
CHECKLIST OF THE TRICHOPTERA (INSECTA) OF BRAZIL I

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Abstract

We present here a list of Trichoptera species recorded in the literature from Brazil as of September 2003. The total number of species recorded for Brazil is 378. The most diverse family is Hydropsychidae with 103 species; the second most diverse is Hydroptilidae with 50 species, followed by Leptoceridae and Philopotamidae with 41 each. Distributions by state and additional literature relevant to Brazilian Trichoptera are also presented.

Key words: *Trichoptera, Caddisflies, Checklist, Aquatic Insects, Neotropical, Brazil, Distribution, New records*

Resumo

Apresenta-se aqui uma lista de Trichoptera (Insecta) para o Brasil com registros de espécies publicados na literatura até Setembro de 2003. O número de espécies registradas para o Brasil é de 378. A família mais diversa é Hydropsychidae com 107 espécies, seguida por Hydroptilidae com 50, Leptoceridae e Philopotamidae com 41 cada. Também são fornecidas a distribuição por estado e a literatura adicional relevante a ordem Trichoptera no Brasil.

Palavras-chave: *Trichoptera, Fauna, Lista de espécies, Brasil, Insetos aquáticos, Distribuição*

Introduction

Caddisflies (Trichoptera) constitute the most abundant and diverse order of insects whose members are exclusively aquatic. They reach their highest diversity in pristine mountain streams and rivers where they exploit a variety of microhabitats. Some are grazers, feeding on the algae that grow on submerged rocks, others are collectors of tiny bits of organic matter or are filter feeders that strain drifting organic matter. Many shred larger pieces of organic matter, mostly wood and leaves, ingesting the resulting pieces. There are also predators and species that pierce aquatic macrophytes to ingest the cell cytoplasm (Merritt and Cummins 1996).

The immature stages of caddisflies develop in water, where they build portable cases or fashion fixed retreats that are amazing for their intricate engineering. The larvae, like caterpillars, produce silk from modified salivary glands. In some families, this silk is used to build nets that filter the water to capture food items. In others the silk is used as glue to build portable cases in which the larvae reside. Cases are constructed of a wide variety of materials, including sand, rock fragments, leaves, twigs, abandoned snail shells or entirely of silk in some species (Wiggins 1996).

Adult caddisflies resemble small moths (Figures 1-4), but they have their wings covered with hairs, while moth and butterfly wings are covered with scales. Adult caddisflies live for only a few days to 2 or 3 weeks. While adults don't feed, they perform the essential life functions of mating and egg laying. From the taxonomic perspective, adults are very important because species identification is based almost solely on characters of the adult male genitalia (Morse 2003).

Caddisfly larvae have very distinct responses to pollution and other environmental impacts. Knowledge of the species and their natural history has great value for the development of water quality monitoring programs. Together with other aquatic organisms, they are used in a number of important water quality indexes or metrics. Some of these indexes require identification only at the family level, but species level identification allows for more precise water quality assessment (Resh and Unzicker 1975, Resh 1995). It is not possible though, to determine the species of an immature without knowing the adult. In this case, adult taxonomy has to be established first, followed by larval/adult associations.

A great part of the fauna of the Neotropical region has not yet been described. The accelerated loss of species in many threatened Neotropical areas is tragic. Describing unknown biodiversity is one of the most important aids to conservation efforts. Highly sensitive freshwater ecosystems, such as tropical rivers, are suffering major losses of species before they are known to science. Major efforts

should be made to collect and describe this fauna, which represents a major source of genetic diversity.

We present here a list of Brazilian Trichoptera recorded in the scientific literature as of September 2003. We hope that this list will be a useful resource for the emerging trichopterologist community in Brazil, as well as to other aquatic insect researchers. For complete taxonomical information on the taxa presented here, we suggest consulting the "Catalog of Neotropical Caddisflies (Insecta: Trichoptera)" (Flint et al 1999b) and the Fisher *Tricopterorum Catalogus* (1962-1973). For more information on the order Trichoptera and the history of Trichoptera taxonomy in Brazil we suggest an article published in *Ciência Hoje* (Paprocki 2003), which can be downloaded from the web site <http://www2.uol.com.br/cienciahoje/chmais/pass/ch190/primeira.pdf>.

Methods

The literature search prior to 1999 was performed using the catalog of Flint et al (1999b). Another valuable source for compiling these data was the Trichoptera World Checklist web site <http://entweb.clemson.edu/database/trichopt/search.htm> maintained by Dr. John C. Morse at Clemson University, USA. Zoological Records was another source used to search for Brazilian Trichoptera literature. We did not present all literature available for Trichoptera, but only the references relevant to taxonomic studies, such as species descriptions, new distribution records, and the most recent revisions of genera. Codes used for the Brazilian states are RO (Roraima), AC (Acre), AM (Amazonas), RR (Roraima), RN (Rondonia), PA (Pará), AP (Amapá), TO (Tocantins), MA (Maranhão), PI (Piauí), CE (Ceará), RN (Rio Grande do Norte), PB (Paraíba), PE (Pernambuco), AL (Alagoas), SE (Sergipe), BA (Bahia), MG (Minas Gerais), ES (Espírito Santo), RJ (Rio de Janeiro), SP, (São Paulo), PR (Paraná), SC (Santa Catarina), RS (Rio Grande do Sul), MS (Mato Grosso do Sul), MT (Mato Grosso), GO (Goiás), DF (Distrito Federal). In Table 1, when there is no specific information about the state in Brazil where the species was collected, only "Brazil" is indicated. The number in parentheses after the taxon name represents the number of species for that taxon. We also present references for the most recent taxonomic revision for each genus, when available. Table 2 presents the number of species records per state in Brazil.

Results and Discussion

The total number of Trichoptera species recorded for Brazil is 378 (Table 1). The total number of genera recorded



Figure 1 - Polycentropus sp. mating Family Polycentropodidae



Figure 2- Macronema sp. Family Hydropsychidae.



Figure 3- Trichoptera of the family Philopotamidae mating.



Figure 4- Leptonema sp. Family Hydropsychidae.

Taxon (Number of species: 378)	Bibliography	Distribution by state
Anomalopsychidae (1)		
<i>Contulma</i> Flint 1969 (1)	Flint 1969, Holzenthal and Flint 1995	
<i>Contulma tijuca</i> Holzenthal and Flint 1995	Holzenthal and Flint 1995	RJ
Atriplectididae (1)		
<i>Neotriplectides</i> Holzenthal 1997 (1)	Holzenthal 1997	
<i>Neotriplectides</i> sp Holzenthal 1997	Holzenthal 1997	SP
Calamoceratidae (17)		
<i>Phylloicus</i> Müller 1880 (17)	Müller 1880, Prather 2003	
<i>Phylloicus abdominalis</i> (Ulmer) 1905	Ulmer 1905b, Prather 2003	SC, MG, RJ, SP, PR
<i>Phylloicus amazonas</i> Prather 2003	Prather 2003	AM
<i>Phylloicus angustior</i> Ulmer 1905	Ulmer 1905a, Prather 2003	RS, GO, MG, PR, SC
<i>Phylloicus auratus</i> Prather 2003	Prather 2003	AM
<i>Phylloicus bertioga</i> Prather 2003	Prather 2003	SP
<i>Phylloicus bidigitatus</i> Prather 2003	Prather 2003	RJ
<i>Phylloicus bromeliarum</i> Müller 1880	Müller 1880, Prather 2003	SC, SP
<i>Phylloicus brevior</i> Banks 1915	Banks 1915, Prather 2003	PR, RO
<i>Phylloicus fenestratus</i> Flint 1974	Flint 1974b, Prather 2003	AM, PB, PR, RO
<i>Phylloicus flinti</i> Prather 2003	Prather 2003	RO
<i>Phylloicus major</i> Müller 1880	Müller 1880, Prather 2003	RJ, SC, SP
<i>Phylloicus medius</i> Müller 1880	Müller 1880, Prather 2003	SC
<i>Phylloicus obliquus</i> Navás 1931	Navás 1931, Prather 2003	MG, RJ, SC
<i>Phylloicus paprockii</i> Prather 2003	Prather 2003	MG
<i>Phylloicus plaumanni</i> Flint 1983	Flint 1983a, Prather 2003	SC
<i>Phylloicus quadridigitatus</i> Prather 2003	Prather 2003	SP
<i>Phylloicus tricalcaratus</i> (Ulmer) 1905	Ulmer 1905b, Prather 2003	BA
<i>Phylloicus yolandae</i> Prather 2003	Prather 2003	PR
Ecnomidae (6)		
<i>Austrotinodes</i> Schmid 1955 (6)	Schmid 1955, Flint 1973, Flint and Denning 1989	
<i>Austrotinodes amazonensis</i> Flint and Denning 1989	Flint and Denning 1989	AM
<i>Austrotinodes ariasi</i> Flint and Denning 1989	Flint and Denning 1989	AM
<i>Austrotinodes bracteatus</i> Flint and Denning 1989	Flint and Denning 1989	SP
<i>Austrotinodes paraguayensis</i> Flint 1983	Flint 1983a	MG
<i>Austrotinodes prolixus</i> Flint and Denning 1989	Flint and Denning 1989	MG
<i>Austrotinodes uruguayensis</i> Angrisano 1994	Angrisano 1994, Blahnik et al 2004	PR
Glossosomatidae (21)		
<i>Canoptila</i> Mosely 1939 (1)	Mosely 1939	

<i>Canoptila bifida</i> Mosely 1939	Mosely 1939	SC
<i>Itauara</i> Müller 1888 (3)	Müller 1888, Flint et al 1999a	
<i>Itauara amazonica</i> (Flint) 1971	Flint 1971	AM
<i>Itauara brasiliiana</i> (Mosely) 1939	Mosely 1939	SC
<i>Itauara plaumanni</i> (Flint) 1974	Flint 1974a	SC
<i>Mexitrichia</i> Mosely 1937 (5)	Mosely 1937, Flint et al 1999a	
<i>Mexitrichia albolineata</i> (Ulmer) 1907	Ulmer 1907a, Blahnik et al 2004	SC, SP
<i>Mexitrichia catarinensis</i> Flint 1974	Flint 1974a	SC
<i>Mexitrichia ormina</i> Mosely 1939	Mosely 1939	SC
<i>Mexitrichia teutona</i> Mosely 1939	Mosely 1939, Flint 1972, Blahnik et al 2004	SC, MG, RJ
<i>Mexitrichia unota</i> Mosely 1939	Mosely 1939	SC
<i>Protoptila</i> Banks 1904 (12)	Banks 1904, Flint 1971, Flint 1996	
<i>Protoptila cora</i> Flint 1983	Flint 1983a, Blahnik et al 2004	MG
<i>Protoptila condylifera</i> Flint 1971	Flint 1971	AM
<i>Protoptila disticha</i> Flint 1971	Flint 1971	AM, PA
<i>Protoptila dubitans</i> Mosely 1939	Mosely 1939	SC
<i>Protoptila ensifera</i> Flint 1971	Flint 1971	AM
<i>Protoptila flexispina</i> Flint 1971	Flint 1971	AM
<i>Protoptila macilenta</i> Flint 1971	Flint 1971	PA
<i>Protoptila mara</i> Flint 1971	Flint 1971	AM
<i>Protoptila simplex</i> Flint 1971	Flint 1971	AM, PA
<i>Protoptila ternatia</i> Flint 1971	Flint 1971	AM
<i>Protoptila tetravittata</i> Flint 1971	Flint 1971	AM
<i>Protoptila trispicata</i> Flint 1971	Flint 1971	AM
Helicopsychidae (11)		
<i>Helicopsyche</i> Siebold 1856 (11)	Siebold 1856, Müller 1885, Johanson 1998	
<i>Helicopsyche (Cochliopsyche) clara</i> (Ulmer) 1905	Ulmer 1905a, Flint 1996, , Blahnik et al 2004	SC, MG
<i>Helicopsyche (Cochliopsyche) opalescens</i> Flint 1972	Flint 1972, Flint 1996, Blahnik et al 2004	RR, RJ, SP
<i>Helicopsyche (Cochliopsyche) lobata</i> Flint 1983	Flint 1983a, Blahnik et al 2004	MG, SC
<i>Helicopsyche (Feropsyche) braziliensis</i> (Swainson) 1840	Swainson 1840	Brazil
<i>Helicopsyche (Feropsyche) flinti</i> Johanson 1999	Johanson 1999	SC
<i>Helicopsyche (Feropsyche) helicoidella</i> (Vallot)1855	Vallot 1855	BA
<i>Helicopsyche (Feropsyche) monda</i> Flint 1983	Flint 1983a, Blahnik et al 2004	SC, MG, SP, PR
<i>Helicopsyche (Feropsyche) muelleri</i> Banks 1920	Banks 1920	SC
<i>Helicopsyche (Feropsyche) planorboides</i> Machado 1957	Machado 1957	MG
<i>Helicopsyche (Feropsyche) velligera</i> Flint 1983	Flint 1983a	SC
<i>Helicopsyche (Feropsyche) vergelana</i> Ross 1956	Ross 1956b	Brazil
Hydrobiosidae (19)		
<i>Atopsyche</i> Banks 1905 (19)	Banks 1905, Schmid 1989	

<i>Atopsyche (Atopsaura) acahuana</i> Schmid 1989	Schmid 1989, Blahnik et al 2004	ES, RJ
<i>Atopsyche (Atopsaura) antisuya</i> Schmid 1989	Schmid 1989	MG
<i>Atopsyche (Atopsaura) apurimac</i> Schmid 1989	Schmid 1989	RJ
<i>Atopsyche (Atopsaura) hamata</i> Ross and King 1952	Ross and King 1952	RR
<i>Atopsyche (Atopsaura) hatunpuna</i> Schmid 1989	Schmid 1989	SP
<i>Atopsyche (Atopsaura) huacachaca</i> Schmid 1989	Schmid 1989	RJ
<i>Atopsyche (Atopsaura) huamachucu</i> Schmid 1989	Schmid 1989	RJ
<i>Atopsyche (Atopsaura) huanapu</i> Schmid 1989	Schmid 1989, Blahnik et al 2004	SP, RJ
<i>Atopsyche (Atopsaura) huaracu</i> Schmid 1989	Schmid 1989, Blahnik et al 2004	MG, RJ, SP
<i>Atopsyche (Atopsaura) longipennis</i> (Ulmer) 1905	Ulmer 1905a	SC
<i>Atopsyche (Atopsaura) plancki</i> Marlier 1964	Marlier 1964a, Blahnik et al 2004	SP, RJ
<i>Atopsyche (Atopsaura) sanctipauli</i> Flint 1983	Flint 1983a, Blahnik et al 2004	SP, RJ, PR, SC
<i>Atopsyche (Atopsaura) serica</i> Ross 1953	Ross 1953	SC
<i>Atopsyche (Atopsaura) siolii</i> Flint 1971	Flint 1971	AM
<i>Atopsyche (Atopsaura) usingeri</i> Denning and Sykora 1968	Denning and Sykora 1968	RJ
<i>Atopsyche (Atopsaura) zernyi</i> Flint 1974	Flint 1974a, Blahnik et al 2004	SP, MG, RJ, SC
<i>Atopsyche (Atopsyche) chirihuana</i> Schmid 1989	Schmid 1989, Blahnik et al 2004	MG
<i>Atopsyche (Atopsyche) erigia</i> Ross 1947	Ross 1947, Blahnik et al 2004	MG
<i>Atopsyche (Atopsyche) urumarca</i> Schmid 1989	Schmid 1989	MG

Hydropsychidae (107)

<i>Blepharopus</i> Kolenati 1859 (1)	Kolenati 1859	
<i>Blepharopus diaphanus</i> Kolenati 1859	Kolenati 1859, Marinoni and Almeida 2000, Blahnik et al 2004	RJ, SC, PR, MG
<i>Centromacronema</i> Ulmer 1905 (2)	Ulmer 1905a, Fischer 1963	
<i>Centromacronema auripenne</i> (Rambur) 1842	Rambur 1842	Brazil
<i>Centromacronema obscurum</i> (Ulmer) 1905	Ulmer 1905a, Blahnik et al 2004	SP, MG, SC
<i>Leptonema</i> Guérin 1843 (23)	Guérin 1843, Flint et al 1987	
<i>Leptonema agraphum</i> (Kolenati) 1859	Kolenati 1859	RJ
<i>Leptonema amazonense</i> Flint 1978	Flint 1978	RR
<i>Leptonema aspersum</i> (Ulmer) 1907	Ulmer 1907b	BA, MS
<i>Leptonema aterrimum</i> Mosely 1933	Mosely 1933	PA
<i>Leptonema bifurcatum</i> Flint et al. 1987	Flint et al. 1987, Blahnik et al 2004	ES, MG
<i>Leptonema boraceia</i> Flint et al. 1987	Flint et al. 1987	RJ, SP
<i>Leptonema columbianum</i> Ulmer 1905	Ulmer 1905a	RO, AM, PA, BA, MG, SP, MS, GO, DF
<i>Leptonema crassum</i> Ulmer 1905	Ulmer 1905a	RR, MG, ES, SP, MT, GO
<i>Leptonema eugnathum</i> (Müller) 1921	Müller 1921	SC
<i>Leptonema lacuniferum</i> Flint 1978	Flint 1978	AM
<i>Leptonema lunatum</i> Flint et al 1987	Flint et al 1987	SC
<i>Leptonema maculatum</i> Mosely 1933	Mosely 1933	AM, PA
<i>Leptonema pallidum</i> Guerin 1834	Guérin 1843	MG, ES, RJ, SP, GO, DF
<i>Leptonema rostratum</i> Flint et al. 1987	Schmid 1964	AM, RR, PA, MT

<i>Leptonema serranum</i> Navás 1933	Flint et al. 1987	SP
<i>Leptonema sparsum</i> (Ulmer) 1905	Flint et al. 1987, Marinoni and Almeida 2000, Blahnik et al 2004	RO, AM, PA, RJ, SP, SC, MT, GO, DF, PR, MG
<i>Leptonema speciosum</i> (Burmeister) 1839	Burmeister 1839	RJ
<i>Leptonema spinulum</i> Flint et al. 1987	Flint et al. 1987	MT, DF
<i>Leptonema stigmaticum</i> Navás 1916	Burmeister 1839	RJ
<i>Leptonema tholloni</i> Navás 1923	Flint et al. 1987	RJ
<i>Leptonema tridens</i> Mosely 1933	Mosely 1933, Blahnik et al 2004	RJ, PR, MG, SP
<i>Leptonema trispicatum</i> Flint et al. 1987	Flint et al. 1987, Blahnik et al 2004	SP, PR
<i>Leptonema viridianum</i> Navás 1916	Mosely 1933, Blahnik et al 2004	MG, RJ, GO, DF
Macronema Pictet 1836 (18)	Pictet 1836, Flint and Bueno 1832	
<i>Macronema amazonense</i> Flint 1978	Flint 1978	AM
<i>Macronema argentilineatum</i> Ulmer 1905	Ulmer 1905a	AM, PA
<i>Macronema bicolor</i> Ulmer 1905	Ulmer 1905a	MG, SC
<i>Macronema burmeisteri</i> Banks 1924	Banks 1924	AM
<i>Macronema exoptalmum</i> Flint 1978	Flint 1978	AM
<i>Macronema fragile</i> Banks 1915	Banks 1915	AM
<i>Macronema fulvum</i> Ulmer 1905	Ulmer 1905a	RJ
<i>Macronema hageni</i> Banks 1924	Banks 1924, Blahnik et al 2004	AM, PA, MG
<i>Macronema immaculatum</i> Mosely 1934	Mosely 1934a	SP, PR
<i>Macronema lachlani</i> Banks 1924	Banks 1924	AM
<i>Macronema lineatum</i> Pictet 1836	Pictet 1836	BA
<i>Macronema muelleri</i> Banks 1924	Banks 1924	AM
<i>Macronema partitum</i> Navás 1932	Navás 1932b	RJ
<i>Macronema parvum</i> Ulmer 1905	Ulmer 1905a	AM
<i>Macronema pennyi</i> Flint 1978	Flint 1978	AM
<i>Macronema percitans</i> Walker 1860	Walker 1860	AM, PA, MT
<i>Macronema pertyi</i> Banks 1924	Banks 1924	MT
<i>Macronema rubiginosum</i> Guérin 1843	Guérin 1843	Brazil
Macrostemum Kolenati 1859 (14)	Kolenati 1859, Flint and Bueno 1982	
<i>Macrostemum arcuatum</i> (Erichson) 1848	Erichson 1848	AM, PA
<i>Macrostemum braueri</i> (Banks) 1924	Banks 1924	AM
<i>Macrostemum digramma</i> (McLachlan) 1871	McLachlan 1871	MG
<i>Macrostemum erichsoni</i> (Banks) 1920	Banks 1920	AM
<i>Macrostemum hyalinum</i> (Pictet) 1836	Pictet 1836, Marinoni and Almeida 2000	PA, PR
<i>Macrostemum maculatum</i> (Perty) 1833	Perty 1833	BA, SP
<i>Macrostemum negrense</i> (Flint) 1978	Flint 1978	AM, PA
<i>Macrostemum par</i> (Navás) 1930	Navás 1930	SP
<i>Macrostemum ramosum</i> (Navás) 1916	Navás 1916b	RJ
<i>Macrostemum santaeritae</i> (Ulmer) 1905	Ulmer 1905b	AM, PA
<i>Macrostemum surinamense</i> (Flint) 1974	Flint 1974c	AM
<i>Macrostemum trigramma</i> (Navás) 1916	Navás 1916b	RJ
<i>Macrostemum triste</i> (Navás) 1916	Navás 1916b	RJ
<i>Macrostemum ulmeri</i> (Banks) 1913	Banks 1913, Blahnik et al 2004	AM, RR, PA, MG

<i>Plectromacronema</i> Ulmer 1906 (2)	Ulmer 1906, Flint 1967, Flint 1983b	
<i>Plectromacronema comptum</i> Ulmer 1906	Ulmer 1906	AM, PA
<i>Plectromacronema subfuscum</i> (Banks) 1920	Banks 1920	SC
<i>Pseudomacronema</i> Ulmer 1905 (1)	Ulmer 1905a	
<i>Pseudomacronema vittatum</i> Ulmer 1905	Ulmer 1905a	AM, PA
<i>Smicridea</i> McLachlan 1871 (40)	McLachlan 1871, Flint 1974b, Flint 1989	
<i>Smicridea (Rhyacophylax) abrupta</i> Flint 1974	Flint 1974c	AM
<i>Smicridea (Rhyacophylax) appendiculata</i> Flint 1972	Flint 1972, Blahnik et al 2004	AM, MG
<i>Smicridea (Rhyacophylax) atrobasis</i> Flint 1983	Flint 1983a	SC
<i>Smicridea (Rhyacophylax) brasiliiana</i> (Ulmer) 1905	Ulmer 1905a	SC
<i>Smicridea (Rhyacophylax) caligata</i> Flint 1974	Flint 1974c	AM
<i>Smicridea (Rhyacophylax) columbiana</i> (Ulmer) 1905	Ulmer 1905a	AM
<i>Smicridea (Rhyacophylax) coronata</i> Flint 1980	Flint 1980	MG, SP
<i>Smicridea (Rhyacophylax) dentifera</i> Flint 1983a	Flint 1983a, Blahnik et al 2004	SP
<i>Smicridea (Rhyacophylax) discalis</i> Flint 1972	Flint 1972, Marinoni and Almeida 2000, Blahnik et al 2004	PR, MG
<i>Smicridea (Rhyacophylax) ephippifer</i> Flint 1978	Flint 1978	PA
<i>Smicridea (Rhyacophylax) forcipata</i> Flint 1983	Flint 1983a, Blahnik et al 2004	SC
<i>Smicridea (Rhyacophylax) froehlichii</i> Almeida and Flint 2002	Almeida and Flint 2002	RJ
<i>Smicridea (Rhyacophylax) gladiator</i> Flint 1978	Flint 1978	AM
<i>Smicridea (Rhyacophylax) iguazu</i> Flint 1983	Flint 1983a, Marinoni and Almeida 2000	RJ, SC, PR, MG
<i>Smicridea (Rhyacophylax) jundiai</i> Almeida and Flint 2002	Almeida and Flint 2002, Blahnik et al 2004	ES, RJ, PR
<i>Smicridea (Rhyacophylax) mangaratiba</i> Almeida and Flint 2002	Almeida and Flint 2002	RJ
<i>Smicridea (Rhyacophylax) marlieri</i> Flint 1978	Flint 1978	AM, PA
<i>Smicridea (Rhyacophylax) marua</i> Flint 1978	Flint 1978	AM
<i>Smicridea (Rhyacophylax) piraya</i> Flint 1983	Flint 1983a, Marinoni and Almeida 2000, Blahnik et al 2004	SP, SC, PR, MG
<i>Smicridea (Rhyacophylax) pseudolobata</i> Flint 1978	Flint 1978	AM
<i>Smicridea (Rhyacophylax) radula</i> Flint 1974b	Flint 1974b, Blahnik et al 2004	MG, SP, RJ, PR
<i>Smicridea (Rhyacophylax) ralphi</i> Almeida and Flint 2002	Almeida and Flint 2002	RJ, ES, SP, PR
<i>Smicridea (Rhyacophylax) scutellaris</i> Flint 1974	Flint 1974c, Blahnik et al 2004	AM, PA, MG
<i>Smicridea (Rhyacophylax) spinulosa</i> Flint 1972	Flint 1972, Marinoni and Almeida 2000, Blahnik et al 2004	AM, PA, PR, SP, SC
<i>Smicridea (Rhyacophylax) unguiculata</i> Flint 1983	Flint 1983a, Marinoni and Almeida 2000, Blahnik et al 2004	SP, SC, GO, PR, MG
<i>Smicridea (Rhyacophylax) vermiculata</i> Flint 1978	Flint 1978, Marinoni and Almeida 2000, Blahnik et al 2004	PA, SC, PR, MG
<i>Smicridea (Rhyacophylax) vilela</i> Flint 1978	Flint 1978	AM, PA
<i>Smicridea (Rhyacophylax) voluta</i> Flint 1978	Flint 1978	AM, PA
<i>Smicridea (Rhyacophylax) weidneri</i> Flint 1972	Flint 1972, Marinoni and Almeida 2000	SC, PR

<i>Smicridea (Smicridea) aequalis</i> Banks 1920	Banks 1920	PA
<i>Smicridea (Smicridea) albosignata</i> Ulmer 1907	Ulmer 1907a, Marinoni and Almeida 2000, Blahnik et al 2004	SP, PR, RJ, MG, RJ
<i>Smicridea (Smicridea) bivittata</i> (Hagen) 1861	Hagen 1861, Blahnik et al 2004	PA, MG
<i>Smicridea (Smicridea) mirnae</i> Almeida and Flint 2002	Almeida and Flint 2002	PR
<i>Smicridea (Smicridea) obliqua</i> Ulmer 1905	Ulmer 1985	AM
<i>Smicridea (Smicridea) palifera</i> Flint 1981	Flint 1981, Blahnik et al 2004	RJ
<i>Smicridea (Smicridea) paranensis</i> Flint 1983	Flint 1983a, Marinoni and Almeida 2000, Blahnik et al 2004	PR, MG, RJ
<i>Smicridea (Smicridea) reinerti</i> Flint 1978	Flint 1978	PA
<i>Smicridea (Smicridea) sattleri</i> Denning and Sykora 1968	Denning and Sykora 1968	SP
<i>Smicridea (Smicridea) sexspinosa</i> Flint 1978	Flint 1978	AM
<i>Smicridea (Smicridea) truncata</i> Flint 1974	Flint 1974c	AM, PA
<i>Synoestroposis</i> Ulmer 1905 (6)	Ulmer 1905a, Flint et al 1999a	
<i>Synoestroposis furcata</i> Flint 1974	Flint 1974c	PA
<i>Synoestroposis grisoli</i> Navás 1924	Navás 1924, Blahnik et al 2004	AM, PA, MG
<i>Synoestroposis obliqua</i> Ulmer 1905	Ulmer 1905a	RS
<i>Synoestroposis pedicillata</i> Ulmer 1905	Ulmer 1905a, Blahnik et al 2004	SC, MG
<i>Synoestroposis punctipennis</i> Ulmer 1905	Ulmer 1905a	AM
<i>Synoestroposis stictonota</i> Navás 1932	Navás 1932a	SC
Hydroptilidae (50)		
<i>Abtrichia</i> Mosely 1939 (2)	Mosely 1939	
<i>Abtrichia antennata</i> Mosely 1939	Mosely 1939, Blahnik et al 2004	SC, MG
<i>Abtrichia squamosa</i> Mosely 1939	Mosely 1939, Blahnik et al 2004	SC, MG, RJ
<i>Acostatrichia</i> Mosely 1939 (3)	Mosely 1939	
<i>Acostatrichia brevipennis</i> Flint 1974	Flint 1974c	RR
<i>Acostatrichia plaumanni</i> Mosely 1939	Mosely 1939	SC
<i>Acostatrichia simulans</i> Mosely 1939	Mosely 1939	SC
<i>Alisotrichia</i> Flint 1964 (1)	Flint 1964	
<i>Alisotrichia cacaulandia</i>	Harris and Flint 2002	RO
<i>Anchitrichia</i> Flint 1970 (1)	Flint 1970	
<i>Anchitrichia duplifurcata</i> Flint 1983	Flint 1983a, Guahyba 1991, Blahnik et al 2004	RJ, MG
<i>Ascotrichia</i> Flint 1983 (1)	Flint 1983a	
<i>Ascotrichia frontalis</i> Flint 1983	Flint 1983a	ES, RJ
<i>Betrichia</i> Mosely 1939 (2)	Mosely 1939	
<i>Betrichia longistyla</i> Flint 1983	Flint 1983a	SC
<i>Betrichia zilbra</i> Mosely 1939	Mosely 1939	SC

Bredinia Flint 1968 (1)	Flint 1981	
<i>Bredinia espinosa</i> Harris, Holzenthal and Flint 2002	Harris, Holzenthal and Flint 2002	MT, RO
Byrsopteryx Flint 1981 (2)	Flint 1981	
<i>Byrsopteryx abrelata</i> Harris and Holzenthal 1994	Harris and Holzenthal 1994, Blahnik et al 2004	RJ, PR
<i>Byrsopteryx espinhosa</i> Harris and Holzenthal 1994	Harris and Holzenthal 1994	RJ
Dicaminus Müller 1879 (1)	Müller 1879b, Botosaneanu and Flint 1982	
<i>Dicaminus ladislavii</i> Müller 1879	Müller 1879b	SC
Eutonella Müller 1921 (1)	Müller 1921, Flint et al 1999a	
<i>Eutonella peltopsychodes</i> Müller 1921	Müller 1921	SC
Flintiella Angrisano 1995 (1)	Angrisano 1995	
<i>Flintiella boraceia</i> Harris, Flint and Holzenthal 2002	Harris, Flint and Holzenthal 2002	SP
Hydroptila Dalman 1819 (2)	Dalman 1819, Bueno 1984, Harris and Holzenthal 1999	
<i>Hydroptila argentinica</i> Flint 1983	Flint 1983a, Blahnik et al 2004	SP, PR
<i>Hydroptila producta</i> Mosely 1939	Mosely 1939	SC
Leucotrichia Mosely 1934 (1)	Mosely 1934, Flint 1970	
<i>Leucotrichia brasiliiana</i> Sattler and Sykora 1977	Sattler and Sykora 1977	AM
Neotrichia Morton 1905 (12)	Morton 1905	
<i>Neotrichia abbreviata</i> Flint 1983	Flint 1983a	SC
<i>Neotrichia dubitans</i> (Mosely) 1939	Mosely 1939	SC
<i>Neotrichia durior</i> Flint 1983	Flint 1983a	SC
<i>Neotrichia filifera</i> Flint 1983a	Flint 1983a, Blahnik et al 2004	MG
<i>Neotrichia longissima</i> Flint 1983	Flint 1983a	SC
<i>Neotrichia noteuna</i> (Mosely) 1939	Mosely 1939	SC
<i>Neotrichia novara</i> (Mosely) 1939	Mosely 1939	SC
<i>Neotrichia ovona</i> (Mosely) 1939	Mosely 1939	SC
<i>Neotrichia rotundata</i> Flint 1974	Flint 1974c	RR
<i>Neotrichia sicilicula</i> Flint 1983	Flint 1983a	SC
<i>Neotrichia tertia</i> (Mosely) 1939	Mosely 1939	SC
<i>Neotrichia teutonia</i> Flint 1983	Flint 1983a	SC
Nothotrichia Flint 1967 (1)	Flint 1967, Harris and Armitage 1997	
<i>Nothotrichia tupi</i> Holzenthal and Harris 2002	Holzenthal and Harris 2002	
Ochrotrichia Mosely 1934 (1)	Mosely 1934b	
<i>Ochrotrichia concha</i> Bueno and Santiago 1992	Bueno and Santiago 1992	AM
Oxyethira Eaton 1873 (13)	Eaton 1873	
<i>Oxyethira bicornuta</i> Kelley 1983	Kelley 1983	AM
<i>Oxyethira brasiliensis</i> Kelley 1983	Kelley 1983	PA
<i>Oxyethira discaelata</i> Kelley 1983	Kelley 1983	AM

<i>Oxyethira espinada</i> Holzenthal and Harris 1992	Holzenthal and Harris 1992, Blahnik et al 2004	MG
<i>Oxyethira hyalina</i> Müller 1879	Müller 1879b	SC
<i>Oxyethira lagunita</i> Flint 1983	Flint 1983a	PR
<i>Oxyethira merga</i> Kelley 1983	Kelley 1983	RR
<i>Oxyethira parce</i> (Edwards and Arnold) 1961	Edwards and Arnold 1961, Blahnik et al 2004	MG
<i>Oxyethira santiagensis</i> Flint 1982	Flint 1982a	Brazil
<i>Oxyethira spirogyrae</i> Müller 1879	Müller 1879b	SC
<i>Oxyethira spissa</i> Kelley 1983	Kelley 1983	AM, PA
<i>Oxyethira tica</i> Holzenthal and Harris 1992	Holzenthal and Harris 1992, Blahnik et al 2004	MG
<i>Oxyethira zilaba</i> (Mosely) 1939	Mosely 1939, Blahnik et al 2004	SC, MG, SP, PR
<i>Peltopsyche</i> Müller 1879 (2)	Müller 1879b, Flint 1971	
<i>Peltopsyche maclachlani</i> Müller 1879	Müller 1879b	SC
<i>Peltopsyche sieboldii</i> Müller 1879	Müller 1879b	SC
<i>Rhyacopsyche</i> Müller 1879 (1)	Müller 1879b	
<i>Rhyacopsyche hagenii</i> Müller 1879	Müller 1879b	SC
<i>Tricholeiochiton</i> Kloet and Hincks 1944 (1)	Kloet and Hincks 1944	
<i>Tricholeiochiton neotropicalis</i> Flint 1992	Flint 1992	RR
Leptoceridae (41)		
<i>Achoropsyche</i> Holzenthal 1984 (1)	Holzenthal 1984	
<i>Achoropsyche duodecimpunctata</i> (Navás) 1916	Navás 1916a, Almeida and Marinoni 2000, Blahnik et al 2004	AM, RR, PA, ES, SC, PR, MG, SP
<i>Atanatolica</i> Mosely 1936 (2)	Mosely 1936, Holzenthal 1988b	
<i>Atanatolica brasiliiana</i> (Brauer) 1865	Brauer 1865	RJ
<i>Atanatolica flinti</i> Holzenthal 1988	Holzenthal 1988b	RJ
<i>Grumichella</i> Müller 1879 (2)	Müller 1879a, Holzenthal 1988b	
<i>Grumichella aequiunguis</i> Flint 1983	Flint 1983a, Blahnik et al 2004	SC, MG, PR
<i>Grumichella rostrata</i> Thienemann 1905	Thienemann 1905, Holzenthal 1988b	MG, RJ, SP, SC
<i>Nectopsyche</i> Müller 1879 (19)	Müller 1879a	
<i>Nectopsyche aureovittata</i> Flint 1983	Flint 1983a, Almeida and Marinoni 2000, Blahnik et al 2004	RJ, SC, PR, MG, SP
<i>Nectopsyche acutiloba</i> Flint 1974	Flint 1974c, Blahnik et al 2004	MG
<i>Nectopsyche bella</i> (Müller) 1921	Müller 1921	SC
<i>Nectopsyche bruchi</i> (Navás) 1920	Navás 1920	MG, PR
<i>Nectopsyche brunneofascia</i> Flint 1983a	Flint 1983a, Blahnik et al 2004	SP, SC
<i>Nectopsyche diminuta</i> (Banks) 1920	Banks 1920, Flint 1991	AM, RR, PA
<i>Nectopsyche flavofasciata</i> (Ulmer) 1907	Ulmer 1907a, Blahnik et al 2004	SC
<i>Nectopsyche fuscomaculata</i> Flint 1983	Flint 1983a, Almeida and Marinoni 2000, Blahnik et al 2004	RJ, SC, PR
<i>Nectopsyche gemma</i> (Müller) 1880	Müller 1880	SC

<i>Nectopsyche jenseni</i> (Ulmer) 1905	Ulmer 1905b	AM
<i>Nectopsyche modesta</i> Müller 1921	Müller 1921	SC
<i>Nectopsyche muelleri</i> (Ulmer) 1905	Ulmer 1905a	SC
<i>Nectopsyche muhni</i> (Navás) 1916	Navás 1916b, Blahnik et al 2004	Brazil, MG
<i>Nectopsyche navasi</i> Holzenthal 1999	Flint et al 1999a	SC
<i>Nectopsyche ortizi</i> Holzenthal 1995	Holzenthal 1995, Almeida and Marinoni 2000, Blahnik et al 2004	PA, PR, MG, SP, RJ
<i>Nectopsyche pantosticta</i> Flint 1983	Flint 1983a, Blahnik et al 2004	RS, RJ
<i>Nectopsyche punctata</i> (Ulmer) 1905	Ulmer 1905b, Blahnik et al 2004	PA, MG, SP
<i>Nectopsyche separata</i> (Banks) 1920	Banks 1920, Almeida and Marinoni 2000, Blahnik et al 2004	RJ, SC, PR, MG, SP
<i>Nectopsyche splendida</i> (Navás) 1917	Navás 1917, Almeida and Marinoni 2000, Blahnik et al 2004	Brazil, PR, MG
<i>Neothripsodes</i> Holzenthal 1989 (1)	Holzenthal 1989	
<i>Neothripsodes anomalus</i> Holzenthal 1989	Holzenthal 1989, Blahnik et al 2004	RJ, MG
<i>Notalina</i> Mosely 1936 (4)	Mosely 1936, Holzenthal 1986b	
<i>Notalina brasiliiana</i> Holzenthal 1986	Holzenthal 1986b	MG
<i>Notalina cipo</i> Holzenthal 1986	Holzenthal 1986b	MG
<i>Notalina hamiltoni</i> Holzenthal 1986	Holzenthal 1986b	SP
<i>Notalina morsei</i> Holzenthal 1986	Holzenthal 1986b	MG
<i>Oecetis</i> McLachlan 1877 (6)	McLachlan 1877	
<i>Oecetis amazonica</i> (Banks) 1924	Banks 1924	AM
<i>Oecetis excisa</i> Ulmer 1907	Ulmer 1907a	BR
<i>Oecetis inconspicua</i> (Walker) 1852	Walker 1852, Blahnik et al 2004	MG, PR
<i>Oecetis iguazu</i> Flint 1983	Flint 1983a, Blahnik et al 2004	ES, RJ, SC, SP
<i>Oecetis paranensis</i> Flint 1982	Flint 1982b, Blahnik et al 2004	Brazil, MG
<i>Oecetis punctipennis</i> (Ulmer) 1905	Ulmer 1905b, Blahnik et al 2004	BA, MG
<i>Oecetis rafaelli</i> Flint 1992	Flint 1992	RR
<i>Triplectides</i> Kolenati 1859 (3)	Kolenati 1859, Holzenthal 1988a	
<i>Triplectides eglerti</i> Sattler 1963	Sattler 1963	AM, PA
<i>Triplectides neotropicus</i> Holzenthal 1988	Holzenthal 1988a, Blahnik et al 2004	MG
<i>Triplectides gracilis</i> (Burmeister) 1839	Burmeister 1839, Holzenthal 1988a, Almeida and Marinoni 2000	MG, ES, RJ, SP, SC, PR
<i>Triplectides misionensis</i> Holzenthal 1988	Holzenthal 1988a, Blahnik et al 2004	SP, RJ, PR, SC
<i>Triplectides ultimis</i> Holzenthal 1988	Holzenthal 1988a	RJ
Limnephilidae (1)		
<i>Antarctoeicia</i> Ulmer 1907 (1)	Ulmer 1907c	
<i>Antarctoeicia brasiliensis</i> Huamantínco and Nessimian 2003	Huamantínco and Nessimian 2003	MG
Odontoceridae (12)		
<i>Barypenthus</i> Burmeister 1839 (1)	Burmeister 1839, Flint 1969, Paprocki and Holzenthal 2001	

Barypenthus concolor Burmeister 1839 Burmeister 1839, Paprocki and Holzenthal 2001 MG, RJ, SP

Marilia Müller 1880 (11) Müller 1880
Marilia albicornis (Burmeister) 1839 Burmeister 1839 Brazil
Marilia elongata Martynov 1912 Martynov 1912, Blahnik et al 2004 MG
Marilia fasciculata Banks 1913 Banks 1913 RO
Marilia flexuosa Ulmer 1905 Ulmer 1905b Brazil
Marilia guaira Flint 1983 Flint 1983a GO
Marilia infundibulum Flint 1983 Flint 1983a SC
Marilia lateralis Flint 1983 Flint 1983a MS
Marilia major Müller 1880 Müller 1880, Blahnik et al 2004 SC, MG, PR
Marilia minor Müller 1880 Müller 1880, Blahnik et al 2004 SC, MG, RJ
Marilia sioli Marlier 1964 Marlier 1964b AM
Marilia truncata Flint 1983a Flint 1983a, Blahnik et al 2004 MG

Philopotamidae (41)

Chimarra Stephens 1829 (39) Stephens 1829, Flint 1998, Blahnik 1998
Chimarra (Chimarra) adamsae Blahnik 1998 Blahnik 1998, Blahnik et al 2004 PA, MG, SP, PR
Chimarra (Chimarra) uara Flint 1971 Flint 1971, Blahnik 1998, Blahnik et al 2004 RO, AM, DF, MG
Chimarra (Chimarrita) akantha Blahnik 1997 Blahnik 1997 AM
Chimarra (Chimarrita) camella Blahnik 1997 Blahnik 1997, Blahnik et al 2004 MG, SP, RJ
Chimarra (Chimarrita) camura Blahnik 1997 Blahnik 1997, Blahnik et al 2004 RJ, SP
Chimarra (Chimarrita) heligma Blahnik 1997 Blahnik 1997 MG
Chimarra (Chimarrita) majuscula Blahnik 1997 Blahnik 1997, Blahnik et al 2004 RJ, SP
Chimarra (Chimarrita) kontilos Blahnik 1997 Blahnik 1997, Blahnik et al 2004 ES, RJ, MG, SP
Chimarra (Chimarrita) tortuosa Blahnik 1997 Blahnik 1997 AM
Chimarra (Chimarrita) simpliciforma Flint 1971 Flint 1971 AM
Chimarra (Chimarrita) xingu Blahnik 1997 Blahnik 1997 PA
Chimarra (Curgia) aurivittata Flint 1971 Flint 1971, Flint 1998 RO, AM
Chimarra (Curgia) beckeri Flint 1998 Flint 1998 RJ
Chimarra (Curgia) boraceia Flint 1998 Flint 1998 SP
Chimarra (Curgia) brasiliiana (Ulmer) 1905 Ulmer 1905, Almeida and Marinoni 2001 SC, PR
Chimarra (Curgia) burmeisteri Flint 1998 Flint 1998 RJ
Chimarra (Curgia) camposae Flint 1998 Flint 1998 MG
Chimarra (Curgia) centrispina Flint 1998 Flint 1998 MG
Chimarra (Curgia) cipoensis Flint 1998 Flint 1998 MG
Chimarra (Curgia) conica Flint 1983 Flint 1983a, Flint 1998, Blahnik et al 2004 RO, CE, MG, SC, MT, GO, RJ
Chimarra (Curgia) cultellata Flint 1983 Flint 1983a, Flint 1998 RO, MG, SC, DF
Chimarra (Curgia) donamariae Denning and Sykora 1968 Denning and Sykora 1968 PA
Chimarra (Curgia) fittkaui Flint 1971 Flint 1971 AM
Chimarra (Curgia) froehlichii Flint 1998 Flint 1998, Blahnik et al 2004 ES, RJ, SP, MG
Chimarra (Curgia) hyooides Flint 1983 Flint 1983a, Flint 1998 PA, SP, SC
Chimarra (Curgia) medioloba Flint 1971 Flint 1971 AM
Chimarra (Curgia) morio Burmeister 1839 Burmeister 1839, Flint 1998 BA, RJ, SP, PR, SC
Chimarra (Otarra) odonta Blahnik 2002 Blahnik 2002 SP, RJ

<i>Chimarra (Curgia) parana</i> Flint 1972	Flint 1972, Flint 1998	MG, RJ, SP, SC, GO, DF
<i>Chimarra (Curgia) petersorum</i> Flint 1998	Flint 1998	PR
<i>Chimarra (Curgia) petricola</i> Flint 1998	Flint 1998	RJ
<i>Chimarra (Curgia) plaumanni</i> Flint 1983	Flint 1983a	SC
<i>Chimarra (Curgia) quaternaria</i> Flint 1971	Flint 1971	AM
<i>Chimarra (Curgia) scopuloides</i> Flint 1974	Flint 1974c, Flint 1998	RO, RR, PA, SC, GO
<i>Chimarra (Curgia) teresae</i> Flint 1998	Flint 1998, Blahnik et al 2004	SC, MG, SP, RJ
<i>Chimarra (Curgia) tucuna</i> Flint 1998	Flint 1998	AM
<i>Chimarra (Curgia) ypsilon</i> Flint 1983	Flint 1983a, Almeida and Marinoni 2001 Female	RJ, SC, PR
<i>Chimarra (Otarra) diaksis</i> Flint 1971	Flint 1971	AM
<i>Chimarra</i> (undetermined) <i>usitatissima</i> Flint 1971	Flint 1971, Flint 1974c, Blahnik 1997	RO, AM, PA, MG
<i>Dolophilodes</i> Ulmer 1909 (1)		
<i>Dolophilodes (Sortosa) sanctipauli</i> Flint 1971	Ulmer 1909	
	Flint 1971	SP
<i>Wormaldia</i> McLachlan 1865 (1)		
<i>Wormaldia planae</i> Ross and King 1956	Ross 1956a, Flint 1999	Brazil
Polycentropodidae (46)		
<i>Cernotina</i> Ross 1938 (26)		
<i>Cernotina abbreviata</i> Flint 1971	Ross 1938, Flint 1971	
<i>Cernotina acalyptera</i> Flint 1971	Flint 1971	PA
<i>Cernotina antonina</i> Holzenthal and Almeida 2003	Flint 1971	AM
<i>Cernotina attenuata</i> Flint 1971	Holzenthal and Almeida 2003	PR, MG
<i>Cernotina bibrachiata</i> Flint 1971	Flint 1971	AM
<i>Cernotina cacha</i> Flint 1971	Flint 1971	AM
<i>Cernotina cingulata</i> Flint 1971	Flint 1971, Blahnik et al 2004	AM, MG
<i>Cernotina compressa</i> Flint 1971	Flint 1971	AM
<i>Cernotina cygnea</i> Flint 1971	Flint 1971	AM
<i>Cernotina cystophora</i> Flint 1971	Flint 1971	AM
<i>Cernotina declinata</i> Flint 1971	Flint 1971	PA
<i>Cernotina decumbens</i> Flint 1971	Flint 1971	AM
<i>Cernotina ecotura</i> Sykora 1998	Flint 1971	AM
<i>Cernotina encrypta</i> Flint 1971	Sykora 1998	RR
<i>Cernotina filiformis</i> Flint 1971	Flint 1971	AM
<i>Cernotina lazzarii</i> Holzenthal and Almeida 2003	Flint 1971	AM
<i>Cernotina obliqua</i> Flint 1971	Flint 1971, Blahnik et al 2004	AM, PA, MG
<i>Cernotina perpendicularis</i> Flint 1971	Flint 1983a	SC
<i>Cernotina sexspinosa</i> Flint 1983	Flint 1971	RR, PA
<i>Cernotina spinigera</i> Flint 1971	Flint 1992	RR
<i>Cernotina spinosior</i> Flint 1992	Flint 1971	AM
<i>Cernotina subapicalis</i> Flint 1971	Flint 1971	AM
<i>Cernotina trispina</i> Flint 1971	Flint 1971	AM
<i>Cernotina uara</i> Flint 1971	Flint 1971	AM
<i>Cernotina unguiculata</i> Flint 1971	Flint 1971	PA
<i>Cernotina verticalis</i> Flint 1971	Flint 1971	AM

<i>Cyrnellus</i> Banks 1913 (7)	Banks 1913, Flint 1971	
<i>Cyrnellus arotron</i> Flint 1971	Flint 1971	AM, PA
<i>Cyrnellus bifidus</i> Flint 1971	Flint 1971	AM
<i>Cyrnellus collaris</i> Flint 1971	Flint 1971	AM
<i>Cyrnellus fraternus</i> (Banks) 1905	Banks 1905, Blahnik et al 2004	AM, PA, MG, PR, SC
<i>Cyrnellus mammillatus</i> Flint 1971	Flint 1971, Blahnik et al 2004	AM, PA, MG, PR, SP
<i>Cyrnellus risi</i> (Ulmer) 1907	Ulmer 1907a, Blahnik et al 2004	AM, PA, MG
<i>Cyrnellus ulmeri</i> Flint 1971	Flint 1971	AM, PA
<i>Nyctiophylax</i> Brauer 1865 (1)	Brauer 1865, Neboiss 1993	
<i>Nyctiophylax neotropicalis</i> Flint 1971	Flint 1971, Blahnik et al 2004	AM, MG, RJ, PR
<i>Polycentropus</i> Curtis 1835 (1)		
<i>Polycentropus urubici</i> Holzenthal and Almeida 2003	Holzenthal and Almeida 2003	SC, PR
<i>Polyplectropus</i> Ulmer 1905 (11)	Ulmer 1905a, Flint 1968, Bueno 1990	
<i>Polyplectropus alleni</i> (Yamamoto) 1967	Yamamoto 1967, Blahnik et al 2004	MG
<i>Polyplectropus annulicornis</i> Ulmer 1905	Ulmer 1905b	RS
<i>Polyplectropus banksianus</i> Flint 1971	Flint 1971	AM
<i>Polyplectropus brachyscolus</i> Flint 1971	Flint 1971	AM
<i>Polyplectropus dubitatus</i> Flint 1983	Flint 1983a	SC
<i>Polyplectropus flavicornis</i> Ulmer 1905	Ulmer 1905a	SC
<i>Polyplectropus fuscatus</i> Flint 1983	Flint 1983a	SC
<i>Polyplectropus inarmatus</i> Flint 1971	Flint 1971	AM
<i>Polyplectropus spiculifer</i> Flint 1971	Flint 1971	AM
<i>Polyplectropus ulmeriana</i> Flint 1983	Flint 1983a	SC
<i>Polyplectropus profaupar</i> Holzenthal and Almeida 2003	Holzenthal and Almeida 2003	SC, PR
Sericostomatidae (1)		
<i>Grumicha</i> Müller 1879 (1)	Müller 1879b, Flint et al 1999a	
<i>Grumicha grumicha</i> (Vallot) 1855	Vallot 1855, Blahnik et al 2004	SC, SP
Xiphocentronidae (3)		
<i>Xiphocentron</i> Brauer 1870 (3)	Brauer 1870, Schmid 1982	
<i>Xiphocentron ilionea</i> Schmid 1982	Schmid 1982	SP
<i>Xiphocentron saltuum</i> Müller 1921	Müller 1921	Brazil
<i>Xiphocentron steffeni</i> (Marlier) 1964	Marlier 1964a	SP

Table 1- Species of Trichoptera recorded for Brazil in the literature.

RO	AC	AM	RR	PA	AP	TO	MA	PI	CE	RN	PB	PE	AL
14	0	109	17	54	0	0	0	0	1	0	1	0	0
SE	BA	MG	ES	RJ	SP	PR	SC	RS	MS	MT	GO	DF	Brazil
0	8	101	12	76	69	55	97	4	3	8	11	8	378

Table 2- Number of Trichoptera species recorded per state in Brazil.

for the country is 61, distributed in 16 families. Hydropsychidae is the family with the largest number of records, with 107 species, followed by Hydroptilidae with 50 species, Polycentropodidae with 46, and Philopotamidae with 41. We also present here the number of species per family and genus for Brazil in Table 1. The number of Trichoptera species per state is presented in Table 2. The Trichoptera fauna of many states is practically unknown. Nine states (AC, AP, TO, MA, PI, RN, PE, AL and SE) do not have any record for the order Trichoptera and another 10 states have less than 15 species records (RO, CE, PB, BA, ES, RS, MS, MT, GO and DF). The total number of known Trichoptera species for the world is 11,638 (Morse 2003). Flint et al. (1999b) recorded 2,196 Trichoptera species for the Neotropical region, distributed in 24 families and 153 genera.

There has been no historical tradition of Trichoptera research in Brazil. It is not surprising that the contribution of Brazilian researchers to the knowledge of Trichoptera biodiversity has been limited to date, but this scenario has been changing in recent years. Increasing numbers of Brazilian researchers and students are developing an interest in the taxonomy of Trichoptera. We hope, they will contribute to the description of Trichoptera diversity in the next years. Knowledge of aquatic fauna biodiversity is important as an aid for policy-makers, water quality, conservation practices, ecological studies and much more. The study of Trichoptera diversity in Brazil is incipient. We expect that the number of species recorded for Brazil will at least double in the next decade. The senior author recorded with co-workers, 91 species of Trichoptera during an aquatic insect biodiversity study conducted in the Ouro Preto (Minas Gerais) region. Thirty-five of the 96 species recorded were unknown to science (Paprocki et al 2002). This study in Ouro Preto is a small sample of the immense Trichoptera biodiversity that Brazilian streams and rivers can support. Known Brazilian biodiversity, as currently reported, is vastly underestimated, considering the country's large area and the complexity of its ecosystems (Migotto et al 2002).

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