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## Catalog of Aradidae (Hemiptera: Heteroptera) for the Neotropical Region

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## Table of contents

|  |    |
|--|----|
| Abstract .....   | 4  |
| Introduction .....                                       | 4  |
| Material and methods .....                               | 5  |
| Family Aradidae Brullé, 1836 .....                       | 6  |
| Subfamily Aneurinae Douglas & Scott, 1865 .....          | 6  |
| Genus <i>Aneurillus</i> (Kormilev, 1968) .....           | 6  |
| Genus <i>Aneurosoma</i> Champion, 1898 .....             | 6  |
| Genus <i>Aneurus</i> Curtis, 1825 .....                  | 7  |
| Genus <i>Iralunelus</i> Štys, 1974 .....                 | 10 |
| Subfamily Aradinae Amyot & Serville, 1843 .....          | 13 |
| Genus <i>Aradiolus</i> Kormilev, 1967 .....              | 13 |
| Genus <i>Aradus</i> Fabricius, 1803 .....                | 14 |
| Subfamily Calisiinae Stål, 1873 .....                    | 16 |
| Genus <i>Calisiopsis</i> Champion, 1898 .....            | 16 |
| Genus <i>Calisius</i> Stål, 1860 .....                   | 17 |
| Subfamily Carventinae Usinger, 1950 .....                | 19 |
| Genus <i>Acaricoris</i> Harris & Drake, 1944 .....       | 19 |
| Genus <i>Aglacoris</i> Drake & Maldonado, 1955 .....     | 20 |
| Genus <i>Alayocoris</i> Grillo Ravelo, 1988 .....        | 21 |
| Genus <i>Aparilocoris</i> Kormilev, 1982 .....           | 21 |
| Genus <i>Apterocoris</i> Kormilev & Doesburg, 1977 ..... | 22 |
| Genus <i>Atactocoris</i> Kormilev, 1964 .....            | 22 |
| Genus <i>Baracoris</i> Grillo Ravelo, 1988 .....         | 22 |
| Genus <i>Carficoris</i> Grillo Ravelo, 1988 .....        | 22 |
| Genus <i>Carventus</i> Stål, 1865 .....                  | 23 |
| Genus <i>Cubanocoris</i> Grillo Ravelo, 1988 .....       | 23 |
| Genus <i>Dihyogaster</i> Kormilev, 1953 .....            | 23 |
| Genus <i>Eretmocoris</i> Harris & Drake, 1944 .....      | 24 |
| Genus <i>Glyptocoris</i> Harris & Drake, 1944 .....      | 25 |
| Genus <i>Kolpodaptera</i> Usinger & Matsuda, 1959 .....  | 26 |
| Genus <i>Laevsoicoris</i> Grillo Ravelo, 1988 .....      | 27 |
| Genus <i>Lepidocoris</i> Grillo Ravelo, 1988 .....       | 27 |
| Genus <i>Neoproxius</i> Usinger & Matsuda, 1959 .....    | 27 |
| Genus <i>Peggcicoris</i> Drake, 1956 .....               | 29 |
| Genus <i>Planocoris</i> Grillo Ravelo, 1988 .....        | 29 |
| Genus <i>Pokoldaptera</i> Grillo Ravelo, 1988 .....      | 29 |
| Genus <i>Protokolpodaptera</i> Grillo Ravelo, 1988 ..... | 30 |
| Genus <i>Proxius</i> Stål, 1873 .....                    | 30 |
| Genus <i>Psorosoma</i> Champion, 1898 .....              | 30 |
| Genus <i>Reeceicus</i> Drake, 1956 .....                 | 30 |
| Genus <i>Rhysocoris</i> Usinger & Matsuda, 1959 .....    | 31 |
| Genus <i>Tainocoris</i> Grillo Ravelo, 1988 .....        | 31 |
| Genus <i>Yvacoris</i> Grillo Ravelo, 1988 .....          | 31 |
| Genus <i>Zayasocoris</i> Grillo Ravelo, 1988 .....       | 31 |
| Subfamily Isoderminae Stål, 1873 .....                   | 32 |
| Genus <i>Isodermus</i> Erichson, 1842 .....              | 32 |
| Subfamily Isoderminae Oshanin, 1908 .....                | 32 |
| Genus <i>Allelocoris</i> Drake and Harris, 1944 .....    | 32 |
| Genus <i>Aphleboderrhis</i> Stål, 1860 .....             | 33 |
| Genus <i>Artagerus</i> Stål, 1860 .....                  | 34 |
| Genus <i>Asterocoris</i> Drake & Harris, 1944 .....      | 35 |
| Genus <i>Banksiessa</i> Usinger & Matsuda, 1959 .....    | 35 |
| Genus <i>Bergrothiessa</i> Usinger & Matsuda, 1959 ..... | 36 |
| Genus <i>Chapadia</i> Kormilev, 1960 .....               | 37 |
| Genus <i>Cinyphus</i> Stål, 1865 .....                   | 37 |
| Genus <i>Coloborrhinus</i> Bergroth, 1906 .....          | 39 |
| Genus <i>Ctenoneurus</i> Bergroth, 1887 .....            | 39 |
| Genus <i>Delnocoris</i> Kormilev, 1982 .....             | 39 |
| Genus <i>Dysodius</i> Lepeletier & Serville, 1828 .....  | 40 |
| Genus <i>Emydocoris</i> Usinger, 1941 .....              | 42 |
| Genus <i>Eunotoplocoris</i> Kormilev, 1957 .....         | 42 |
| Genus <i>Forficulassa</i> Kormilev, 1960 .....           | 42 |

|   |    |
|---|----|
| Genus <i>Helenus</i> White, 1879                  | 43 |
| Genus <i>Hesus</i> Stål, 1862                     | 43 |
| Genus <i>Illibius</i> Stål, 1873                  | 45 |
| Genus <i>Kelaino</i> Kormilev, 1963               | 45 |
| Genus <i>Kormilevia</i> Usinger & Matsuda, 1959   | 45 |
| Genus <i>Limonocoris</i> Kormilev, 1971           | 46 |
| Genus <i>Lobocara</i> Bergroth, 1892              | 46 |
| Genus <i>Mapiri</i> Kormilev 1959                 | 47 |
| Genus <i>Melanosterphus</i> Stål 1868             | 47 |
| Genus <i>Mezira</i> Amyot and Serville, 1843      | 47 |
| Genus <i>Miorrhynchus</i> Champion, 1898          | 62 |
| Genus <i>Mystilocoris</i> Usinger & Matsuda, 1959 | 64 |
| Genus <i>Nannium</i> Bergroth, 1898               | 64 |
| Genus <i>Neormenocoris</i> Heiss, 1999            | 65 |
| Genus <i>Neuroctenus</i> Fieber, 1860             | 65 |
| Genus <i>Notapictinus</i> Usinger & Matsuda, 1959 | 71 |
| Genus <i>Notoplocoris</i> Usinger, 1941           | 76 |
| Genus <i>Ormenocoris</i> Usinger & Matsuda, 1959  | 77 |
| Genus <i>Parahesus</i> Kormilev 1960              | 77 |
| Genus <i>Paramezira</i> Kormilev, 1974            | 78 |
| Genus <i>Phyllotingis</i> Walker, 1873            | 78 |
| Genus <i>Pictinus</i> Stål 1873                   | 79 |
| Genus <i>Placogenys</i> Usinger & Matsuda, 1959   | 81 |
| Genus <i>Pseudopictinus</i> Kormilev, 1966        | 82 |
| Genus <i>Rhynchomirus</i> Kormilev, 1976          | 82 |
| Genus <i>Saileriessa</i> Usinger & Matsuda, 1959  | 82 |
| Genus <i>Santaremta</i> Kormilev, 1960            | 83 |
| Subfamily Prosympiestinae Usinger & Matsuda, 1959 | 83 |
| Tribe Llaimacorini Kormilev & Froeschner, 1987    | 83 |
| Genus <i>Llaimocoris</i> Kormilev 1964            | 83 |
| Acknowledgments                                   | 83 |
| Literature cited                                  | 83 |
| Index   | 89 |

## Abstract

The Aradidae (Hemiptera) of the Neotropical Region are cataloged. A total of 80 genera and 509 species are listed together with their synonyms. References are given to the original descriptions and the subsequent taxonomic position, the location of types and the geographic distribution. A comprehensive bibliography is provided.

**Key words:** Aradidae, catalog, Neotropical, taxonomy, distribution

## Introduction

The family Aradidae has been within the Infraorder Pentatomomorpha Leston *et al.*, (1954). Aradidae are commonly known as “flat bugs”. Most of the species are subcortical and mycetophagous. Their flattened form and somber colours are well adapted for a life on or under the bark of dead trees and the coiled setae are a remarkable adaptation for juices of fungi. Are generally sombre in colour, black or brown and elliptical, oval, or rectangular shape. They range from 3 to 11 mm in length. Many tropical species are wingless and the dorsal surface frequently appearing granular or rugose. In general, they have one or two annual generations and are represented in all the biogeographical regions of the world. Eggs are deposited in frass beneath bark or in rotten logs or stumps or glued to the surface of bark or fungi. Within this family are important forest pests as *Aradus cinnamomeus* Panzer however feeds on the phloem, cambium and xylem of living *Pinus* sp and *Larix* sp (Pinacea) (Kiritschenko, 1913) and causes stunting of the growth of these trees (Strawinski, 1925). Specimens of this species are sometimes grouped in large colonies preferably on young pine trees, 7 to 12 cm. in diameter, sucking the leaves and twigs. Today flat bugs are grouped into 8 subfamilies: Aneurinae, Aradinae, Calisiinae, Carventinae, Chinamyersiinae Isoderminae, Mezirinae and Prosympiestinae (Schuh & Slater, 1996). The subfamily Chinamyersiinae is classified in two tribes: Treto-