

**CHECKLIST OF THE TRICHOPTERA OF COSTA RICA
(463 SPP.)**

HYDROBIOSIDAE (14)

Atopsyche callosa (Navás) 1924
Atopsyche chimpucillo Schmid 1989
Atopsyche cira (Mosely) 1949
Atopsyche dampfi Ross and King 1952
Atopsyche erigia Ross 1947
Atopsyche huainacpac Schmid 1989
Atopsyche implexa (Navás) 1924
Atopsyche jaba Blahnik and Gottschalk 1997
Atopsyche majada Ross 1947
Atopsyche minimajada Blahnik and Gottschalk 1997
Atopsyche pachacamac Schmid 1989
Atopsyche paucartampu Schmid 1989
Atopsyche talamanca Flint 1974
Atopsyche tapanti Blahnik and Gottschalk 197

GLOSSOSOMATIDAE (43)

Culoptila costaricensis Flint 1974
Culoptila rusia Mosely 1954
Culoptila n. sp. 1
Culoptila n. sp. 2
Culoptila n. sp. 3
Culoptila n. sp. 4
Culoptila n. sp. 5

Mexitrichia elongata Flint 1963
Mexitrichia meralda Mosely 1954
Mexitrichia pacuare Flint 1974
Mexitrichia rovira Flint 1974
Mexitrichia n. sp. 1
Mexitrichia n. sp. 2
Mexitrichia n. sp. 3
Mexitrichia n. sp. 4
Mexitrichia n. sp. 5
Mexitrichia n. sp. 6
Mexitrichia n. sp. 7
Mexitrichia n. sp. 8
Mexitrichia n. sp. 9
Mexitrichia n. sp. 10
Mexitrichia n. sp. 11
Mexitrichia n. sp. 12

Mortoniella n. sp. 1

Protoptila bicornuta Flint 1963
Protoptila boruca Flint 1974
Protoptila burica Flint 1974
Protoptila cana Flint 1974
Protoptila ixtala Mosely 1937
Protoptila laterospina Flint 1974
Protoptila orotina orotina Flint 1974
Protoptila spirifera Flint 1974
Protoptila talamanca Flint 1974
Protoptila tica Bueno 1984
Protoptila tojana Mosely 1954
Protoptila n. sp. 1
Protoptila n. sp. 2
Protoptila n. sp. 3
Protoptila n. sp. 4
Protoptila n. sp. 5

Protoptila n. sp. 6
Protoptila n. sp. 7
Protoptila n. sp. 8

HYDROPTILIDAE (142)

Alisotrichia tiza Harris and Holzenthal 1993

Anchitrichia spangleri Flint 1970

Bredinia costaricensis (Flint) 1967
Bredinia n. sp. Harris et al. **MS**
Bredinia n. sp. Harris et al. **MS**

Byrsopteryx chaconi Harris and Holzenthal, 1994
Byrsopteryx cuchilla Harris and Holzenthal, 1994
Byrsopteryx esparta Harris and Holzenthal, 1994
Byrsopteryx gomezi Harris and Holzenthal, 1994
Byrsopteryx solisi Harris and Holzenthal, 1994
Byrsopteryx tapanti Harris and Holzenthal, 1994
Byrsopteryx tica Harris and Holzenthal, 1994

Cerasmatrighia sp. (larval record, Flint, Harris, and Botosaneanu, 1994)

Costatrichia carara Holzenthal and Harris 1999
Costatrichia flinti Holzenthal and Harris 1999
Costatrichia lodora Mosely 1937
Costatrichia simplex Flint 1970
Costatrichia spinifera Flint 1970
Costatrichia tripartita Flint 1970
Costatrichia venezuelensis Holzenthal and Harris 1999
Costatrichia zopilote Holzenthal and Harris 1999

Flintiella n. sp. Harris et al. **MS**
Flintiella n. sp. Harris et al. **MS**
Flintiella n. sp. Harris et al. **MS**

New Genus Harris et al. **MS**

Hydroptila brailovskyi Bueno 1984
Hydroptila carara Harris and Holzenthal 1999
Hydroptila constricta Bueno 1984
Hydroptila curvata Bueno 1984
Hydroptila flinti Bueno 1984
Hydroptila icona Mosely 1937
Hydroptila maritza Harris and Holzenthal 1999
Hydroptila maza Harris and Holzenthal 1999
Hydroptila meralda Mosely 1937
Hydroptila mexicana Mosely 1937
Hydroptila misolha Bueno 1984
Hydroptila osa Harris and Holzenthal 1999
Hydroptila paradenza Harris and Holzenthal 1999
Hydroptila paschia Mosely 1937
Hydroptila rastrilla Harris and Holzenthal 1999
Hydroptila singri Harris and Holzenthal 1999
Hydroptila veracruzensis Flint 1973

Leucotrichia imatator Flint 1970
Leucotrichia limpia Ross 1944
Leucotrichia melleopicta Mosely 1934
Leucotrichia sarita Ross 1944
Leucotrichia n. sp. 1 nr. *limpia*

Leucotrichia n. sp. 2 nr. *melleopicta*

Leucotrichia n. sp. 3

Leucotrichia n. sp. 4

Mayatrichia ayama Mosely 1937

Mayatrichia illobia Harris and Holzenthal 1990

Mayatrichia rualda Mosely 1937

Metrichia lemniscata Flint 1972

Metrichia penicillata Flint 1972

Metrichia quadrata Flint 1972

Metrichia n. sp. 1

Metrichia n. sp. 2

Metrichia n. sp. 3

Metrichia n. sp. 4

Metrichia n. sp. 5

Metrichia n. sp. 6

Metrichia n. sp. 7

Metrichia n. sp. 8

Metrichia n. sp. 9

Metrichia n. sp. 10

Metrichia n. sp. 11

Metrichia n. sp. 12

Metrichia n. sp. 13

Metrichia n. sp. 14

Metrichia n. sp. 15

Metrichia n. sp. 16

Metrichia n. sp. 17

Metrichia n. sp. 18

Metrichia n. sp. 19

Neotrichia esmalda (Mosely) 1937

Neotrichia tauricornis Malicky 1980

Neotrichia n. sp. 1

Neotrichia n. sp. 2

Neotrichia n. sp. 3

Neotrichia n. sp. 4

Neotrichia n. sp. 5

Neotrichia n. sp. 6

Neotrichia n. sp. 7

Neotrichia n. sp. 8

Neotrichia n. sp. 9

Neotrichia n. sp. 10

Neotrichia n. sp. 11

Ochrotrichia aldama (Mosely) 1937

Ochrotrichia avis Bueno and Holzenthal 1998

Ochrotrichia caimita Flint 1972

Ochrotrichia dulce Bueno and Holzenthal 1998

Ochrotrichia membrana Bueno and Holzenthal 1998

Ochrotrichia pacifica Flint 1972

Ochrotrichia panamensis Flint 1972

Ochrotrichia quebrada Bueno and Holzenthal 1998

Ochrotrichia quinealensis Bueno and Holzenthal 1998

Ochrotrichia ramona Bueno and Holzenthal 1998

Ochrotrichia raposa Bueno and Santiago 1992

Ochrotrichia silva Bueno and Holzenthal 1998

Ochrotrichia tenanga (Mosely) 1937

Ochrotrichia vieja Bueno and Holzenthal 1998

Ochrotrichia n. sp. 1

Oxyethira apinolada Holzenthal and Harris 1992

Oxyethira arizona Ross 1948

Oxyethira azteca (Mosely) 1937

Oxyethira costaricensis Kelley 1983

Oxyethira cuernuda Holzenthal and Harris 1992

Oxyethira culebra Holzenthal and Harris 1992

Oxyethira espinada Holzenthal and Harris 1992

Oxyethira glasa (Ross) 1941

Oxyethira hilosa Holzenthal and Harris 1992

Oxyethira janella Denning 1948 (Isla del Coco)

Oxyethira paratzteca Kelley 1983

Oxyethira parce Edwards and Arnold 1961

Oxyethira rareza Holzenthal and Harris 1992

Oxyethira sencilla Holzenthal and Harris 1992

Oxyethira sieruca Holzenthal and Harris 1992

Oxyethira simulatrix Flint 1968

Oxyethira tica Holzenthal and Harris 1992

Rhyacopsyche mexicana (Flint) 1967

Rhyacopsyche torulosa Flint 1971

Rhyacopsyche turrialbae Flint 1971

Rhyacopsyche n. sp. 1

Rhyacopsyche n. sp. 2

Zumatrichia angulata Flint 1970

Zumatrichia attenuata Flint 1970

Zumatrichia bifida Flint 1970

Zumatrichia caudifera Flint 1970

Zumatrichia chiriquiensis Flint 1970

Zumatrichia diamphidia Flint 1970

Zumatrichia filosa Mosely 1937

Zumatrichia galtena Mosely 1937

Zumatrichia multisetosa Flint 1970

Zumatrichia palmara Flint 1970

Zumatrichia rhamphoides Flint 1970

Zumatrichia strobilina Flint 1970

Zumatrichia vieja Flint 1970

Zumatrichia n. sp. 1 nr. *galtena*

Zumatrichia n. sp. 2 nr. *caudifera*

Zumatrichia n. sp. 3 nr. *diamphidia/attenuata*

Zumatrichia n. sp. 4 nr. *teapa*

PHILOPOTAMIDAE (57)

Chimarra (*Chimarra*) *adelpha* Blahnik 1998

Chimarra (*Chimarra*) *alata* Bueno 1983

Chimarra (*Chimarra*) *amica* Blahnik and Holzenthal 1992

Chimarra (*Chimarra*) *angustipennis* (Banks) 1903

Chimarra (*Chimarra*) *beameri* Denning 1960 (not in collection, but listed in Bueno and Flint)

Chimarra (*Chimarra*) *cascada* Blahnik 1998

Chimarra (*Chimarra*) *colmillo* Blahnik and Holzenthal 1992

Chimarra (*Chimarra*) *dentosa* Ross 1948

Chimarra (*Chimarra*) *duckworthi* Flint 1967

Chimarra (*Chimarra*) *emima* Ross 1959

Chimarra (*Chimarra*) *flinti* Bueno 1985

Chimarra (*Chimarra*) *gibba* Blahnik 1998

Chimarra (*Chimarra*) *guanacasteca* Blahnik and Holzenthal 1992

Chimarra (*Chimarra*) *janzeni* Blahnik and Holzenthal 1992

Chimarra (*Chimarra*) *jemima* Blahnik and Holzenthal 1992

Chimarra (*Chimarra*) *lata* Blahnik and Holzenthal 1992

Chimarra (*Chimarra*) *limon* Blahnik 1998

Chimarra (*Chimarra*) *longiterga* Blahnik and Holzenthal 1992

Chimarra (*Chimarra*) *munozzi* Blahnik and Holzenthal 1992

Chimarra (*Chimarra*) *paraortiziana* Blahnik and Holzenthal 1992

Chimarra (*Chimarra*) *peineta* Blahnik and Holzenthal 1992

Chimarra (Chimarra) picea (Navás) 1924
Chimarra (Chimarra) pollex Blahnik and Holzenthal 1992
Chimarra (Chimarra) ridleyi (Denning) 1941
Chimarra (Chimarra) solisi Blahnik and Holzenthal 1992
Chimarra (Chimarra) spangleri Bueno 1985
Chimarra (Chimarra) tapanti Blahnik 1998
Chimarra (Chimarra) villalobosi Bueno 1985
Chimarra (Chimarra) virgencita Blahnik and Holzenthal 1992
Chimarra (Chimarra) yanura Blahnik and Holzenthal 1992

Chimarra (Curgia) aureopunctata Flint 1967
Chimarra (Curgia) banksi (Ulmer) 1907
Chimarra (Curgia) barrettae (Banks) 1900
Chimarra (Curgia) bisectilis Flint 1998
Chimarra (Curgia) centralis Ross 1959
Chimarra (Curgia) costaricensis Flint 1998
Chimarra (Curgia) laguna Ross 1951
Chimarra (Curgia) maritza Flint 1998
Chimarra (Curgia) pablito Flint 1998
Chimarra (Curgia) persimilis (Banks) 1920
Chimarra (Curgia) purisca Flint 1998
Chimarra (Curgia) spatulata Ross 1959
Chimarra (Curgia) wilsoni Flint 1976

Chimarra (Otarra) rossi Bueno 1985

Chimarrhodella costaricensis Blahnik and Holzenthal 1992
Chimarrhodella tapanti Blahnik and Holzenthal 1992
Chimarrhodella ulmeri (Ross) 1956

Wormaldia planae Ross and King 1956
Wormaldia prolixa Flint 1991
Wormaldia n. sp. 1 nr. *planae*
Wormaldia n. sp. 2 nr. *planae*
Wormaldia n. sp. 3 nr. *planae*
Wormaldia n. sp. 4 nr. *planae*
Wormaldia n. sp. 5 nr. *planae*
Wormaldia n. sp. 6
Wormaldia n. sp. 7
Wormaldia n. sp. 8 (Flint's # 138)

HYDROPSYCHIDAE (74)

Calosopsyche ardisia Flint and Bueno 1987
Calosopsyche bicuspis Flint and Bueno 1987
Calosopsyche continentalis Flint and Bueno 1987
Calosopsyche elachista Flint and Bueno 1987
Calosopsyche sandrae (Flint) 1967
Calosopsyche n. sp. nr. *bicuspis/elachista*

Centromacronema apicale (Walker) 1852
Centromacronema auripenne (Rambur) 1842
Centromacronema ferrugineum (Navás) 1924
Centromacronema obscurum (Ulmer) 1905 (or near)
Centromacronema sp. nr. *auripenne*

Leptonema albivirens (Walker) 1852
Leptonema asclepium Flint, McAlpine, Ross 1987
Leptonema campanum Flint, McAlpine, Ross 1987
Leptonema cheesmanae Mosely 1933
Leptonema complexum Mosely 1933
Leptonema crassum Ulmer 1905
Leptonema clorito Muñoz 1997
Leptonema divaricatum Flint, McAlpine, Ross 1987

Leptonema ekisi Flint, McAlpine, Ross 1987
Leptonema flintorum Muñoz 1997
Leptonema forficulum Mosely 1933
Leptonema fortunum Flint, McAlpine, Ross 1987
Leptonema furciligera Flint, McAlpine, Ross 1987
Leptonema hamuli Flint, McAlpine, Ross 1987
Leptonema huismanae Muñoz 1997
Leptonema intermedium Mosely 1933
Leptonema rafita Muñoz 1997
Leptonema salvini Mosely 1933
Leptonema simulans simulans Mosely 1933
Leptonema sinuatum Mosely 1933
Leptonema tapanti Muñoz 1997
Leptonema tica Muñoz 1999
Leptonema turrialbum Flint, McAlpine, Ross 1987
Leptonema vitum Flint, McAlpine, Ross 1987
Leptonema woldianum Flint, McAlpine, Ross 1987

Macronema burmeisteri Banks 1924
Macronema fraternum Banks 1910
Macronema luteipenne Flint and Bueno 1979
Macronema variipenne Flint and Bueno 1979
Macronema n. sp. nr. *variipenne*

Macrostemum ulmeri (Banks) 1913

Plectromacronema lisae Flint 1983

Plectropsyche hoogstraali Ross 1947

Smicridea (Rhyacophylax) acuminata Flint 1974
Smicridea (Rhyacophylax) bifurcata Flint 1974
Smicridea (Rhyacophylax) murina Mac Lachlan 1871
Smicridea (Rhyacophylax) nemorosa Holzenthal & Blahnik 1995
Smicridea (Rhyacophylax) radula Flint 1974
Smicridea (Rhyacophylax) signata (Banks) 1903
Smicridea (Rhyacophylax) singri Holzenthal & Blahnik 1995
Smicridea (Rhyacophylax) talamanca Flint 1974
Smicridea (Rhyacophylax) tapanti Holzenthal & Blahnik 1995

Smicridea (Smicridea) aries Blahnik 1995
Smicridea (Smicridea) bivittata (Hagen) 1861
Smicridea (Smicridea) breviuncata Flint 1974
Smicridea (Smicridea) catherinae Blahnik 1995
Smicridea (Smicridea) fasciatella Mac Lachlan 1871
Smicridea (Smicridea) filicata Flint and Denning 1989
Smicridea (Smicridea) gemina Blahnik 1995
Smicridea (Smicridea) gomezi Blahnik 1995
Smicridea (Smicridea) gomphotheria Blahnik 1995
Smicridea (Smicridea) holzenthali Flint and Denning 1989
Smicridea (Smicridea) hybrida Blahnik 1995
Smicridea (Smicridea) matagalpa Flint 1974
Smicridea (Smicridea) mirama Flint and Denning 1989
Smicridea (Smicridea) multidens Flint and Denning 1989
Smicridea (Smicridea) polyfasciata Martynov 1912
Smicridea (Smicridea) turrialbana Flint 1974
Smicridea (Smicridea) ulva Flint 1974
Smicridea (Smicridea) varia (Banks) 1913
Smicridea (Smidridea) sirena Bueno 1986
Smicridea (Smidridea) n. sp. nr. prorigera

Synoestropsis punctipennis Ulmer 1905

Xiphocentron (*Xiphocentron*) n. sp. 3

POLYCENTROPODIDAE (35)

Cernotina taeneata Ross 1951
Cernotina uncifera Ross 1951
Cernotina n. sp. nr. *laticula* Ross 1951

Cyrnellus fraternus (Banks) 1905

Polycentropus altmani Yamamoto 1967
Polycentropus costaricensis Flint 1967 (see Holzenthal and Hamilton 1988)
Polycentropus dentoides Yamamoto 1967
Polycentropus digitus Yamamoto 1967
Polycentropus fasthi Holzenthal and Hamilton 1988
Polycentropus fortispinus Holzenthal and Hamilton 1988
Polycentropus fortunus Flint 1981
Polycentropus lingulatus Flint 1981
Polycentropus mayanus Flint 1981
Polycentropus nebulosus Holzenthal and Hamilton 1988
Polycentropus spicatus Yamamoto 1967
Polycentropus volcanus Holzenthal and Hamilton 1988
Polycentropus zurqui Holzenthal and Hamilton 1988
Polycentropus n. sp. 1
Polycentropus n. sp. 2

Polyplectropus alienus Bueno 1990
Polyplectropus alleni (Yamamoto) 1967 (lit. record, see Bueno 1990)
Polyplectropus bravoae Bueno 1990
Polyplectropus charlesi (Ross) 1941 (lit. record)
Polyplectropus deltoides Yamamoto 1967
Polyplectropus denticulus Bueno 1990
Polyplectropus laminatus (Yamamoto) 1967 (lit. record)
Polyplectropus mignonae Bueno 1990
Polyplectropus panamensis Bueno 1990
Polyplectropus santiago (Ross) 1947 (lit. record)
Polyplectropus n. sp. 1 nr. *beutelspachi*
Polyplectropus n. sp. 2 nr. *misolha*
Polyplectropus n. sp. 3 nr. *thilus/denticulus*
Polyplectropus n. sp. 4 nr. *deltoides*
Polyplectropus n. sp. 5
Polyplectropus n. sp. 6

ECNOMIDAE (5)

Austrotinodes contubernalis Flint and Denning 1989
Austrotinodes doublesi Muñoz and Holzenthal 1993
Austrotinodes inbio Muñoz and Holzenthal 1993
Austrotinodes panamensis Flint 1973
Austrotinodes sedmani Flint 1973

XIPHOCENTRONIDAE (9)

Cnodocentron galesus Schmid 1982 (lit. record)
Cnodocentron n. sp. 1
Machairocentron n. sp. 1 nr. *carmentus* Schmid 1982
Xiphocentron (*Antillotrichia*) *moncho* Muñoz & Holzenthal 1997
Xiphocentron (*Glyphocentron*) *euryale* Schmid 1982
Xiphocentron (*Sphagocentron*) *evandrus* Schmid 1982
Xiphocentron (*Xiphocentron*) n. sp. 1 nr. *tarquon* Schmid
Xiphocentron (*Xiphocentron*) n. sp. 2 nr. *asilas* Schmid

ANOMALOPSYCHIDAE (6)

Contulma talamanca Holzenthal and Flint 1995
Contulma tica Holzenthal and Flint 1995
Contulma sancta Holzenthal and Flint 1995
Contulma costaricensis Holzenthal and Flint 1995
Contulma valverdei Holzenthal and Flint 1995
Contulma tapanti Holzenthal and Flint 1995

LIMNEPHILIDAE (2)

Limnephilus hamifer Flint 1963
Limnephilus maya Flint 1967

LEPIDOSTOMATIDAE (7)

Lepidostoma ectopium Holzenthal and Strand 1992
Lepidostoma frontale (Banks) 1901
Lepidostoma mexicanum (Banks) 1901
Lepidostoma polylepidum Holzenthal and Strand 1992
Lepidostoma reimoseri Flint and Bueno 1977
Lepidostoma talamancense Flint and Bueno 1977
Lepidostoma tapanti Holzenthal and Strand 1992

ODONTOCERIDAE (6)

Marilia crea Mosely 1949
Marilia flexuosa Ulmer 1905
Marilia n. sp. 1 (=crea ?)
Marilia n. sp. 2
Marilia n. sp. 3 (very close to 2, poss. the same)
Marilia n. sp. 4 (white species)

HELICOPSYCHIDAE (11)

Cochliopsyche vasquezae Flint 1986
Helicopsyche borealis (Hagen) 1861
Helicopsyche dampfi Ross 1956 (or near)
Helicopsyche incisa Ross 1956 (or near)
Helicopsyche lewalleni Denning and Blickle 1979 (= *piroa*, *vergelana*, etc?)
Helicopsyche mexicana Banks 1901
Helicopsyche rentzi Denning and Blickle 1979
Helicopsyche selanderi Ross 1956
Helicopsyche vergelana Ross 1956 (lit record)
Helicopsyche sp. 1 (this is probably *rentzi*, need to compare with type)
Helicopsyche sp. 5

CALAMOCERATIDAE (13)

Banyallarga n. sp. 1
Banyallarga n. sp. 2
Banyallarga n. sp. 3
Muriellia acutiterga Denning and Hogue 1983
Phylloicus aeneus (Hagen) 1861 (*latum* Navás is a syn., Flint, unpub.)
Phylloicus centrale (Navás) 1924 or *Phylloicus ornata* Banks 1909
Phylloicus elegans Hogue and Denning 1983

Phylloicus lituratus Banks 1920
Phylloicus maculatus (Banks) 1901
Phylloicus priapululus Denning and Hogue 1983
Phylloicus n. sp. 1 nr. *elegans*
Phylloicus n. sp. 2 nr. *chalybeus*
Phylloicus n. sp. 3 nr. *ornata*

LEPTOCERIDAE (39)

Atanatolica moselyi Denning and Holzenthal 1988
Atanatolica n. sp. 1

Nectopsyche argentata Flint 1991
Nectopsyche dorsalis (Banks) 1901
Nectopsyche exophthalma Holzenthal 1995
Nectopsyche gemmoides Flint 1981
Nectopsyche gracilis (Banks) 1901
Nectopsyche montana Holzenthal 1995
Nectopsyche onyx Holzenthal 1995
Nectopsyche ortizi Holzenthal 1995
Nectopsyche pavidata (Hagen) 1861
Nectopsyche punctata (Ulmer) 1905
Nectopsyche spiloma (Ross) 1944
Nectopsyche tapanti Holzenthal 1995
Nectopsyche tuanis Holzenthal 1995
Nectopsyche utleyorum Holzenthal 1995
Nectopsyche n. sp. 3 nr. *punctata*
Nectopsyche n. sp. 4 nr. *maculipennis*

Oecetis avara (Banks) 1895
Oecetis inconspicua (Walker) 1852
Oecetis knutsoni Flint 1981 or near
Oecetis pseudoinconspicua Bueno 1981
Oecetis punctata (Navás) 1924
Oecetis punctipennis (Ulmer) 1905
Oecetis n. sp. 1 nr. *knutsoni*
Oecetis n. sp. 2 nr. *metlacensis* Bueno
Oecetis n. sp. 6 nr. *prolongata* Flint
Oecetis n. sp. 7 *testacea* group
Oecetis n. sp. *avara* grp. 1
Oecetis n. sp. *avara* grp. 2

Triaenodes delicatus Navás 1924
Triaenodes n. sp. 1
Triaenodes n. sp. 2
Triaenodes n. sp. 3
Triaenodes n. sp. 4
Triaenodes n. sp. 5
Triaenodes n. sp. 6
Triaenodes n. sp. 7

Triplectides flintorum Holzenthal 1988