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ADDITIONS TO THE HETEROPTERA-FAUNA OF THE CANARY ISLANDS I

By E. HEISS * & J. RIBES **

ABSTRACT: The present paper is a first addition to the preliminary catalogue of the *Heteroptera*-fauna of the Canary Islands (HEISS & BAEZ, 1990) and includes corrections, new taxonomic assignments and further citations from literature and several new records. 29 species are reported as new to the Canarian fauna, but one species is a synonym (*Geocoris pubescens* Jak. = *G. ilmidus* Put.) and 8 species are regarded as doubtful species inquirenda which should be deleted from the list. This brings the total number of species known to date from Canary Islands to 333.

Key words: *Heteroptera*, catalogue, new additions, Canary Islands

RESUMEN: La presente aportación es una primera addenda al catálogo preliminar de los *Heterópteros* des las islas Canarias (HEISS & BAEZ, 1990). Incluye enmiendas, nuevos cambios taxonómicos, datos complementarios y numerosas citas inéditas. Todo ello se desglosa en cuatro secciones distintas dentro del segundo capítulo: referencias adicionales y cambios en la literatura, citas canarias nuevas, citas isleñas nuevas y especies inquirenda. De este acervo hay que entresacar 29 especies para incorporar a la fauna canaria, con relación a las 313 inventariadas, pero una es una sinonimia (*Geocoris pubescens* Jak. = *G. ilmidus* Put.) y 8 especies más se consideran dudosas, por lo que se eliminan de la lista, quedando pues un total de 333 especies que se estiman válidas. Toda la bibliografía es nueva.

1. INTRODUCTION

The publication of "A preliminary catalogue of the Heteroptera of the Canary Islands" by HEISS & BAEZ (1990) as a compilation of the then available data from literature was an attempt to provide a kind of practical "check-list" without pretension of completeness.

Since its preparation (1987) and during publication time additional information concerning omissions, corrections, new taxonomic assignments and new records were gathered by both present authors and are summarized in this paper.

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The recent publications by HOBERLANDT (1987); PUTSHKOV (1987) and BAENA & BAEZ (1990) also comprise references of Canarian Heteroptera which are included here. CARVALHO (1957-1960), STICHEL (1955-1962), SLATER (1964) and VAZQUEZ (1987) repeat some very doubtful ancient records which should be removed from the Canarian list, unless their presence there is proved.

For practical reasons we use the same sequence of categories and abbreviations as used in the "preliminary catalog". It differs from the recently published "Verzeichnis der Wanzen Mitteleuropas" (GÜNTHER & SCHUSTER, 1990) by another collocation of some suprageneric categories within the basically identical system e.g. now Leptopodomorpha come after Gerromorpha and Tingioidea are at the beginning of Cimicomorpha.

The indication 1/1 refers to the number of male/female specimens found.

2. TAXONOMIC RESULTS

2.1 Additional references and taxonomic changes from literature

Family Corixidae
Subfam. Corixinae

Corixa affinis LEACH, 1817
New to G, Alegranza, BAENA & BAEZ (1990)

Sigara (Vermicorixa) *lateralis* (LEACH, 1817)
The ssp. *nakurui* POISSON, 1958, which has been reported from Canary Islands by LINDBERG (1961) and HOBERLANDT (1967) is a mere synonym of *lateralis* sec. JANSSON (1986), BAENA & BAEZ (1990)
Alegranza

Sigara (*Tropocorixa*) *hoggarica* POISSON, 1929
BAENA & BAEZ (1990) ..
C

Sigara (Vermicorixa) *scripta* (RAMBUR, 1842)
It has been verified that the reported specimens belong to *S. lateralis* (LEACH, 1817), for which reason this species has been excluded from the Canarian fauna by BAENA & BAEZ (1990)

Sigara (*Halicorixa*) *selecta* (FIEBER, 1848)
Sigara lugubris (FIEBER, 1848) = *S. stagnalis* (LEACH, 1817) of NOUALHIER (1893) sec. BAENA & BAEZ (1990); *S. stagnalis* NIESER & MONTES (1984)
C

Family Notonectidae

Anisops sardeus HERRICH-SCHAEFFER, 1853
BAENA & BAEZ (1990)
Alegranza

Family Hebridae

Hebrus pusillus (FALLEN, 1807)
The taxonomic status of the reported ssp. *canariensis* POISSON, 1954 is questioned by NIESER & MONTES (1984) and BAENA & BAEZ (1990)

Merrigata hebroides BUCHANAN WHITE, 1877
BAENA & BAEZ (1990)
H, F

Family Hydrometridae

Hydrometra stagnorum (LINNAEUS, 1758)
New for F, L, cited in a table without giving data, BAENA & BAEZ (1990)

Family Miridae Subfam. Dicyphinae

Cyrtopeltis (*Canariesia*) *salviae* CARAPEZZA, 1988
CARAPEZZA (1988)
New subgenus and species described on material from Tenerife.
T

Dicyphus baezi RIBES, 1983
The unknown female has been discovered and a brief description is given: *Macropterous*. Hemelytra slightly surpassing the apex of abdomen (considerably in). Antennal segment II yellowish with dark basal 1/3 and black apical 1/3. In III only the basal 1/4 is yellowish (II with a wide dark subapical ring and light coloured

III in). Posterior lobe of pronotum with transverse rugosities (not distinct in). Dark coloration on corium less extended than in male. Morphology and pilosity as in male. Length 4.5 mm.

T - Aguamansa, 0/1 1.X.56. MORALES *leg. et coll.*, RIBES *der.*

Subfam. Mirinae

Pinalitus conspurcatus (REUTER, 1873) = *Orthops conspurcatus* KERZHNER (1988a)

New generic assignment

Pinalitus insularis (REUTER, 1895) = *Orthops insularis* KERZHNER (1988a)

New generic assignment

Phytocoris (Eckerleinius) meinanderi WAGNER, 1968
WAGNER 1968, 1970-75, 1978; LINNAVUORI (1972); RIBES (1978)
F, L, Graciosa

Subfam. Phylinae

Compsidoion (Chamaeliops) coiiare WAGNER, 1976
WAGNER (1978), add.ref. for T

Maurodactylus gomerensis WAGNER, 1954
ASHMOLE & ASHMOLE (1988a)

T - 1/1, 15. and 22.11.84, Teide on snow, RIBES *det. et coll.*

Tuponia (Chlorotuponia) verticata WAGNER, 1975
WAGNER 1978, add.ref. for T

Family Anthocoridae
Subfam. Xylorinae

The former subfamily *Lyctocorinae* has been given family rank (with the only genus *Lyctocoris*) by SCHUH & STYS (1991). Following their well founded assignment, the remaining genera reported from Canary Islands (*Brachysteles*,

Cardiastethus, *Scoioposceis*, *Xylocoris*) are therefore placed here in *Xylocorinae*.

Xylocoris obliquus COSTA, 1852

GOMEZ MENOR (1956); STICHEL (1955-62); not mentioned from the Canary Islands by PÉRICART (1972)

T

Family Nabidae
Subfam. Nabinae

Halonabis sareptanus occidentalis KERZHNER, 1963
KERZHNER (1988b)

The author has revised the material cited by LINDBERG & WAGNER (1965) and confirms that it belongs to *H. occidentalis*. KERZHNER (1963) has originally described *occidentalis* as a ssp. *ofsareptanus* but gave it specific rank later. PÉRICART (1987), whom we follow here has treated it again as a subspecies.

Family Reduviidae
Subfam. Emesinae

Empicoris salinus (LINDBERG, 1932)
VIDAL 1938; later repeated by DISPONS 1955; STICHEL (1955-62);
WYGODZINSKY 1966; RIBES (1973)
"Canary Islands"

The record given by VIDAL refers to a specimen, which has been found in Morocco on bananas, which were imported from Canary Islands. Now a male specimen from Tenerife, HEISS *leg.*, which belongs to the *salinus*-group proves the previous record. A revision of the western european species of *Empicoris* is in preparation by PUTSHKOV and RIBES.

Ploiaria chilensis (PHILIPPI, 1862)

WYGODZINSKY 1966, ASHMOLE & ASHMOLE (1988b), add.ref. for T

Subfam. Peiratinae

The name *Peiratinae* AMYOT *el* SERVILLE, (1843) and PEIRATES SERVILLE, (1831) has been introduced by PUTSHKOV & PUTSHKOV (1985). Subsequently

followed by KANYUKOVA (1988) but not by PUTSHKOV (1987) and GÜNTHER & SCHUSTER (1990).

Ectomocoris chiragra (FABRICIUS, 1803) = *Peirates chiragra*
LINNAVUORI (1972a)
New generic assignment

Subfam. Harpactorinae

Coranus kerzhneri PUTSHKOV, 1982
PUTSHKOV (1987)
"Canary Islands"

Family Aradidae
Subfam. Aradinae

Aradus canariensis KORMILEV, 1954
ASHMOLE & ASHMOLE (1988a, 1989)
T - add. reference from Teide on snow, 1/0 15.II.84, RIBES *der.*

Family Berytidae
Subfam. Berytinae

Berytinus (Lizinus) geniculatus HORVATH, 1885
PÉRICART (1984)
T

Berytinus (s.str.) hirticornis pilipes PUTON, 1875
= *hirticornis nigrolineatus* in HEISS & BAEZ (1990)
PÉRICART (1984)
Subspecific reassignment as ssp. *pilipes* represents the west mediterranean subspecies. Recorded from
H, P, T

Berytinus (Lizinus) montivagus (MEYER-DÜR, 1841)
PÉRICART (1984), additional record for
C

Neides aduncus FIEBER, 1859
PÉRICART (1984), additional record for
C

Family Lygaeidae
Subfam. Orsilineae

Nysius (Macroparius) cymoides (SPINOLA, 1840)
BLÔTE (1929), LINDBERG (1936, 1953)
As part of the material cited by the latter author was used for the description of *N. latus* WAGNER, 1958, the distribution of *N. cymoides* on the islands is not clear, but seems to be common.
P G T C F (?)

Nysius (s.str.) thymi latus WAGNER, 1958 = *Nysius latus* WAGNER, 1958
LINNAVUORI (1986).
According to PÉRICART *in litt.* *N. latus* might be a synonym of *N. ericae* (SCHILLING, 1829). ASHMOLE & ASHMOLE (1988a) report some specimens from T, Teide on snow, 30.III. and 1.V.84, RIBES *det.*
New specific assignment.

Subfam. Ischnorhynchinae

Kleidocerys ericae (HORVATH, 1909) = *K. truncatulus truncatulus* auct.
CARAYON, 1989
The author has investigated the European species and considers *K. truncatulus* (WALKER, 1872) as an endemic species of Madeira.
Canarian specimens belong to the widespread Euro-Mediterranean *K. ericae*.

Subfamily Geocorinae

Geocoris (Eilatus) chloroticus PUTON, 1888 = *G. nigriceps*, 1891
LINNAVUORI (1972b)
New subgeneric assignment.
PÉRICART & RIBES (1992)
New synonymy.

Geocoris (s.str.) pubescens (JAKOVLEV, 1871) = *G. timidus* (PUTON, 1873)

PÉRICART & RIBES, 1992

New synonymy.

Subfam. *Oxycareninae*

Neocamptotelus aeonii (LINDBERG, 1953) = *Camptotelus aeonii*

HOBERLANDT (1987)

New genus erected for this species

Bethylimorphus leucophaes LINDBERG, 1953

SEIDENSTÜCKER (1964)

New assignment to subfamily *Oxycareninae* not *Bledionotinae*

Subfam. *Rhyparochrominae*

Remaudiereana annulipes (BÄRENSPRUNG, 1859) = *Pachybrachius*

annulipes SCUDDER (1962)

New generic assignment

Eremocoris wagneri LINDBERG, 1961 = ? *E. maderensis* HEISS & BAEZ, 1990

SLATER (1964); TAMANINI (1974)

The latter author considers this species synonymous with *E. maderensis*

WOLLASTON, without formally synonymizing them.

H P G T

Family *Coreidae*

Subfam. *Coreinae*

Haploprocta sulcicornis insularis LINDBERG, 1953

LINDBERG (1953); HOBERLANDT (1967); VAZQUEZ (1987)

All Canarian records belong to this ssp.

Family *Rhopalidae*

Subfam. *Rhopalinae*

Leptoglossus australis (FABRICIUS, 1775) = *L. membranaceus* (FABRICIUS, 1781)

ALLEN (1969)

Corizus hyoscyami nigradorsum (PUTON, 1874)

GOLLNER-SCHIEDMG (1980); VAZQUEZ (1987)

New subspecific assignment. All records reported as *C. nigradorsum* belong to this subspecies.

Stictopleurus abutilon (ROSSI, 1790)

GOLLNER-SCHIEDMG (1975); VAZQUEZ (1987)

Was unclear to LINDBERG (1953), who assigned all records to *S. pictus*. As GÖLLNER *loc. cit.* indicates, that she has seen material from the Canary Islands, no details of distribution on the islands are known to date.

Stictopleurus ribesi GOLLNER-SCHIEDMG, 1975

GÖLLNER-SCHIEDMG (1975); VAZQUEZ (1987)

T

Sficopleurussubfomentosus REY, 1888

GOLLNER-SCHIEDMG (1975); VAZQUEZ (1987), MOULET (1991)

Stictopleurus subtomentosus REY, 1888 = *S. riveti* ROYER, 1923 (MOULET, 1991)

T

Family *Scutelleridae*

Odontotarsus iniermedius HORVATH, 1923

GÖLLNER-SCHIEDMG (1990)

Canary Islands. No data of dispersion on the islands are given.

Odonfoscelis dorsalis (FABRICIUS, 1803) = *O. lineola* (RAMBUR, 1842) in HEISS & BAEZ 1990

GYLLENSVÄRD 1968 (*O. dubius f. dorsalis!*); GÖLLNER-SCHIEDMG 1986

LINDBERG 1961, reassigned previous records of *O. fuliginosa* to *O. dubia* WAGNER, 1957. As the latter species has later been synonymized with *O. lineola* by KERZHNER 1976, HEISS & BAEZ reported LINDBERG's and GYLLENSVÄRD's dubia as *lineola*. According to GOLLNER-SCHIEDMG "lineola"-species from the Canary Islands belong certainly to *dorsalis*.

Family *Pentatomidae*

Subfam. *Asopinae*

Macrorhaphis acuta DALLAS, 1851

SCHMITZ (1976:373)

The author reports that he has seen a specimen from the Canary Islands, but gives no further details. Species with African distribution, also known from the Cape Verde Islands.

Subfam. *Pentatominae*

Dolycoris baccarum (LINNAEUS, 1758)

TAMANINI (1959); LINDBERG (1961)

C

LIMDBERG (1953) reports only *D.numidicus* from the Canary Islands, but TAMANINI (1959) excludes it from there and gives the only reference for *baccarum*. Contrariy REMANE & KAMMERSCHEN (1991b) retain TAMANINI's citation as very doubtful as all specimens they collected in Madeira and the Canary Islands belong to *numidicus*. They also state that only the males can be distinguished. Whatever the case may be, further material is necessary to prove if both species occur on the Canary Islands like *Coranus aegyptius* and *C.griseus* (see section 2.2).

Family *Cydnidae*

Subfam. *Sehirinae*

Ochetostethus tarsalis (MULSANT, 1852) = ? *O.opacus* of HEISS & BAEZ (1990)

KERZHNER (1976) did not report *opacus* from Western Europe or Maghreb, for which reason the Canaran specimens had better be assigned to *tarsalis*.

Subfam. *Cydninae*

Aethus pallidus (PUTON, 1887) = *Byrsinocoris pallidus* WAGNER, 1964

New generic assignment due to synonymy

2.2 Additional records new to the Canary Islands

Family *Miridae*

Subfam. *Phylinae*

Chamaepsallus signaticornis (REUTER, 1904)

H - Boca Cueva de Don Justo, 0/1 2.VIII.87, ASHMOLE leg., RIBES det.et coll.

Immature species.

T - Tejeína, 0/1 22.V.80, MORALES leg.et coll., RIBES det. This is similar to specimens collected in the desert of Tafilalt, SE Morocco in 1990.

Family *Antho coridae*

Subfam. *Dufouriellinae*

Dufouriellus ater (DUFOUR, 1833)

F - Vega de Río Palmas, 10.V.88, a series on trunks of fig tree, MORALES leg., RIBES der.et coll.

Family *Lyc t o c o r i d a e*

Lyc t o c o r i s (s.str.) *dimidiatus* (SPINOLA, 1837)

T - Bajamar, 0/1 11.75, BACALLADO leg., RIBES det. et coll.

Family *R e d u v i i d a e*

Subfam. *H a r p a c t o r i n a e*

Coranus griseus (ROSSI, 1790)

T - Las Cañadas, 1/0 26.11.64 RIBES leg., Candelaria, 25.II.91 YÉLAMOS leg., RIBES det.sensu PUTSHKOV. The species is recorded as "*C.aegyptius*" auct. from Europe.

Coranus aegyptius (FABRICIUS, 1775)

T - Santa Cruz de Tenerife, 1/0 26.11.82 CAMPOS leg., same locality, costa sur, 2/2 7. and 22.XII.58, MORALES leg.et coll., RIBES det. et coll.

G - San Sebastián, 1/0 23.11.91, YÉLAMOS leg. Recorded also from Madeira; Ponta de São Lourenço, 2.VI.89 de FERRER leg. RIBES det.sensu PUTSHKOV.

The previous citations of this species are to be verified.

Family *T i n g i d a e*

Subfam. *T i n g i n a e*

Tingis (*Tropidocheila*) *ajugarum* (FREY - GESSNER, 1872)

L - Playa Blanca, 8/4 1.-6.III.90 on a small *Lumiaceae*, HEISS leg.

Family Aradidae
Subfam. Aradinae

Aradus reuterianus PUTON, 1875

P - Cumbre 2000m, Roque de los Muchachos, 1/1 1L, spring 1983 on rotten logs of *Pinus canariensis*, FRANZ leg. HEISS det., coll. FRANZ et HEISS

T - El Gaitero, 1/0 17.VIII.79, AGUILAR leg., RIBES det., coll. Univ. La Laguna

Family Lygaeidae
Subfam. Lygaeinae

Spilostethus saxatilis (SCOPOLI, 1763)

L - Playa Grisinetá, 17.VIII.72 COMAS leg., RIBES det., Famara, XII. 91, a series on *Androcymbium gramineum* ssp. *psammophilum* (Svent.) Kunkel (*Liliaceae*), leg. HANDKE vid. HEISS.

Subfam. Geocorinae

Geocoris (s.str.) *collaris* PUTON, 1878

F - Corralejo, 1/0 13.11.77, OROMÍ leg., RIBES det. et coll. "Fuerteventura", 1/0, FRANZ leg., RIBES det.

L - Playa Blanca, 0/1 and Jaiza, 0/1 1.-6.III.90, HEISS leg. et coll., RIBES det.

Geocoris (s.str.) *erytrops* (DUFOUR, 1857) = *G. scutellaris* PUTON, 1886

F - Corralejo, 12.V.88 de FERRER leg. RIBES det. a series of specimens. They are identical to specimens which were collected in the desert of Tafilalet, SE Morocco in 1990.

L - Playa Blanca, 0/2 1.-6.III.90, HEISS leg. et coll., RIBES det. The above synonymy is discussed by PÉRICART & RIBES (1992):

Subfam. Rhyparochrominae

Stygnocoris fuliginosus (GEOFFROY, 1785)

T - La Esperanza, 22.X.86 ESCOLÀ leg., RIBES det., Coll. Mus. Zool. Barc.

Family Pentatomidae
Subfam. Podopinae

Ventocoris modestus (JAKOVLEV, 1880)

T - Santa Cruz de Tenerife, 25.III.82 OROMÍ leg., RIBES det. et coll. one male.

Subfam. Pentatominae

Sciocoris (*Neosciocoris*) *conspurcarus majusculus* LINNAVUORI, 1964
(= *S. carayoni* WAGNER, 1965)

F - Corralejo, 12.V.88 de FERRER leg. NBES det. This species and *C. fissus* MLS. & REY are difficult to distinguish from each other but the single female specimen shares the characters given for the West mediterranean ssp. of *conspurcarus*.

Family Cydnidae
Subfam. Cydninae

Georomus punctulatus (COSTA, 1847)

F - La Oliva, 1/0 6.XII.79, OROMÍ leg., RIBES det. et coll.

Georomus longicornis WAGNER, 1953

F - Presa de las Molinos, 0/1 1.III.90, OROMÍ leg., RIBES det. et coll. VERISIMILITER.

2.3 Additional records new to individual islands

Cyrtopeltis (*Nesidiocoris*) *tenuis* (REUTER, 1895)

L - Famara, XII.91, leg. HANDKE

Eurystylus occidentalis WAGNER, 1954

L - Playa Blanca, 1.-6.III.91 a series on *Suaeda* sp., HEISS leg.

Aetorhinella parviceps NOUALHIER, 1893

H - Mancafite, 1/0 10.V.84, OROMÍ leg., RIBES det. et coll.

Heterocordylus (s.str.) *tibialis* (HAHN, 1881) = *H. tibialis mediterraneus* WAGNER, 1962

G - "La Gomera", 1/0 4.V.86, FERRER leg., RIBES det. et coll. The above synonymy is discussed in a paper (in print) by RIBES.

Lindbergopsallus hyperici (LINDBERG, 1953)

H - supra Frontera, 19.IV.91 a series on *Hypericum canariense*, HEISS leg.

Lindbergopsallus instabilis (REUTER, 1904)

H - Valverde, 0/2 19.IV.91 on *Lavandula canariensis*, together with the endemic *Heterogaster canariensis* Lbg., HEISS leg.

Lindbergopsallus laureti (LINDBERG, 1936)

H - Ladera Mauricio, 1/0 14.V.84, OROMÍ leg., RIBES det. et coll.

Brachysteles wollastoni BUCHANAN WHITE, 1879

C - Barranco Oscuro, 0/1 8.I.88., OROMÍ leg., RIBES det. et coll.

Xylocoris contiguus WAGNER, 1954

P - Pico de la Cruz, 1/0 1.III.87, OROMÍ leg., RIBES det. et coll.; Roque de los Muchachos, 0/1 1.III.87., OROMÍ leg., RIBES det., coll. Univ. La Laguna.

Peirates strepitans (RAMBUR, 1842)

F - Presa de los Molinos, 0/2 1.III.90, OROMÍ leg., RIBES der., coll. Univ. La Laguna et RIBES.

Acalypta parvula (FALLÉN, 1807)

P - Cumbre Nueva, 18.XII.82, OROMÍ leg., RIBES det. et coll.

Galeatus scrophicus SAUNDERS, 1874

L - Playa Blanca, 0/1 1.-6.III.90, HEISS leg.

Tingis (s.str.) maderensis (REUTER, 1890)

H - Mirador de Jinama 1000m 18.IV.91 a series on *Carduus* sp., HEISS leg.

Tingis (Tropidocheila) liturata (FIEBER, 1844)

L - Playa Blanca, 1/1 1.-6.III.90., HEISS leg.

Aneurus avenius tagasastei ENDERLEIN, 1931

H - supra Frontera, 2/1 2L 19.IV.91., under loose bark of *Myrica faya*, HEISS leg.

Berytinus (Lizinus) geniculatus HORVÁTH, 1895

L - La Geria, 0/1 1.-6.III.90., HEISS leg.

Nysius (s.str.) ericae (SCHILLING, 1829)

L - El Golfo, 1.-6.III.90 a small series, HEISS leg. PÉRICART det.

Confirmed material is further from:

P - Breña Baja, IV.88 and Sta. Cruz, VII.89., HEISS leg.

T - El Médano, FRANZ leg., Puerto de la Cruz and Los Cristianos, HEISS leg., all PÉRICART det.

Nysius (s.str.) cymoides (SPINOLA, 1840)

H - supra Frontera, 19.IV.91., HEISS leg. PÉRICART der.

Records for the following islands are now confirmed (PÉRICART det., coll. HEISS)

P - Breña Baja, IV.88, VI.89 HEISS leg.

G - La Caleta, IV.72 KLIMESCH leg.

T - Cañadas IV.88, La Orotava, Los Cristianos, HEISS leg. Las Cañadas, a series 26.III.64, RIBES leg., WAGNER det., coll. RIBES et Univ. La Laguna. Arenas Negras, 28.V.83, MORALES leg., RIBES der. et coll.

C - Sta. Lucía, Artenara, Tejeda, HEISS leg.

F - Morro Jable, 28.XI.87, de FERRER leg., PÉRICART der., RIBES coll.

L - Playa Blanca III.90., HEISS leg.

Geocoris (Eilatus) chloroticus PUTON, 1888 = *G. nigriceps* REUTER, 1891

T - La Laguna, 4.III.77., OROMÍ leg., RIBES der., coll. Univ. La Laguna.

Geocoris (s.str.) pubescens (JAKOVLEV, 1871)

H - Mirador de Jinama, 1000m. 18.IV.91., HEISS leg.

Platyplax inermis (RAMBUR, 1842)

L - Playa Blanca, 2/3 1.-6.III.90., HEISS leg.

Neocamptotelus aeonii (LINDBERG, 1953)

H - Mirador de Jinama, 1000m 1/4 18.IV.91 under low vegetation of *Micromeria* sp. and *Lotus* sp., HEISS leg, coll. HEISS and RIBES.

G - Hermigua, 0/1 28.XI.85, OROMÍ leg., RIBES det. et coll.

The specimens mentioned above differ from LINDBERG's description by antennal segment II shorter than III + IV (equal to III + IV) and by dark antennal segment I (yellowish-brown), sharing the other characters given. Comparison with types is necessary to clear the range of variability.

Oxycarenus lavaterae (FABRICIUS, 1787)

L - Playa Blanca, Los Valles, 1.-6.III.90., HEISS leg. Famara, XII.91., HANDKE leg.

Aphanus rolandri (LINNAEUS, 1758)

F - Jandía, 0/1 19.II.71., SANTOS *leg.*, RIBES *det.*, coll. Univ. La Laguna

Beosus maritimus (SCOPOLI, 1763)

H - Valverde, 19.IV.91., HEISS *leg.*

Emblethis duplicarus SEIDENSTÜCKER, 1963

P - San Andrés, 1/0 3.XI.77., FERNÁNDEZ *leg.*, RIBES *det. et coll.*

Emblethis denticollis HORVÁTH, 1878

G - El Cedro, 1/0 12.VIII.77., **OROMÍ** *leg.*, RIBES *det. et coll.* Specimen without anterior lateroventral pronotal dilatations.

T - Los Baldíos, 0/1 20.X.81., SÁNCHEZ *leg.* Specimen with pronotal dilatations. Verified record.

Lamprodema maurum (FABRICIUS, 1803)

L - Mojón Blanco, 0/2 25.XI.88., **OROMÍ** *leg.*; Dunas de Orzola, 7.II.88., RIBES *det.*, coll. Univ. La Laguna

Peritrechus gracilicornis PUTON, 1877

P - Los Tilos, 24.IX.75., FERNÁNDEZ *leg.*, RIBES *det. et coll.*

Proderus suberythropus (COSTA, 1841)

P - Santa Cruz de la Palma, 17.VIII.81., RAFAEL GP *leg.*, RIBES *det. et coll.*

Cercinthus lehmanni (KOLENATI, 1856)

T - Las Caletillas, 1/0 11.II.82., AMAR *leg.*, RIBES *det. et coll.*

Camptopus lateralis (GERMAR, 1817)

G - El Cedro, 0/1 5.V.86., FERRER *leg.*, RIBES *det. et coll.*

Liorhyssus hyalinus (FABRICIUS, 1794)

L - Playa Blanca, El Golfo, 1.-6.III.90 common under halophytic plants, HEISS *leg.*

Stictopleurus ribesi GÖLLNER-SCHIEDING, 1975

H - El Golfo, Las Casitas, 2/0 19.IV.91., HEISS *leg.*

Odontoscelis dorsalis (FABRICIUS, 1803)

L - Playa Blanca, 0/9 1.-6.III.90 in swimming pool, HEISS *leg.*

Acrosternum rubescens (NOUALHIER, 1893)

L - El Golfo, 2/0 1.-6.III.90 on *Euphorbia regis-jubae*, HEISS *leg.* Costa del Rubicón, 0/1 25.II.91., GUSENLEITNER *leg.*, HEISS coll.

Mecidea lindbergi WAGNER, 1954

L - Famara, XII.91., HANDKE *leg.*

Nezara viridula (LINNAEUS, 1758)

L - Playa Blanca, 0/1 21.II.90., GUSENLEITNER *leg.*, HEISS coll.

Piezodorus punctipes PUTON, 1889

H - Mirador de la Peña, 1/0 19.IV.91 on Teline sp., HEISS *leg.*

Aethus pilosulus (KLUG, 1845)

L - Playa de Famara, 0/1 6.II.89., **OROMÍ** *leg.*, RIBES *det.*, coll. Univ. La Laguna

2.4 Species inquirenda

Here we list those species which have been cited in the literature from the "Canary Islands" and those most probably assigned to a wrong taxon. In both cases neither the source material nor the presence on the islands could be verified, as no subsequent records are known. Their occurrence on the Canary Islands remains doubtful unless future investigations show that these taxa really belong to the insular fauna. Meanwhile we propose, that these taxa should not be regarded as belonging to the fauna of the Canary Islands.

Some of such species inquirenda were already listed in the preliminary catalogue and comprise mainly ancient citations e.g. by the first entomologist reporting *Heteroptera* from the Canary Islands, such as M. BRULLÉ (1838) and other authors, who have later been repeated by recent authors without further investigation. Their taxonomic assignment is very doubtful and no recent material has been found.

The following species are concerned (page numbers refer to HEISS & BAEZ, 1990):

<i>Lygus pratensis</i>	(285)
<i>Aellopus syriacus</i>	(298)
<i>Lamproplaxpiceus</i>	(299) introduced species
<i>Cenrocoris spiniger</i>	(300)
<i>Cercinthus elegans</i>	(301)
<i>Carpocoris mediterraneus</i>	(303)
<i>Eurydema ventrale</i>	(303) see REMANE & KAMMERSCHEN, 1991a
<i>Holcostethus vernalis</i>	(303)

Further doubtful literature citations:

Family *C o r i x i d a e*
Subfam. *C o r i x i n a e*

Corixa punctata (ILLIGER, 1807)
BRULLÉ (18389; LINDBERG (1953); NIESER & MONTES (1984).

C. geoffroyi LEACH, LINDBERG 1936.
This species is not included in the **Canarian** fauna by BAENA & BAEZ (1990), but is reported **from** Madeira by HOBERLANDT (1967)

Family *M i r i d a e*

Miris fuscicornis BRULLÉ, 1838
BRULLÉ (1838); LINDBERG (1936), OSHANIN (1906-1909, 1912); CARVALHO (1959)

"Canary Islands"

Although the first citation has been repeated several times, LINDBERG (1936) has stated, that the identity of this and the following species could never have been cleared. We propose that both names should be deleted from the list.

Miris parvula BRULLÉ, 1838
See comments of *Mfuscicornis*

Subfam. *P h y l i n a e*

Conostethus roseus (FALLEN, 1829)
CARVALHO (1958)
"Canary Islands"

Plagiognathus (s.str.) arbustorum (FABRICIUS, 1794)
STICHEL (Bd. II, 1956); CARVALHO (1958)
"Canary Islands"

Psallus (Iiops) puncticoiis FIEBER, 1870
WAGNER (1970-75, Bd. II: 178)
The author indicates that this species is supposed to occur on the **Canary** Islands also, but there is **no evidence so far**.

Tuponia (s.str.) tamaricis (PERRIS, 1857)
STICHEL (Bd. II, 1956); CARVALHO (1958); WAGNER (1970-75)
"Canary Islands"

Distribution not clear *sec.* WAGNER (1975:432). The **citation** by STICHEL may refer to **PUTON** (1889) and LINDBERG (1936), but **this** reference has later been assigned to *T. lethierryi* (REUTER, 1875) by LINDBERG (1953)

Family *R e d u v i d a e*
Subfam. *E m e s i n a e*

Ploiaria domesrica SCOPOLI, 1786
DISPONS (1955, 1960); STICHEL (1955-62); but not recorded from the Canary Islands by WYGODZINSKY (1966)
"Canary Islands"

Tinna grassator (PUTON, 1874)
WYGODZINSKY (1966)

Cerascopus grassator NOUALHIER, 1893 From C, Arganiguin. This citation is mentioned with a **?** under *Ploiaria canariensis* NOUALHIER, 1895 = *P. chiensis* PHILIPPI, 1862 by LINDBERG (1953).

WYGODZINSKY *loc.cit.*:211 states that the record given by NOUALHIER is almost **certainly** secondary also.

Family *L y g a e i d a e*
Subfam. *L y g a e i n a e*

Lygaeosoma sardeum erythropterum PUTON, 1876
SLATER (1964), as ssp.
L. reticulatum var. e. NOUALHIER 1893; LINDBERG (1934)

As several citations of the nominal form are known from P, G, T and C it is to be verified, if *ssp. erythropterum* does coexist in T.

Subfam. *O r s i l i n a e*

Nysius (Macroparius) graminicola (KOLENATI, 1846)
SLATER (1964), following MANCINI (1956)
"Canary Islands"

Nysius (Tropinysius) contiguus (WALKER, 1872)

SLATER (1964), following OSHANIN (1912), who included Madeira, the type locality, into Canary Islands. Very doubtful, as *N. contiguus* seems to be endemic to Madeira proper.

Nysius (Anorfhuna) atlantidum HORVATH, 1.890

SLATER (1964), following again OSHANIN (1912), who obviously included the Azores, the type locality, in the Canary Islands. Most probably an erroneous citation.

Subfam. R h y p a r o c h r o m i n a e

Esuridea lathridioides PUTON, 1889 (*maculata*, 1890)

SLATER (1964), following OSHANIN (1912), BLOETE (1929) and LINDBERG (1936).

A Madeiran species, see comments above.

Family C o r e i d a e

Subfam. P s e u d o p h l o e i n a e (*Arenocorinae* sec. VAZQUEZ, 1987)

Arenocoris falleni (SCHILLING, 1829)

VAZQUEZ 1987

This reference is obviously based on the record given by BRULLÉ (1838). Already LINDBERG (1953) had serious doubts about the correctness of the determination and regarded it as the common *A. waltli*.

Coriomeris hirficornis (FABRICIUS, 1794)

VAZQUEZ 1987

Also based on a reference by BRULLÉ 1838 and is regarded as the common *C. affinis* by LINDBERG 1953.

Family R h o p a l i d a e

Subfam. R h o p a l i n a e

Stictopleurus crassicornis (LINNAEUS, 1758)

NOUALHIER (1893) (var. *anticus* Rey); GÖLLNER-SCHIEDING (1975); VAZQUEZ (1987)

According to GOLLNER this is an Euro-siberian species which does not occur in northern Africa and the southern Mediterranean region. She states therefore, that

ancient citations of that region are very doubtful.

Family P e n t a t o m i d a e

Subfam. P e n t a t o m i n a e

Sciocoris (Neosciocoris) conspurcatus KLUG, 1845

STICHEL (1955-62)

The citation "*Canary* Islands" is doubtful for this eremean species.

Most possibly confused with other species (*S. fissus* MULSANT et REY or *S. conspurcatus majusculus* LINNAVUORI, 1964 = *carayoni* WAGNER, 1965 sec. LINNAVUORI) 1975) et RIBES & SAULEDA (1979)

3. E R R A T A

They refer to the published preliminary catalogue and should be changed as follows:

page 281	preliminar catalog	-	preliminary catalogue (2x)
281	Josef-Schraffe-strasse	-	Josef-Schraffl-Strasse
281	been recording	-	been recorded
286	<i>Phytodorus refamae</i>	-	<i>Phyfocoris retamae</i>
288	<i>Compsidolon (Coniortodes)</i>		
	<i>hierroensis</i>	-	<i>hierroense</i>
296	Ischnorrhynchinae	-	Ischnorhynchinae
296	Kleidocerus	-	<i>Kleidocerys</i>
298	veryfied	-	verified
301	Pseudophloeinae	-	Pseudophloeinae
305	<i>Actorrhinella</i>	-	<i>Aetorrhinella</i>
305	(<i>alluadi, Carpocoris</i>)	-	<i>alluadi</i>
305	(<i>alluadi, Dolycoris</i>)	-	<i>alluadi</i>
305	<i>alluadi, Eudolycoris</i>	-	<i>alluadi</i>
312	<i>strepitans, Pirates</i>	-	<i>Peirafes</i>

ACKNOWLEDGMENTS

For presenting their interesting material we thank M. and P. ASHMOLE (Edinburgh), K. G. BERNHARDT (Osnabrück), J. COMAS (Barcelona), J. DEFERRER (Algeciras), H. FRANZ (Mödling), J. GUSENLEITNER (Linz), M. MORALES (Santa Cruz de Tenerife), T. YÉLAMOS (Barcelona) and are particularly grateful to P. OROMÍ (La Laguna).

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