

The Type Material of Families Lophopidae, Nogodinidae and Ricaniidae (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 *Lophopidae*, *Nogodinidae*, and *Ricaniidae*, preserved in the Museum and Institute of Zoology of the Polish Academy of Sciences in Warsaw, are listed.

Key words. *Hemiptera*, *Auchenorrhyncha*, *Lophopidae*, *Nogodinidae*, *Ricaniidae*, type specimens.

INTRODUCTION

The following list includes type specimens of 40 nominal species, subspecies and varieties of family *Lophopidae*, *Nogodinidae*, and *Ricaniidae* preserved in the Museum and Institute of Zoology of the Polish Academy of Sciences (MZPW) in Warsaw.

The family *Lophopidae* is represented by 4 nominal species described by SCHMIDT and FENNAH. The family *Nogodinidae* is represented by 10 nominal species and 2 nominal varieties described by SCHMIDT. The family *Ricaniidae* is represented by 21 nominal species and 3 nominal varieties described by SCHMIDT, JACOBI and STÅL.

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 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

Lophopidae

Brixioides africanus SCHMIDT, 1912: 358

SYNTYPE female (No. 2431) labels: "Musée du Congo Belge Busira 12.10.05 Waelbroeck", "Type", "Brixioides africanus Schmidt ♂ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

Note: Wings on slide labelled: "Brixioides africanus Schmidt Busira Type! ♂ Deckflügel x Flügel"; apex of abdomen mounted on slide labelled: "Brixioides africanus Schmidt Busira Type! ♂ Hinterleibsende zerlegt".

SYNTYPE female (No. 2432) labels: "Kamerun Barombi Conradt", "Type", "Brixioides africanus Schmidt ♀ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

Note: Apex of abdomen mounted on slide labelled: "Brixioides africanus Schmidt Kamerun Type! ♀ Hinterleibsende".

SYNTYPE female (No. 2433) labels: "Kamerun Barombi Conradt", "Co=Typus", "Brixioides africanus Schmidt ♀ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE male (No. 2434) labels: "Kamerun Hinterland Jaunde-Stat 6.5.97 Zenker S.", "Co=Typus", "Brixioides africanus Schmidt ♂ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2435) labels: "Togo Bismarckburg Conradt S.", "Co=Typus", "Brixioides africanus Schmidt ♀ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

Jugoda heterogena SCHMIDT, 1926: 30

SYNTYPE male (No. 2436) labels: "Key", "Typus", "Jugoda heterogena Schmidt ♂ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2437) labels: "Key", "Typus", "Jugoda heterogena Schmidt ♀ Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE (No. 2438) labels: "Key", "Co=Typus", "Jugoda heterogena Schmidt Edm. Schmidt determ. 1926", "Mus. Zool. Polonicum Warszawa 12/45".

Note: Abdomen is missing.

Lophops intermedia SCHMIDT, 1926: 246

HOLOTYPE female (No. 2439) labels: "Buru 1922 Station 3/4 29-I 800 M leg. L. J. Toxopeus", "E-Schmidt", "Typus", "Lophops intermedia Schmidt ♀ Edm. Schmidt determ. 1925", "Mus. Zool. Polonicum; Warszawa 12/45".

Serida gorgopsis FENNAH, 1978: 274

HOLOTYPE male (No. 2440) labels: "Viet-nam, 6.6.1966 Cúo-phuong prov. Ninh Binh leg. R. Bielawski ♀ B. Pisarski /7809/", "Inst. Zool. P.A.N. Warszawa 52/66", "Holotype", "Serida gorgopsis R.G. Fennah".

Note: Genitalia in vial of glycerin on pin

PARATYPE female (No. 2441) labels: "Viet-nam, Tam Dao 70 km N Hanoi 24-26 VI 1962 A. Warchałowski leg. /7304/", "Inst. Zool. P.A.N. Warszawa 59/62".

Nogodinidae

Aphanophrys Kästneri SCHMIDT, 1930: 119

HOLOTYPE female (No. 2468) labels: "Fly-river, N. G. 22.VII — 6. VIII '28 Jeswiet", "Typus", "Aphanophrys Kästneri Schmidt ♀ Edm. Schmidt determ. 1930", "Mus. Zool. Polonicum Warszawa 12/45".

Gaetulia vittifrons SCHMIDT, 1912: 89

SYNTYPE male (No. 2453) labels: "Costa Rica H. Schmidt S.", "Type", "Gaetulia vittifrons Schmidt ♂ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2454) labels: "Costa Rica H. Schmidt S.", "Type", "Gaetulia vittifrons Schmidt ♀ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2455) labels: "Costa Rica H. Schmidt S.", "Co=Typus", "Gaetulia vittifrons Schmidt ♀ Edm. Schmidt; determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

Indogaetulia insularis SCHMIDT, 1919: 173

SYNTYPES females (No. 2457-2461) labels: "Dohrn Sumatra Soekaranda", "Type", "Indogaetulia insularis Schmidt ♀ Edm. Schmidt determ. 1919", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2462) labels: "Soekaranda Januar 1894 Dohrn", "Type", "Indogaetulia insularis Schmidt ♀ Edm. Schmidt determ. 1919", "Mus. Zool. Polonicum Warszawa 12/45".

Mindura fraterna SCHMIDT, 1925: 35

SYNTYPE male (No. 2463) labels: "Dohrn Sumatra Soekaranda", "Typus", "Mindura fraterna Schmidt ♂ Edm. Schmidt determ. 1925", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2464) labels: "Dohrn Sumatra Soekaranda", "Typus", "Mindura fraterna Schmidt ♀ Edm. Schmidt determ. 1925", "Mus. Zool. Polonicum Warszawa 12/45".

Mindura sinuatifrons SCHMIDT, 1926: 248

SYNTYPE male (No. 2465) labels: "Buru 1921 Station I VIII leg. L. J. Toxopeus", "Typus", "Mindura sinuatifrons Schmidt ♂ Edm. Schmidt determ. 1925", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2466) labels: "Buru 1921 Station I 29 X leg. L. J. Toxopeus", "Typus", "Mindura sinuatifrons Schmidt ♀ Edm. Schmidt determ. 1925", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2467) labels: "Buru 1921 Station I 12 XII leg. L. J. Toxopeus", "Typus", "Mindura sinuatifrons Schmidt ♀ Edm. Schmidt determ. 1925", "Mus. Zool. Polonicum Warszawa 12/45".

Nogodina Fruhstorferi SCHMIDT, 1905: 186

HOLOTYPE male (No. 2442) labels: "Java", "Type", "Probletomus Fruhstorferi Schmidt ♂ Edm. Schmidt determ. 1919", "Mus. Zool. Polonicum Warszawa 12/45".

Paravarcia deceptrix SCHMIDT, 1919: 150

HOLOTYPE male (No. 2456) labels: "Tonkin Than-Moi Juni-Juli H. Fruhstorfer", "Type", "Paravarcia deceptrix Schmidt ♂ Edm. Schmidt determ. 1919", "Mus. Zool. Polonicum Warszawa 12/45".

Privesomorphus sinuatifrons SCHMIDT, 1912: 87

SYNTYPE female (No. 2452) labels: "Ost-Africa Muoa Bez. Tanga Fischer S.", "Type", "E. Schmidt", "Privesomorphus sinuatifrons Schmidt

♀ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

Sassula apicalis SCHMIDT, 1905: 189

SYNTYPE male (No. 2443) labels: "Santa Inéz (Ecuad.) R. Haensch S.", "Type", "Orthothyreus apicalis Schmidt ♂ determ. 1918", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2443) labels: "Santa Inéz (Ecuad.) R. Haensch S.", "Type", "Orthothyreus apicalis Schmidt ♀ determ. 1918", "Mus. Zool. Polonicum Warszawa 12/45".

Varciella apicalis SCHMIDT, 1931: 75

SYNTYPE male (No. 2469) labels: "N. Guinea Dilo", "E. Schmidt", "Typus", "Varciella apicalis Schmidt ♂ Edm. Schmidt determ. 1929", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2470) labels: "N. Guinea mer. Kapakapa", "E. Schmidt", "Typus", "Varciella apicalis Schmidt ♀ Edm. Schmidt determ. 1929", "Mus. Zool. Polonicum Warszawa 12/45".

Vutina sexmaculata* var. *bimaculata SCHMIDT, 1912: 85

SYNTYPES males (No. 2445–2447) labels: "Bolivien Prov. Sara Steinbach S.", "Type", "V. sexmaculata var. bimaculata Schmidt ♂ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2448) labels: "Bolivien Prov. Sara Steinbach S.", "Type", "V. sexmaculata var. bimaculata Schmidt ♀ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

Vutina sexmaculata* var. *quadrifasciata SCHMIDT, 1912: 85

SYNTYPE male (No. 2449) labels: "Bolivien", "Type", "V. sexmaculata var. 4-maculata Schmidt ♂ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPES males (No. 2450 and 2451) labels: "Bolivien Prov. Sara Steinbach S.", "Type", "V. sexmaculata var. 4-maculata Schmidt ♂ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

*Ricaniidae**Acroprivesa suturalis* SCHMIDT, 1912: 78

SYNTYPE male (No. 2523) labels: "D.-Ostafrika 1.VII.09 bis Mitte VIII.09 Tendaguru, Lindi Janensch S. G.", "Type", "Acroprivesa suturalis Schmidt ♂ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2524) labels: "D.-Ostafrika 1.VII.09 bis Mitte VIII.09 Tendaguru, Lindi Janensch S. G.", "Type", "Acroprivesa suturalis Schmidt ♀ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2525) labels: "Tanga Hammerstein S.", "Type", "Acroprivesa suturalis Schmidt ♀ E. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

Krügeria clavispina SCHMIDT, 1911b: 271

HOLOTYPE female (No. 2522) labels: "Cumbasi", "Type", "Krügeria clavispina Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

Note: Left tegmen is missing.

Lugardia perlucida SCHMIDT, 1912: 82

SYNTYPES females (No. 2526 and 2527) labels: "D.-Ostafrika Tendaguru, Lindi Mitte VIII.-Mitte XI.09. Janensch S.G.", "Type", "Lugardia perlucida Schmidt ♀ Edm. Schmidt determ. 1911.", "Mus. Zool. Polonicum Warszawa 12/45".

Pochazia Dohrni SCHMIDT, 1905: 169

SYNTYPES males (No. 2472–2475) labels: "Dohrn Sumatra Soekaranda", "Type", "Pochazia Dohrni Schmidt ♂ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPES males (No. 2476 and 2477) labels: "Soekaranda Januar 1894 Dohrn", "Type", "Pochazia Dohrni Schmidt ♂ Edm. Schmidt determ. 1906", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPES males (No. 2478–2490) labels: "Soekaranda Januar 1894 Dohrn", "Type", "Pochazia Dohrni Schmidt ♂ Edm. Schmidt

determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPES females (No. 2491–2499) labels: "Soekaranda Januar 1894 Dohrn", "Type", "Pochazia Dohrni Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPES males (No. 2500 and 2501) labels: "Soekaranda Januar 1894 Dohrn", "Type", "Pochazia Dohrni Schmidt ♂ Edm. Schmidt determ. 1906", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPES females (No. 2502–2504) labels: "Dohrn Sumatra Soekaranda", "Type", "Pochazia Dohrni Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

Pochazia nitida SCHMIDT, 1913: 189

SYNTYPE female (No. 2528) labels: "Limbang April 4 1910", "Type", "Pochazia nitida Schmidt Edm. Schmidt ♀ determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

Pochazia sinuata var. *binotata* SCHMIDT, 1905: 169

HOLOTYPE female (No. 2505) labels: "Soekaranda Januar 1894 Dohrn", "Type", "P. sinuata var. binotata Schmidt ♀ Edm. Schmidt determ. 1906", "Mus. Zool. Polonicum Warszawa 12/45".

Pochazia sinuata var. *ochracea* SCHMIDT, 1905: 169

SYNTYPE male (No. 2506) labels: "Dohrn Sumatra Soekaranda", "Type", "P. sinuata Stål var. ochracea Schmidt ♂ Edm. Schmidt determ. 1906", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE male (No. 2507) labels: "Java", "Type", "P. sinuata Stål var. ochracea Schmidt ♂ Edm. Schmidt determ. 1906", "Mus. Zool. Polonicum Warszawa 12/45".

Pochazia 5-plagiata SCHMIDT, 1911: 219

HOLOTYPE female (No. 2520) labels: "4th mile Rock Road 15/4/1909.", "Type", "Pochazia 5-plagiata Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricania congonensis* SCHMIDT, 1924: 108**

SYNTYPE female (No. 2529) labels: "Musée du Congo Kindu L. Burgeon", "E-Schmidt", "Typus", "Ricania congonensis Schmidt ♀ Edm. Schmidt determ. 1924", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricania lurida* SCHMIDT, 1905: 176**

HOLOTYPE male (No. 2509) labels: "Java", "Type", "Ricanula lurida Schmidt ♂ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricania quinquepunctata* SCHMIDT, 1905: 195**

SYNTYPE female (No. 2517) labels: "Br. O. Africa Mombasa", "Type", "Ricania; 5-punctata Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2518) labels: "Brit. E. Afr. Mombasa", "Type", "Ricania 5-punctata Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricania papuana* SCHMIDT, 1928: 134**

HOLOTYPE female (No. 2530) labels: "N. N. Guinea W. C. v. Heurn Prauwenbiv. Sept. 1920", "Typus", "Ricania papuana Schmidt ♀ Edm. Schmidt determ. 1927", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricania pedicellata* JACOBI, 1928: 16**

SYNTYPE male (No. 2533) labels: "Kimberley district", "N. V. Austr. Mjöberg", "april", "1927 5", "A. Jacobi Cotypus", "Ricania; pedicellata Jac.", "Mus. Zool. Polonicum Warszawa 12/45".

SYNTYPE female (No. 2534) labels: "Derby", "N. V. Austr. Mjöberg", "okt", "1927 5", "A. Jacobi Cotypus", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricania sublimata* JACOBI, 1915: 303**

SYNTYPE female (No. 2532) labels: "Formosa Taihanroku H. Sauter '09", "A. Jacobi Cotypus",

"Ricania sublimata Jac.", "Mus. Zool. Polonicum Warszawa 12/45".

Note: Head is missing.

***Ricania venusta* STÅL 1866: 228**

HOLOTYPE male (No. 2471) labels: "Madagaskar", "Type", "venusta Stål", "Pocharica venusta Stål ♂ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricanula bitaeniata* SCHMIDT, 1905: 174**

HOLOTYPE female (No. 2508) labels: "Nord-Borneo Waterstradt", "Type", "Ricanula bitaeniata Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricanopsis unipunctata* SCHMIDT, 1905: 177**

SYNTYPES males (No. 2510–2512) labels: "Kamerun Barombi Conradt", "Type", "Ricanopsis unipunctata Schmidt ♂ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricanoptera Mellorborgi* var. *javana* SCHMIDT, 1905: 178**

SYNTYPES females (No. 2513 and 2514) labels: "Java", "Type", "R. Mellorborgi var. javana Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricanoptera marginipunctata* SCHMIDT, 1911: 221**

HOLOTYPE female (No. 2521) labels: "Matang Rd. Nov. 15.1909", "Type", "Ricanoptera marginipunctata Schmidt ♀ Edm. Schmidt determ. 1911", "Ricania hevithi Dist. ♀ Edm. Schmidt determ. 1912", "Mus. Zool. Polonicum Warszawa 12/45".

Species remarks: This name is considered a junior synonym of *Ricania hevithi* DISTANT.

***Ricanoptera straminea* SCHMIDT, 1905: 179**

HOLOTYPE female (No. 2515) labels: "Key", "Type", "Ricanoptera straminea Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

***Ricanoptera prominula* SCHMIDT, 1905: 180**

HOLOTYPE female (No. 2516) labels: "Cairns - 3.89", "Type", "Ricanoptera prominula Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

***Semestra notabilis* SCHMIDT, 1932: 50**

HOLOTYPE male (No. 2531) labels: "Columbien Hac. Pehlke 1929 E. Pehlke S.", "Type", "Semestra notabilis Schmidt ♂ Edm. Schmidt determ. 1931", "Mus. Zool. Polonicum Warszawa 12/45".

***Scolytopa Conradti* SCHMIDT, 1906: 205**

HOLOTYPE female (No. 2519) labels: "Kamerun Barombi Conradt", "Type", "Scolytopa Conradti Schmidt ♀ Edm. Schmidt determ. 1911", "Mus. Zool. Polonicum Warszawa 12/45".

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