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Four genera and 25 species are known from northeastern India to New Guinea (Schuh and Slater, 1995; Doesburg 2004; Henry, 2009).

FAMILY VIANAIDIDAE KORMILEV

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So far, Argentina records for one species in one genus.

The small Neotropical group was accorded family status by Kormilev (1955f); whereas most later authors have treated it as a subfamily of the Tingidae (Drake and Davis, 1960; Drake and Ruhoff, 1965; Schuh and Stys, 1991). According to Schuh *et al.* 2009 the sister group of Tingidae + Vianaididae at the Thaumastocoridae.

Genus *Anommatocoris* China

1945 *Anommatocoris* China, 126. Type species: *Anommatocoris minutissimus* China, 1945. Original designation.

Anommatocoris coleopteratus (Kormilev)

1955f *Vianaida coleopterata* Kormilev, 472 [new species: Argentina: Buenos Aires: Tigre, Río Luján]—Bachmann 1999, 220 [Argentina: Buenos Aires: Tigre].

1965 *Anommatocoris coleopteratus*: Drake and Ruhoff, 444 [Argentina].

FOSSIL HETEROPTERA

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The fossil record of Heteroptera in the country is scarce with only five species in five genera, and some of them of indeterminate systematic position.

In spite of this, there are some interesting points with respect to their age and record. The pentatomids are recorded as fossils in Patagonia. Another interesting record is that of the Anisopinae notonectids in the Upper Cretaceous of central Argentina representing surely a new genus and one of the oldest Anisopinae in the world. The presence of the Notonectinae-Anisopinae ambush predator guild in the Cretaceous of the same strata given us an idea of the complexity of the freshwater environment 120 Ma ago (Petrulevičius *et al.*, 2005).

SUPERFAMILY NAUCOROIDEA LEACH

FAMILY INDET.

Genus *Canteronecta* Mazzoni

1985 *Canteronecta* Mazzoni, 264. Type species: *Canteronecta irajae* Mazzoni, 1985. Original designation.

Canteronecta irajae Mazzoni

1985 *Canteronecta irajae* Mazzoni, 265 [new species: Argentina: San Luis: La Cantera. Stratigraphic level and age: La Cantera formation, Lower Cretaceous].

Remarks: This species was originally placed in Notonectidae by Mazzoni (1985) but subsequently transferred to Naucoroidea fam. indet. by Nel and Paicheler (1992) and confirmed by Petrulevičius *et al.* (2010).

FAMILY CORIXIDAE LEACH

Genus *Rhomboidella* Mazzoni and Hünicken

1987 *Rhomboidella* Mazzoni and Hünicken, 734. Type species: *Rhomboidella popovi* Mazzoni and Hünicken, 1987. Original designation.

Rhomboidella popovi Mazzoni and Hünicken

1987 *Rhomboidella popovi* Mazzoni and Hünicken, 734 [new species: Argentina: San Luis: La Cantera. Stratigraphic level and age: La Cantera formation, Lower Cretaceous].

FAMILY NOTONECTIDAE LATREILLE

SUBFAMILY NOTONECTINAE LATREILLE

Genus *Notonecta* Linnaeus

1758 *Notonecta* Linnaeus, 439. Type species: *Notonecta glauca* Linnaeus, 1758. Designated by Latreille, 1810.

Notonecta mazzoniae Petrulevičius, Nel and Sallenave

2010 *Notonecta mazzoniae* Petrulevičius, Nel and Sallenave, 249 [new species: Argentina: San Luis: La Cantera. Stratigraphic level and age: La Cantera formation, Lower Cretaceous].

FAMILY PENTATOMIDAE LEACH

SUBFAMILY ANISOPINAE HUTCHINSON

Anisopinae indet. Petrulevičius, Nel and Sallenave

2010 Anisopinae indet. Petrulevičius, Nel and Sallenave [Argentina: San Luis: La Cantera. Stratigraphic level and age: La Cantera formation, Lower Cretaceous].

SUBFAMILY DISCOCEPHALINAE FIEBER

TRIBE DISCOCEPHALINI FIEBER

Genus *Acanthocephalonotum* Petrulevičius and Popov

2014 *Acanthocephalonotum* Petrulevičius and Popov, 25. Type species: *Acanthocephalonotum martinsnetoi* Petrulevičius and Popov, 2014. Original designation.

Acanthocephalonotum martinsnetoi Petrulevičius and Popov

2014 *Acanthocephalonotum martinsnetoi* Petrulevičius and Popov, 25 [new species: Argentina: Chubut, Río Pichileufú. Stratigraphic level and age: Volcanic lake beds, quarry RP3, 47 Ma (middle Eocene)].

Remarks: This specimen was recognized as new genus and species of Discocephalinae by Petrulevičius (2008).

FAMILY RHYPAROCHROMIDAE AMYOT AND SERVILLE

Tribe nov. genus nov. and species nov. Petrulevičius

2001 New Tribe, genus and species Petrulevičius, 82 [Argentina: Jujuy: La Mendieta. Stratigraphic level and age: Maíz Gordo Formation, late Paleocene].

Remarks: This specimen was attributed to Lygaeoidea by Petrulevičius and Coscarón (2000).

FAMILY INDET.

Genus *Corizus* Fallén

1814 *Corizus* Fallén, 8. Type of genus: *Cimex hyoscyami* Linnaeus, 1758. By monotypy.

Corizus deflagratus Cockerell

1926 *Corizus deflagratus* Cockerell, 503 [new species: Argentina: Jujuy: Sunchal. Stratigraphic level and age: Maíz Gordo or Lumbreira Formation, late Paleocene—Eocene]—Petrulevičius and Martins Neto 2000, 138 [Argentina: Jujuy: Sunchal]—Petrulevičius 2001, 144 [Argentina: Jujuy].

Remarks: The type specimen is much too incomplete to assign it to the present-day genus *Corizus* (Cockerell, 1926), or to any other family of Hemiptera. Although the shape of the body resembles that found in the Coreoidea, the characters are not preserved well enough to assign it to any family within the Pentatomomorpha.

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