of a great number of species. The author of *Polymerus* is HAHN 1831, not WESTWOOD as usually quoted.

69. **Charagochilus** Fieber

70. **Liocoris** Fieber. Until the aedeagus is examined I cannot follow WAGNER in placing *Liocoris* within *Lygus*; it may of course, be so. *L. tripustulatus* F. B.

71. **Capsus** F. *Rhopalotomus* Fieb. in CHINA (1943) but as CHINA (1951) has applied for *Capsus* F. to be conserved with *ater* L. as type, I anticipate the Commission's ruling.

72. **Capsodes** Dahlbom. This is a true Mirini and not a genus of the wholly Neotropical tribe Restheniini Reuter. See CARVALHO and LESTON (1952). *Lopus* auctt. nec Hahn is a synonym.

### New synonymy

*Neolygus* Knight 1917 = *Apolygus* China 1941 (syn. nov.).

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