

# The Type Material of Families Achilidae, Cixiidae and Tropiduchidae (Hemiptera-Auchenorrhyncha) in the Museum and Institute of Zoology PAS, Warsaw

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**Abstract.** The type specimens of *Hemiptera-Auchenorrhyncha* of the family *Achilidae*, *Cixiidae*, and *Tropiduchidae*, preserved in the Museum and Institute of Zoology of the Polish Academy of Sciences in Warsaw, are listed.

**Key words.** *Hemiptera*, *Auchenorrhyncha*, *Achilidae*, *Cixiidae*, *Tropiduchidae*, type specimens.

## INTRODUCTION

The following list includes type specimens of 27 nominal species and subspecies of family *Achilidae*, *Cixiidae*, and *Tropiduchidae* preserved in the Museum and Institute of Zoology of the Polish Academy of Sciences in Warsaw (MZPW).

The family *Achilidae* is represented by 6 nominal species and 1 nominal subspecies described by SCHMIDT, JACOBI and FENNAH. The family *Cixiidae* is represented by 8 nominal species and 2 nominal subspecies described by SCHMIDT, FENNAH, LINNAUVORI and STÅL. The family *Tropiduchidae* is represented by 9 nominal species and 1 nominal subspecies described by SCHMIDT and FENNAH.

The list is arranged alphabetically by family, genera and species according to the names in original descriptions. The species name is followed by the author and bibliographic citation. The contents of the individual labels are limited by quotation marks and separated by the comma.

The specimens included in the list are individually numbered and labelled for an inventory purposes. All specimens have two museum registration labels

attached. One of them is white and bear the inscription in print: "Mus. Zool. Polonicum Warszawa [accession No]" or "Inst. Zool. PAN Warszawa [accession No]", the second one is red with the following inscription in print: "Mus. Zool. Polonicum Warszawa Typus n. [museum type number] [original name, author and year] [kind of the type]".

All the data published in the list are being simultaneously recorded in a computer data base in the Zoological Museum, and potential borrowers of the specimens may refer both to the name or to the number of particular specimen they want to borrow for study.

## LIST OF SPECIMENS

### *Achilidae*

*Eurynomeus siebereri* SCHMIDT, 1926: 235

SYNTYPE female (No. 2538) labels: "Buru 1921 Station 13 2-7X leg. L. J. Toxopeus", "Typus", "Eurynomeus Siebereri Schmidt ♀ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2539) labels: "Buru 1921 Station 9 15-VII leg. L. J. Toxopeus", "Co=Typus", "Eurynomeus Siebereri Schmidt ♀ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

*Eurynomenus similis* SCHMIDT, 1926: 234

HOLOTYPE female (No. 2537) labels: "Buru 1921 Station 1 V leg. L. J. Toxopeus", "Typus", "Eurynomeus similis Schmidt ♀ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

*Francesca sparsa* JACOBI, 1928: 25

SYNTYPE female (No. 2540) labels: "Malanda", "Queensl. Mjöberg", "1927 5", "Cotypus", "Francesca sparsa Jac.", "Mus. Zool. Polonicum Warszawa 12/45".

*Hamba seleucus* FENNAH, 1978: 247

HOLOTYPE male (No. 2541) labels: "Viet - Nam, Bao-Ha S Fan-Si-Pan 4-11. IV. 1962 A. Warchałowski leg. /7301/", "Inst. Zool. P.A.N. Warszawa 59/62", "Holotype", "Hamba seleucus R. G. Fennah".

Note: Genitalia in vial of glycerin on pin.

PARATYPES females (No. 2542-2544) labels: "Viet-Nam, Bao-Ha S Fan-Si-Pan 4-11. IV. 1962 A. Warchałowski leg. /7301/", "Inst. Zool. P.A.N. Warszawa 59/62", "Paratype", "Hamba seleucus R. G. Fennah".

*Sieberella backhoffi* SCHMIDT, 1926: 234

SYNTYPE male (No. 2535) labels: "Buru 1921 Station 17 21/22 X leg. L. J. Toxopeus", "Typus", "Sieberella Backhoffi Schmidt ♂ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2536) labels: "Buru 1921 Station 17 21/22 X leg. L. J. Toxopeus", "Typus", "Sieberella Backhoffi Schmidt ♀ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45", "545".

Note: Prof. NAST mounted the genitalia on a slide, number 545 (not found).

*Tangina bipunctata hypenor* FENNAH, 1978: 251

HOLOTYPE male (No. 2546) label: "Viet-nam, Thanh-ha prov. Hoa Binh 12.6.1966 leg. R. Bielawski ♀ B. Pisarski /7813/", "Inst. Zool. P.A.N. Warszawa 52/66", "Holotype", "Tangina bipunctata hypenor R. G. Fennah".

Note: Genitalia in vial of glycerin on pin.

PARATYPE female (No. 2547) label: "Viet-nam, 7. 6. 1966 Cúo-phuong prov. Ninh Binh leg. R. Bielawski ♀ B. Pisarski /7810/", "Inst. Zool. P.A.N. Warszawa 52/66", "Paratype", "Tangina bipunctata hypenor R. G. Fennah".

*Usana demochares* FENNAH, 1978: 249

HOLOTYPE male (No. 2545) label: "Viet-nam, 7.6.1966 Cúo-phuong prov. Ninh Binh leg. R. Bielawski ♀ B. Pisarski /7810/", "Inst. Zool. P.A.N. Warszawa 52/66", "Holotype", "Usana demochares R. G. Fennah".

Note: Genitalia in vial of glycerin on pin.

### Cixiidae

*Andes truncatus* FENNAH, 1978: 208

HOLOTYPE male (No. 2558) labels: "Viet-nam, 7.6.1966 Cúo-phuong prov. Ninh Binh leg. R. Bielawski ♀ B. Pisarski /7810/", "Inst. Zool. P.A.N. Warszawa 52/66", "Holotype", "Andes truncatus Fennah det. R. G. Fennah".

Note: Genitalia in vial of glycerin on pin.

*Andes hemina* FENNAH, 1978: 209

PARATYPE female (No. 2559) labels: "Viet-nam, 11.6.1966 Cúo-phuong prov. Ninh Binh leg. R. Bielawski ♀ B. Pisarski /7812/", "Inst. Zool. P.A.N. Warszawa 52/66", "Paratype", "Andes hemina R. G. Fennah".

*Brixia buruana* SCHMIDT, 1926: 231

HOLOTYPE female (No. 2554) labels: "Buru 1921 Station 9 19-VI leg. L. J. Toxopeus", "Typus", "Brixia buruana Schmidt ♀ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".



***Borythenes nicanor*** FENNAH, 1978: 214

HOLOTYPE male (No. 2561) labels: "Viet-nam, 7.6.1966 Cúo-phuong prov. Ninh Binh leg. R. Bielawski ♀ B. Pisarski /7810/", "Inst. Zool. P.A.N. Warszawa 52/66", "Holotype", "Borythenes nicanor R. G. Fennah".

Note: Genitalia in vial of glycerin on pin.

***Kirbyana pratti thyas*** FENNAH, 1978: 212

HOLOTYPE male (No. 2560) labels: "Viet-nam, 5.6.1966 Cúo-phuong prov. Ninh Binh leg. R. Bielawski ♀ B. Pisarski /7808/", "Inst. Zool. P.A.N. Warszawa 52/66", "Holotype", "Kirbyana pratti thyas Fennah".

Note: Genitalia in vial of glycerin on pin.

***Leirioessa buruensis*** SCHMIDT, 1926: 230

SYNTYPE female (No. 2549) labels: "Buru 1921 Station 9 4.VII leg. L. J. Toxopeus", "Typus", "Leirioessa buruensis Schmidt ♀ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2550) labels: "Buru 1921 Station 9 leg. L. J. Toxopeus", "Co=Typus", "Leirioessa buruensis Schmidt ♀ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2551) labels: "Buru 1921 Station 9 17-VII leg. L. J. Toxopeus", "Co=Typus", "Leirioessa buruensis Schmidt ♀ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE male (No. 2552) labels: "Buru 1921 Station 13 I-IX leg. L. J. Toxopeus", "Typus", "Leirioessa buruensis Schmidt ♂ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45", "221".

Note: "Station 13" was not included in the original description. Prof. Nast mounted the genitalia on a slide, number 221.

***Oliarus buruanus*** SCHMIDT, 1926: 230

HOLOTYPE female (No. 2553) labels: "Buru 1921 Station 17 1300M leg. L. J. Toxopeus", "Typus", "Oliarus buruanus Schmidt ♀ Edm. Schmidt

determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

***Oliarus bimaculatus*** SCHMIDT, 1930: 116

HOLOTYPE male (No. 2555) labels: "L. G. E. Kalshoven Java Semarang Teak-Forest 10-11 1925. No.", "Typus", "Oliarus bimaculatus Schmidt ♂ Edm. Schmidt determ. 1929", "Mus. Zool. Polonicum Warszawa 12/45".

***Oliarus moestus iphis*** LINNAUVORI, 1973: 91

PARATYPES females (No. 2556 and 2557) labels: "Sudan. Upper Nile Malakal 5-20.1.63 Linnavuori", "Oliarus moestus St. ssp. iphis n. ssp.", "Inst. Zool. P.A.N. Warszawa 43/46"

Note: 2 specimens on pin.

***Cixius Sanctae-Helena*** STÅL, 1859: 272

SYNTYPE female (No. 2548) labels: "St. Helena Stål", "St. Helena Stål, St. Helena Stål", "Mus. Zool. Polonicum Warszawa 12/45".

Note: This name is considered a synonym of *Oliarus dividens* WALKER, 1858.

**Tropiduchidae*****Alcestis surinamensis*** SCHMIDT, 1911: 268

HOLOTYPE female (No. 2566) labels: "Surinam", "Type" "Alcestis surinamensis Schmidt ♀ Edm. Schmidt determ. 1911", "Alcumena surinamensis Schmidt ♀ Edm. Schmidt determ. 1931", "Mus. Zool. Polonicum Warszawa 12/45".

***Alcestis similis*** SCHMIDT, 1911: 266

SYNTYPE female (No. 2564) labels: "Espirito Santo Brasil. ex coll. Fruhstorfer", "Type", "Alcestis similis Schmidt ♀ Edm. Schmidt determ. 1911", "Alphesiboea similis Schmidt FEMALE Edm. Schmidt; determ. 1931", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2565) labels: "Espirito Santo Brasil. ex coll. Fruhstorfer", "Co=Typus", "Alcestis similis Schmidt ♀ Edm. Schmidt determ. 1911", "Alphesiboea similis Schmidt ♀ Edm.



Schmidt determ. 1931", "Mus. Zool. Polonicum Warszawa 12/45".

*Arenasella rubrovittata* SCHMIDT, 1932: 39

HOLOTYPE female (No. 2571) labels: "Columbien. Hac. Pehlke 1921 E. Pehlke S.", "Typus", "Arenasella rubrovittata Schmidt ♀ Edm. Schmidt determ. 1931", "Mus. Zool. Polonicum Warszawa 12/45".

*Epora callosa* FENNAH, 1978: 261

HOLOTYPE female (No. 2573) labels: "Vietnam, Chine ad Hanoi 25.6.1959 leg. B. Pisarski ♀ J. Prószyński (5868)", "Inst. Zool. P.A.N. Warszawa 58/59", "Holotype", "Epora callosa det. R. G. Fennah".

*Kirongoziella Kunstmanni* SCHMIDT, 1924: 38

HOLOTYPE female (No. 2568) labels: "Musée du Congo Lukombe 10.X.08 A. Koller", "E-Schmidt", "Typus", "Kirongoziella Kunstmanni Schmidt ♀ Edm. Schmidt determ. 1924", "Mus. Zool. Polonicum Warszawa 12/45".

*Mulucha castigatoria* SCHMIDT, 1918: 374

HOLOTYPE male (No. 2567) labels: "Chikai", "Type", "E. Schmidt", "Mulucha; castigatoria Schmidt ♂ Edm. Schmidt determ. 1919", "Mus. Zool. Polonicum Warszawa 12/45".

*Neomatissus jacobsoni tonkinensis* FENNAH, 1978: 260

HOLOTYPE female (No. 2572) labels: "Viet-nam, 10 km W Hanoi 25.5.1966 leg. R. Bielawski et B. Pisarski /7806/", "Inst. Zool. P.A.N.; Warszawa; 52/66", "Holotype", "Neomatissus jacobsoni tonkinensis R. G. Fennah".

*Neocatara buruensis* SCHMIDT, 1926: 232

HOLOTYPE female (No. 2569) labels: "Buru 1921 Station 9 12-VI leg. L. J. Toxopeus", "E-Schmidt", "Typus", "Neocarta buruensis Schmidt ♀ Edm.

Schmidt determ. 1925", "Mus. Zool. Polonicum Warszawa 12/45".

*Pelitropis insularis* SCHMIDT, 1932: 38

HOLOTYPE female (No. 2570) labels: "Cuba Riehl S.", "Type", "Pelitropis insularis Schmidt ♀ Edm. Schmidt determ. 1931", "Mus. Zool. Polonicum Warszawa 12/45".

*Tropiduchodes coleopteranus* SCHMIDT, 1910: 189

SYNTYPE female (No. 2562) labels: "Kamerun Barombi Conradt", "Type", "Tropiduchodes coleopteranus Schmidt ♀ Edm. Schmidt determ. 1909", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2563) labels: "Kamerun Barombi Conradt", "Co=Typus", "Tropiduchodes coleopteranus Schmidt ♀ Edm. Schmidt determ. 1909", "Mus. Zool. Polonicum Warszawa 12/45".

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