



Online version

Copyright © 1993, 2000 by Cooperative Research Centre For Freshwater Ecology, Ellis Street, Thurgoona, P.O. Box 921, Albury, NSW 2640

National Library of Australia Cataloguing-in-Publication.

Hawking, John H. (John Henry), 1949-

A preliminary guide to keys and zoological information to identify invertebrates from Australian freshwaters.

ISSN 1321-280X.

ISBN 0 646 17041 4.

I. Freshwater invertebrates - Australia - Identification.

I. Cooperative Research Centre for Freshwater Ecology.

II. Title. (Series : Identification guide (Cooperative Research Centre for Freshwater Ecology); no.2).

592.092994

TABLE OF CONTENTS

INTRODUCTION.....	1
TAXONOMIC AND ZOOLOGICAL INFORMATION.....	2
PHYLUM PROTOZOA.....	2
PHYLUM PORIFERA (Sponges).....	2
PHYLUM COELENTERATA OR CNIDARIA (Hydras, jellyfish).....	2
CLASS HYDROZOA.....	3
PHYLUM PLATYHELMINTHES (Primitive worms).....	3
CLASS TEMNOCEPHALIDEA.....	3
CLASS TURBELLARIA.....	3
Order Tricladida (Flatworms).....	3
Order Catenulida (Microturbellarians).....	3
Order Macrostomida (Microturbellarians).....	3
Order Neorhabdozoa (Microturbellarians).....	3
Order Alloecoela (Microturbellarians).....	4
PHYLUM NEMERTEA (Proboscis worms).....	4
PHYLUM NEMATODA (Roundworms).....	4
PHYLUM NEMATOMORPHA (Horsehair worms).....	4
PHYLUM ROTIFERA (Rotifers).....	4
PHYLUM GASTROTRICHA.....	5
PHYLUM BRYOZOA or POLYZOA (Pipe moss or moss animalcules).....	5
PHYLUM MOLLUSCA (Snails, mussels).....	5
CLASS GASTROPODA (Snails).....	5
CLASS BIVALVIA (Mussels).....	6
PHYLUM ANNELIDA (True worms, leeches).....	6
CLASS OLIGOCHAETA (Aquatic earthworms).....	6
CLASS HIRUDINEA (Leeches).....	6
CLASS APHANONEURA.....	7
CLASS POLYCHAETA (Bristleworms).....	7
PHYLUM TARDIGRADA (Water bears).....	7
PHYLUM ARTHROPODA.....	7
CLASS ARACHNIDA (Mites & spiders).....	7
Order Acariformes (formerly Acarina) (Mites).....	7
Order Araneae (Spiders).....	8
CLASS CRUSTACEA.....	8
Order Anostraca (Fairy shrimps).....	8
Order Notostraca (Tadpole or Shield shrimps).....	9
Order Anaspidinea.....	10
Order Bathynellacea.....	10
Order Thermosbaenacea.....	11
Order Isopoda.....	11
Order Amphipoda (Scuds).....	11
Order Decapoda.....	12
CLASS COLLEMBOLA (Springtails).....	12
CLASS INSECTA (Insects).....	12
Order Ephemeroptera (Mayflies).....	12
Order Odonata (Dragonflies and damselflies).....	13
Order Plecoptera (Stoneflies).....	14
Order Hemiptera (Bugs).....	14
Order Megaloptera (Alderflies, dobsonflies).....	15
Order Neuroptera (Lace-wings).....	15
Order Coleoptera (Beetles).....	15
Order Mecoptera (Scorpion-flies, hanging-flies).....	16
Order Diptera (Two-winged flies).....	16
Order Trichoptera (Caddisflies).....	17
Order Lepidoptera (Moths).....	18
Order Hymenoptera (Wasps).....	18
REFERENCES.....	19
ACKNOWLEDGMENTS.....	44

INTRODUCTION

This guide is a collation of the taxonomic literature that is available to identify invertebrates found in Australian inland waters. It aims to help inform biologists of the latest taxonomic literature, foster the use of recognised keys, add consistency to identifications, and high-light groups that need urgent taxonomic attention. This guide is intended to be a ready-reckoner guide to quickly find the appropriate identification keys and save hours searching for relevant taxonomic keys. This guide is intended to help bridge the gap until a comprehensive taxonomic treatise for freshwater invertebrates is available.

This identification guide is based on the taxonomic reference collection at the Murray-Darling Freshwater Research Centre (MDFRC). The reference collection consists of a large compilation of taxonomic literature and voucher specimens (most species identifications have been checked by recognised experts). The material has been derived from the Centre's ecological programs as part of the Cooperative Research Centre for Freshwater Ecology and the Murray Darling Basin Commission's Biological Monitoring Program. The collection is based on the Museum of Victoria's collection and taxonomic literature, being recently upgr aded with help from scientists at the Australian National Insect Collection and other taxonomists.

This guide updates and replaces the first edition by Hawking (1994), the handout presented at 1994 Taxonomy Workshop (Hawking 1993a), the condensed version published in the ASL Newsletter (Hawking 1993b) and updates from the 1995-1999 Taxonomy Workshops. This is not a definitive list of the available taxonomic literature. The author would be pleased to learn of references that could be included and would like to receive copies of new keys to include in future editions of this

The guide is designed to be of maximum benefit to those identifying to all taxonomic levels. Each major group is selected and the most appropriate key to families, in many cases genera or species are listed, with any additional information that may be useful. The families in almost all groups are listed and information to the specific level is given, generally under the relevant genera. The families are all listed in alphabetic order for consistency while the major groups basically follow Williams (1980) with slight modifications.

TAXONOMIC AND ZOOLOGICAL INFORMATION

Key to Phyla/Classes/Orders: Williams (1980).

Interactive key to Phyla/families: Gunn *et al.* (1999).

Regional keys: SW Aust. – standing waters, Davis & Christidis (1997); SE Aust. - standing waters, Ingram *et al.* (1997).

Field guide: Hawking & Smith (1997).

Gould League keys: Early primary level – Winters (1998); late primary to secondary level – Miller (1996).

Dictionary of biological terms: Henderson's – Lawrence (1990).

Dictionary of zoology: Oxford – Allaby (1999).

Dictionary of biology: Oxford – Martin *et al.* (1996); Penguin – Thain & Hickman (1996).

Entomology glossary: - Torre-Bueno *et al.* (1989) updates Torre-Bueno (1985).

American keys and taxonomic information: Non-Insects - Pennak (1989) updates Pennak (1978), Thorp & Covich (1991); Insects – Merritt & Cummins (1996) updates Merritt & Cummins (1984).

British keys and taxonomic information: Quigley (1977); Macan (1964).

Invertebrate zoology texts: Anderson (1999); Ruppert & Barnes (1994); Meglitsch & Schram (1991); Engemann & Hegner (1981); Marshall & Williams (1972).

PHYLUM PROTOZOA

Key to families: Lee *et al.* (1985); Kudo (1997); Lund & Lund (1995); Pentecost (1984).

Colour guide: Patterson & Hedley (1992).

Beginner's guide: Finlay *et al.* (1988).

Regional keys: Tas - Seamer (1998); SA - 13 spp., Foissner & O'Donoghue (1990).

Additional information: American taxonomic information - Taylor & Sanders (1991); Pennak (1989).

Specific information

Ciliata (Ciliates): Corliss (1979); User friendly guide – Foissner & Berger (1996); Colpodea – Foissner (1993); Cyrtophorida, Oligotrichida, Hypotrichia, Colpodea - Foissner *et al.* (1991); Peritrichia, Heterotrichida, Odontostomatida - Foissner *et al.* (1992); *Stentor* - Foissner & Wöfl (1994); British keys – Curds (1982), Curds *et al.* (1982).

Rhizopoda (Sarcodina): Playfair (1917); Testate Amoebae - Ogden & Hedley (1980).

Mastigophora (Flagellates): Playfair (1915, 1920, 1921); Leedale (1983); Prescott (1981).

PHYLUM PORIFERA (Sponges)

Key to genera: Racek (1969); Williams (1980).

Additional information: American taxonomic information - Frost (1991); Pennak (1989).

Specific information

Spongillidae: Racek (1969).

PHYLUM COELENTERATA OR CNIDARIA (Hydras, jellyfish)

CLASS HYDROZOA

Key to genera: Williams (1980).

Additional information: Pennak (1989); Slobodkin & Bossert (1991).

Specific information

Australomedusidae: *Australomedusa* – Russell (1970, 1971), Williams (1980).

Clavidae: *Cordylophora* – Williams (1980), Pennak (1989).

Hydriidae: *Hydra* – see Williams (1980), Pennak (1989).

Olindiidae (Petasidae): *Craspedacusta* – see Williams (1980), Pennak (1989).

PHYLUM PLATYHELMINTHES (Primitive worms)

CLASS TEMNOCEPHALIDEA

Key to species: Williams (1980)

Regional key: Tas - Hickman (1967).

Specific information

Temnocephalidae: Hickman (1967).

CLASS TURBELLARIA

Order Tricladida (Flatworms)

Taxonomic information: Williams (1980).

Regional keys: Vic - Hay & Ball (1979); Tas - Ball & Vinh-Hao (1979).

Additional information: St Clair (1999); British taxonomic information – Reynoldson (1978); American taxonomic information - Pennak (1989).

Specific information

Dugesiidae: *Cura*, *Neppia*, *Romankenkius* - Ball (1974a), Ball & Vinh-Hao (1979), Sluys (1997), Sluys & Rohde (1991); *Reynoldsonia* - Ball (1974b); *Eviella* - Ball (1977a); *Spathula* - Ball (1977b), Ball & Vinh-Hao (1979).

Planariidae: *Bdellasimilis* – Sluys (1990), Richardson (1968a, 1970a), Ball (1976).

Order Catenulida (Microturbellarians)

Taxonomic information: Williams (1980).

Order Macrostomida (Microturbellarians)

Taxonomic information: Williams (1980).

Order Neorhabdoceola (Microturbellarians)

Taxonomic information: Williams (1980).

Specific information

Neorhabdoceola: *Didymorchis* – Haswell (1915); *Mesostoma* – Ferguson & Hayes (1941).

Order Alloeocoela (Microturbellarians)

Taxonomic information: Williams (1980).

Specific information

Alloeocoela: Prorhynchus – Hickman (1934).

PHYLUM NEMERTEA (Proboscis worms)

Taxonomic information: Williams (1980), Pennak (1989).

Specific information

Tetrastemmatidae: Prostoma - Gibson & Moore (1971, 1976).

PHYLUM NEMATODA (Roundworms)

Taxonomic information: Williams (1980).

Additional information: Johnston (1938), Nicholas (1975); American key - Tarjan *et al.* (1977).

Specific information

Thoracostomopsidae: *Enoploides stewarti*, *Mesacanthion alexandrinus* – Nicholas (1993).

Torbrilidae: *Eutobrilus heptapapillatus* - Bird (1995).

PHYLUM NEMATOMORPHA (Horsehair worms)

Key to genera: Williams (1980).

Additional information: American keys and information - Pennak (1989); Poinar (1991).

Specific information

Gordiidae: Johnston (1938); Williams (1980).

Chordodidae: Johnston (1938) Williams (1980).

PHYLUM ROTIFERA (Rotifers)

Keys to families/genera/species: Shiel (1995).

Rotifera morphology: – Koste & Shiel (1987).

Rotifera biology, ecology and systematics: - Nogrady *et al.* (1993)

Specific information

Adinetidae: Koste & Shiel (1986).

Asplanchnidae: Shiel (1995), Shiel & Koste (1993).

Brachionidae: Koste & Shiel (1987).

Colurellidae: Koste & Shiel (1989b).

Dicranophoridae: De Smet (1997); Koste (1978).

Epiphanidae: Koste & Shiel (1987).
Euchlanidae: Koste & Shiel (1989a).
Gastropodidae: Shiel (1995); Shiel & Koste (1993).
Habrotrichidae: Koste & Shiel (1986).
Hexarthridae: Shiel (1995), Koste (1978).
Ituridae: Pourriot (1997); Koste (1978).
Lecanidae: Segers (1995a); Koste & Shiel (1990a).
Lindiidae: Koste & Shiel (1990b).
Microcodonidae: Koste (1978).
Mytilinidae: Koste & Shiel (1989a).
Notommatidae: Koste & Shiel (1991).
Philodinae: Nogrady & Pourriot (1995); Koste & Shiel (1986).
Philodinidae: Koste & Shiel (1986).
Proalidae: De Smet (1996); Koste & Shiel (1990b).
Scaridiidae: Segers (1995b).
Synchaetidae: Shiel (1995), Shiel & Koste (1993).
Trichocercidae: Shiel & Koste (1992).
Trichotriidae: Koste & Shiel (1989a).

PHYLUM GASTROTRICHA

Taxonomic information: Williams (1980).

Additional information: American information - Pennak (1989).

PHYLUM BRYOZOA or POLYZOA (Pipe moss or moss animalcules)

Key to species: Williams (1980).

Additional information: Lacourt (1968); American keys and information - Pennak (1989); Wood (1991).

PHYLUM MOLLUSCA (Snails, mussels)

CLASS GASTROPODA (Snails)

Key to families/genera: Smith (1996).

Regional keys: SE Aust. - Smith & Kershaw (1979); Tas - Smith & Kershaw (1981).

Additional information: McMichael (1967); Iredale (1943); Williams (1980).

Specific information

Ancylidae: Hubendick (1967); Smith (1996).

Assimineidae: Solem *et al.* (1982); Smith (1996).

Bithyniidae: Smith (1996).

Glacidorbidae: Smith (1996).

Hydrobiidae: *Austropyrgus* – Miller *et al.* (1999); *Beddomeia*, *Nanocochlea*, *Phranetela*, *Victodrobia* - Ponder *et al.* (1993), Miller *et al.* (1999); *Fluvidona* – Ponder *et al.* (1994); *Fonscochlea*, *Trochidrobia* - Ponder *et al.* (1989); *Jardinella* - Ponder & Clark (1990), Ponder (1991); *Posticobia* - Smith (1996); *Potamopyrgus* - Ponder (1988).

Lymnaeidae: Smith (1996); *Austropeplea* - Boray & McMichael (1961).
Neritidae: Benthem Jutting (1956).
Planorbidae: Key to genera - Smith (1996); Bulininae - Walker (1988).
Physidae: Smith (1996).
Pomatiopsidae: Macpherson (1957).
Thiaridae: Smith (1996).
Viviparidae: Stoddart (1982).

CLASS BIVALVIA (Mussels)

Keys to families/genera: Smith (1996).
Regional keys: SE Aust. - Smith & Kershaw (1979); Tas - Smith & Kershaw (1981); River Murray - Walker (1981).
Additional information: McMichael (1967); Williams (1980); Walker (1981).

Specific information

Hyriidae: McMichael & Hiscock (1958), Hiscock (1960); *Hyridella australis* - Hiscock (1951).
Sphaeriidae: Kuiper (1983).
Corbiculidae: Smith (1996)

PHYLUM ANNELIDA (True worms, leeches)

CLASS OLIGOCHAETA (Aquatic earthworms)

Keys to families/genera/species: Pinder & Brinkhurst (1994), updates Brinkhurst (1971).
Additional information: Brinkhurst & Jamieson (1971).

Specific information

Capilloventridae: *Capilloventer* - Pinder & Brinkhurst (1997c).
Haplotaxidae: *Haplotaxis ornamentus* - Brinkhurst & Fulton (1980)
Lumbriculidae: Pinder & Brinkhurst (1994).
Phreodrilidae: Pinder & Brinkhurst (1997a).
Naididae: *Slavina* - Pinder & Brinkhurst (1997b).
Tubificidae: Pinder & Brinkhurst (1994), Brinkhurst (1984).

CLASS HIRUDINEA (Leeches)

Key to families: Williams (1980).
Additional information: Annotated list with description of spp. - Richardson (1968b); American taxonomic information - Pennak (1989), Davies (1991).

Specific information

Erpobdellidae: Richardson (1971a).
Glossiphoniidae: Descriptions of spp. - Richardson (1968b); *Helobdella* – Govedich & Davies (1998).
Ornithobdellidae: Richardson (1969a).
Ozobranchidae: Richardson (1969b).
Richardsonianidae: *Bassianobdella* - Richardson (1970b, 1972a); *Eunomodbella*, *Euranophila*, *Goddardodbella* - Richardson (1969a); *Kaiyabdella* - Richardson (1972b); *Habeobdella* - Richardson (1971b); *Priscabdella* - Richardson (1973).

CLASS APHANONEURA

Keys to species: Pinder & Brinkhurst (1994).

Additional information: Formerly placed in the Oligochaeta (Pinder & Brinkhurst 1994).

Specific information

Aeolosomatidae: Pinder & Brinkhurst (1994).

CLASS POLYCHAETA (Bristleworms)

Key to families/genera: Fauchald (1977).

Regional key: Southern Aust. - Hutchings (1982).

Additional information: Fauchald (1977); American information - Pennak (1989).

Specific information

Sabellidae: *Manayunkia athalassia* - Hutchings *et al.* (1981).

Spionidae: *Boccardia* – Blake & Woodwick (1976).

PHYLUM TARDIGRADA (Water bears)

Taxonomic information: Miller (1997), Claxton (1996); Williams (1980).

Additional information: Pilato & Claxton (1988); Pilato *et al.* (1989a, b, 1991); American information - Pennak (1989).

PHYLUM ARTHROPODA

CLASS ARACHNIDA (Mites & spiders)

Order Acariformes (formerly Acarina) (Mites)

Key to major groups: Harvey (1998); Harvey & Grown (1998).

Suborder Prostigmata

Key to genera of subcohort Hydracarina: Harvey (1998), replaces Harvey (1989a); Harvey & Grown (1998).

Additional information: Cook (1974); Cook (1986); Viets (1978).

Specific information

Anisitsiellidae: Harvey (1990b).

Arrenuridae: *Wuria* - Harvey (1989c); *Arrenurus kitchingi* - Smith & Harvey (1989).

Athienemanniidae: *Mellamunda* – Harvey (1988b).

Aturidae: *Wheenyoides* - Harvey (1990e).

Hydryphantidae: *Austrotrombella* – Harvey (1996a); *Pseudohydryphantes*, *Tartarothyas*, *Cyclohydryphantes* - Harvey (1987); *Mamersa*, *Pseudohydryphantes* - Harvey (1988d); *Notopanisus* – Harvey (1988b).

Hygrobatidae: *Australorivacarus* - Harvey (1989b); *Aspidiobates* – Key to spp., Harvey & Cook (1988), Harvey (1988c); *Cookabates* – Harvey (1988b).

Limnocharidae: Harvey (1990a, 1998).

Mideopsidae: *Mideopsellinae*, *Tillia* - (Harvey 1990e).

Momoniidae: *Partidomomonina* - Harvey (1990d).

Pionidae: Harvey (1996b).

Unionicolidae: *Unionicola*, *Unionicolopsis* - Viets (1980).

Subcohort Trombidioidea

Taxonomic information: Harvey (1998), Harvey & Growns (1998).

Specific information

Trombidiidae: Harvey (1998),

Superfamily Halacaroidea

Key to families: Harvey (1998), Harvey & Growns (1998).

Specific information

Halacaridae: *Lobohalacarus* - Harvey (1988a).

Pezidae: *Peza* - Harvey (1990c).

Suborder Oribatida

Key to families/genera/species : Interactive Key (CD Rom) - Hunt *et al.* (1998b).

Additional information: Glossary - Hunt *et al.* (1998a).

Specific information

Hydrozetidae: Hunt *et al.* (1998b).

Ameronothridae: Hunt *et al.* (1998b).

Order Araneae (Spiders)

Key to families: Davies (1986).

Specific information

Pisauridae (Water spiders): Davies (1986); *Megadolomedes australianus* - Davies & Raven (1980).

CLASS CRUSTACEA

Key to subclass/orders: Williams (1980); Malacostraca (Amphipoda, Decapoda, Isopoda & Syncarida) - Horwitz (1995).

Additional information: Bayly *et al.* (1967).

Order Anostraca (Fairy shrimps)

Key to genera: Geddes (1981), Williams (1980).

Additional information: Pennak (1989).

Specific information

Artemiidae: *Artemia* – see Williams (1980).

Branchipodidae: *Parartemia* – Geddes (1973).

Thamnocephalidae: *Branchinella* – Geddes (1981).

Order Notostraca (Tadpole or Shield shrimps)

Key to species: Williams (1980).

Additional information: Bayly et al. (1967); Pennak (1989).

Specific information

Triopsidae: Williams (1980).

Suborder Conchostraca (Clam shrimps)

Key to families/genera: Williams (1980); Bayly *et al.* (1967).

Additional information: The family designations are uncertain and are not used – see Williams (1980); American taxonomic information - Pennak (1989).

Specific information

Conchostraca: Daday de Dees (1927), Henry (1924); Sayce (1902b).

Suborder Cladocera (Water-fleas)

Key to families/genera: Shiel (2000).

Checklist of Australian species: Shiel & Dickson (1995).

Additional information: Smirnov & Timms (1983); American information – Dodson & Frey (1991).

Specific information

Bosminidae: Shiel (2000); Smirnov & Timms (1983).

Chydoridae: Shiel (2000); Griggs *et al.* (1999); *Alona*, *Biapertura* – Smirnov (1989a); *Pleuroxus* - Frey (1998a, 1991b); *Leberis aenigmatica* Frey (1998b); *Archepleuroxus*, *Planicirclus*, *Plurispina* - Frey (1991b); *Celsinotum* - Frey (1991a); *Notoalona* - Rajapaksa & Fernando (1987).

Daphniidae: Shiel (2000); *Ceriodaphnia* - Smirnov & Timms (1983); *Daphnia* - Benzie (1988); *Daphniopsis* - Smirnov & Timms (1983), Sergeev & Williams (1983, 1985), Sergeev (1990); *Scapholeberis*, *Simocephalus* - Dumont (1983).

Ilyocryptidae: Shiel (2000); *Ilyocryptus* - Smirnov (1992); Smirnov & Timms (1983).

Macrothricidae: Shiel (2000); Smirnov (1992).

Moinidae: Shiel (2000); Smirnov & Timms (1983), Smirnov (1989b); *Moina* - Forro (1985).

Sididae: Shiel (2000); Korovchinsky (1992); *Diaphanosoma* - Korovchinsky (1981).

Subclass Ostracoda (Shell or seed shrimps)

Taxonomic information to families: De Deckker (1995).

Incomplete keys to families: Williams (1980); Bayly et al. (1967).

Additional information: Hartmann & Puri (1974), Pennak (1989).

Specific information

Cyprididae: *Alboa* - De Deckker (1981a); *Ampullacypris* – De Dekker (1981c); *Australocypris* - De Deckker (1974, 1978, 1981a); *Bennelongia* – De Deckker (1981c), De Deckker & McKenzie (1981); *Cypricercus* – De Deckker (1981c); *Cyprinotus*, *Hemicypris*, *Isocypris*, *Candonocypris* – McKenzie (1966), De Deckker (1981c); *Cypretta* - McKenzie (1966); *Diacypris* - De Deckker (1981b); *Eucypris* - Chapman (1966), De Deckker (1981c); *Heterocypris* - De Deckker (1979a, 1981c); *Ilyodromus* – De Deckker (1981c); *Mytilocypris* - McKenzie (1966), De Deckker (1978); *Trigonocypris* - De Deckker (1976, 1978); *Ngarawa* - De Deckker (1979 a); *Paracypia* - McKenzie (1968); *Reticypris* - McKenzie (1978), De Deckker & Geddes (1980), De Deckker (1981a);

Strandesia - McKenzie (1966), De Deckker (1981a); *Zonocyprretta* - De Deckker (1981b).

Ilyocyprididae: *Ilyocypris* - De Deckker (1981a).

Leptocytheridae: *Leptocythere* - De Deckker (1981a,b).

Notodromadidae: De Deckker (1979b).

Limnocytheridae: *Gomphocythere* - Hussainy (1969); *Gomphodella*, *Limnocythere* - De Deckker (1981a,c).

Subclass Copepoda

Key to families: Williams (1980).

Morphology: Huys & Boxshall (1991).

Additional information: American taxonomic information - Pennak (1989), Williamson (1991).

Specific information

Canthocamptidae: *Mesochra* - estuarine and saline lagoons, Hamond (1971); *Robertsonia* - Hamond (1973); *Canthocamptus*, *Fibulacamptus* - Hamond (1987).

Centropagidae: Bayly (1992); *Calamoecia* - Bayly (1961, 1962, 1984); *Gladioferens* - Bayly (1963); *Boeckella*, *Hemiboeckella* - Bayly (1964a, 1967, 1974, 1979, 1985); *Isias* - Bayly (1964b).

Cyclopidae: *Acanthocyclops*, *Diacyclops*, *Australocyclops* - Morton (1985); *Eucyclops*, *Ectocyclops* - Morton (1990).

Diaptomidae: *Diaptomus* (Bayly 1966).

Subclass Branchiura (Fish-lice)

Identification information: Williams (1980).

Additional information: Pennak (1989).

Specific information

Argulidae: *Dolops* - Fryer (1969); *Argulus* - Heegaard (1962).

Subclass Malacostraca

Key to orders/families: Horwitz *et al.* (1995).

Superorder Syncarida

Order Anaspidinea

Key to families: Horwitz *et al.* (1995); key to some genera -Williams (1980).

Additional information: Bayly *et al.* (1967).

Specific information

Anaspididae: *Anaspides* - Williams (1965); *Allanaspides* - Swain *et al.* (1970, 1971); *Paranaspides* - Schminke (1974).

Koonungidae: *Koonunga* - Zeidler (1985), De Deckker (1980); *Micraspides* - Nicholls (1931).

Psammaspididae: Knott & Lake (1980).

Stygocarididae: Information - Horwitz *et al.* (1995); Williams (1980).

Order Bathynellacea

Key to families: Horwitz *et al.* (1995)

Specific information

Bathynellidae: Information - Horwitz *et al.* (1995); Williams (1980).

Parabathynellidae: Information - Horwitz *et al.* (1995); Williams (1980).

Superorder Peracarida

Order Thermosbaenacea

Key to family: Horwitz *et al.* (1995);

Specific information

Monodellidae or Halosbaenidae: Poore & Humphreys (1992).

Order Isopoda

Key to families: Horwitz *et al.* (1995).

Additional information: Williams (1980).

Phreatoicid web site: <http://www-personal.usyd.edu.au/~buz/home.html>

Specific information

Amphisopidae: Nicholl (1943).

Anthuridae: Taxonomic information - Horwitz *et al.* (1995).

Cirolanidae: Bruce (1986); Riek (1953a, 1967).

Hypsimetopidae: Taxonomic information - Horwitz *et al.* (1995).

Janiridae: Wilson & Wägele (1994), Wilson (1994); Roberts (1975).

Mesamphisopidae: Taxonomic information - Horwitz *et al.* (1995).

Microparasellidae: Stock (1977).

Oniscidae: Green (1961); Ellis & Williams (1970); Chilton (1920).

Phreatoicidae: Nicholls (1944); *Crenoicus* – Wilson & Ho (1996).

Phreatoicopsidae: Taxonomic information - Horwitz *et al.* (1995).

Sphaeromatidae: Harrison & Ellis (1991).

Styloniscidae: Taxonomic information - Horwitz *et al.* (1995).

Order Amphipoda (Scuds)

Key to families/genera/species: Bradbury & Williams (1999a, 1999b).

Additional information: Horwitz *et al.* (1995); Barnard & Barnard (1983); Williams (1980).

Specific information

Bogidiellidae: *Bogidomma* - Bradbury & Williams (1996).

Ceinae: *Austrochiltonia* (formerly *Afrochiltonia*) - Williams (1962), Zeidler (1988); *Austrochiltonia dalhousienis* - Zeidler (1997); *Phreatochiltonia* - Zeidler (1991).

Corophiidae: Bradbury & Williams (1999a).

Eusiridae: Bradbury & Williams (1999a).

Melitidae: *Nedsia* - Bradbury & Williams (1996), Barnard & Williams (1995); *Brachina*, - Barnard & Williams (1995); *Norcapensis* - Bradbury & Williams (1997).

Paracalliopiidae: *Paracalliope* - Knott (1975); *Pseudomoera* - Barnard & Barnard (1983), Sayce (1901, 1902a).

Paramelitidae: Bradbury & Williams (1999a); Williams & Barnard (1988); *Totgammarus eximius* - Bradbury & Williams (1995); *Austrogammarus telsosetosus*, *Toulrabia*, *Uroctena*, *Chillagoe*, - Barnard & Williams (1995); *Pilbarus* - Bradbury & Williams (1997).

Perthiidae: Bradbury & Williams (1999a); Williams & Barnard (1988).

Neoniphargidae: Bradbury & Williams (1999a); Williams & Barnard (1988); *Neocrypta*,

Wombeyanus, *Jasptorus*, *Neoniphargus*, *Wesniphargus* - Bradbury & Williams (1997).
Talitridae: Mostly terrestrial - Bradbury & Williams (1999a).

Superorder Eucarida

Order Decapoda

Key to families: Horwitz (1995).
Regional keys: NSW, Merrick (1993).
Additional information: Williams (1980).

Specific information

Atyidae: Specific key – Choy & Horwitz (1995); *Atya*, *Caridinides* - Riek (1953b); *Caridina*, Riek (1953b), Short (1993b); *Caridina mccullochi* - larval stages, Benzie (1982); *Paratya* - Williams & Smith (1979); *Parisia* - Williams (1964); *Pycnisia* – Bruce (1992); *Stygiocaris* - Holthuis (1960).

Grapidae (Shore crabs): Taxonomic information - Horwitz (1995).

Hymenosomatidae: Lucus (1980); *Amarinus lacustris* – Williams (1980).

Palaemonidae: Generic keys - Horwitz (1995), Williams (1980); *Kakaducaris* – Bruce (1993); *Leptopalaemon* – Bruce & Short (1993); *Macrobrachium* - Fincham (1987) which replaces Riek (1951); *Palaemonetes* - Bray (1976).

Parastacidae: Generic/species keys - Horwitz (1995); prior keys - Williams (1980), Riek (1969); *Astacopsis*, *Engaewa*, *Euastacoides*, *Geocharax*, *Tenuibranchiurus* - Riek (1969); *Euastacus* - Riek (1969) is up dated by state keys and these should be used in the appropriate states, Vic (Morgan 1986), Qld (Morgan 1988, 1991; Short & Davie 1993), NSW (Morgan 1997); *Cherax* - Riek (1969), Short (1991, 1993a), Short & Davie (1993), Sokol (1988); *Engaeus* - Horwitz (1990, 1994); *Gramastacus* - Zeidler & Adams (1990), Riek (1972); *Parastacoides* – Sumner (1978).

Sundatelphusidae (Potamonidae): Short (1994); Bishop (1963).

CLASS COLLEMBOLA (Springtails)

Key to families: Greenslade (1991).
Regional keys: SA - Greenslade (1984).
Additional information: Greenslade (1991); Zoological Catalogue- Greenslade (1994).

Specific information

Entomobryidae: Contains species associated with water – refer to Greenslade (1994).

Hypogastruridae: Contains species associated with water – refer to Greenslade (1994).

Isotomidae: Contains species associated with water – refer to Greenslade (1994).

Sminthuridae: Pygicornides, Sminthurides – contain aquatic spp., Greenslade (1994); Katianna - contains species associated with water – refer to Greenslade (1994).

CLASS INSECTA (Insects)

Key to orders: Lawrence *et al* (1991), Williams (1980), Hawking (1995).

Additional information: Insects of Australia – CSIRO (1991).

Entomology glossary: - Torre-Bueno *et al.* (1989) updates Torre-Bueno (1985).

Entomology texts: Romoser & Stoffolano (1998).

New Zealand keys and taxonomic information: Winterbourn & Gregson (1989).

American keys and taxonomic information: - Merritt & Cummins (1996) updates Merritt & Cummins (1984).

Order Ephemeroptera (Mayflies)

Key to families: Dean & Suter (1996).

Regional keys: SA - Suter (1986); SW Aust. - Dean (1987); ARR, NT - Suter (1992); NSW spp. - Harker (1950, 1954, 1957).

Additional information: Peters & Campbell (1991); Suter (1979); Zoological Catalogue - Campbell (1988); American spp. - Edmunds & Waltz (1996); British spp. – Macan (1979).

Specific information

Ameletopsidae: No larval key available - Dean & Suter (1996), Peters & Campbell (1991).

Baetidae: Generic key – Dean & Suter (1996); flowing water spp. - Suter (1997). Generic revision studies have recently been undertaken by Lugo-Ortiz & McCafferty (1988b, c, 1999), Lugo-Ortiz *et al.* (1999), however these works are incomplete and for species level identification Suter (1997) should be used.

Caenidae: Suter (1999a) replaces (Suter 1989); *Irpacaenis* - Suter (1999b); *Tasmanocoenis*, *Wundacaenis* - Suter (1993); *Tasmanocoenis* - Alba-Tercedor & Suter (1990); *Tasmanocoenis tonnoiri*. - Suter (1984).

Coloburiscidae: No larval key is available - Dean & Suter (1996), Peters & Campbell (1991).

Leptophlebiidae: Dean (1999a) replaces Dean (1989); *Kalbaybaria* - Campbell (1993); *Atalomicria* - Campbell & Peters (1993); *Austrophleboides* - Parnrong & Campbell (1997); *Kirrara* - Campbell & Peters (1986); *Loamaggalangta* - Dean *et al.* (1999); *Tillyardophlebia* – Dean (1997a); descriptions of some genera and species - Dean (1987, 1988), Campbell & Suter (1988).

Oniscigastridae: No larval key available - Dean & Suter (1996), Peters & Campbell (1991).

Prosopistomatidae: *Prosopistoma* - Campbell & Hubbard (1998).

Siphlaenigmatidae: This family was erroneously recorded from Australia by Lugo-Ortiz & McCafferty (1998a) and subsequently has been “expunged” from the Australian record by McCafferty (1999).

Siphonuridae: No larval key available - Dean & Suter (1996), Peters & Campbell (1991).

Teloganodidae (formerly Ephemerellidae): Dean & Suter (1996); Riek (1963); McCafferty & Wang (1997); distribution – Chessman & Boulton (1999).

Order Odonata (Dragonflies and damselflies)

Key to families: Hawking & Theischinger (1999).

Regional keys: NSW - Hawking & Theischinger (1999); SE Aust. - Hawking (1986, 1991); Tas - Allbrook (1979); SW Aust. - Watson (1962); NT – adults, Watson & Abbey (1980); NT, “Top End” – larvae, Hawking (1993c).

Additional information: Watson & O’Farrell (1991); Zoological Catalogue - Houston & Watson (1988); Australian adults - Watson *et al.* (1991).

Specific information

ZYGOPTERA

Calopterygidae: Hawking (1995).

Coenagrionidae: Identification – see regional keys.

Chorismagrionidae: Fraser (1956); Hawking & Theischinger (1999).

Diphlebiidae (formerly Amphipterygidae): Adults and larvae - Stewart (1980).

Hemiphlebiidae: Tillyard (1928).

Hypolestidae (formerly Lestoideidae): Fraser (1956); Hawking & Theischinger (1999).

Isostictidae: Identification – see regional keys; Fraser (1956).

Lestidae: Identification – see regional keys.

Libellaginidae (formerly Chlorocyphidae): Hawking (1995).

Megapodagrionidae: Identification – see regional keys.

Protoneuridae: Adults – Watson & Theischinger (1984).

Synlestidae (formerly Chlorolestidae): Theischinger *et al.* (1993).

ANISOPTERA

Aeshnidae: Identification – see regional keys.

Archipetaliidae formerly part of Neopetaliidae): Allbrook (1979).

Austrocorduliidae: Theischinger & Watson (1984); adults - Theischinger & Watson (1978); Hawking & Theischinger (1999).
Austropetaliidae (formerly Neopetaliidae): Hawking & Theischinger (1999).
Cordulephyidae (formerly part of Corduliidae): Hawking & Theischinger (1999).
Corduliidae: Identification – see regional keys; Hawking & Theischinger (1999).
Gomphomacromiidae: Larvae - Theischinger & Watson (1984); adults - Theischinger & Watson (1978).
Gomphidae: Theischinger (2000a, 1998).
Lindeniidae: Theischinger (2000a, 1998).
Petaluridae: Andress (1998), Hawking & Theischinger (1999); Watson (1962).
Pseudocorduliidae (formerly part of Corduliidae: Theischinger & Watson (1984).
Synthemistidae: Synthemis – WA species, Watson (1967).
Telephlebiidae: Austroaeschna, Notoaeschna, Spinaeschna - Theischinger (1982, 1993a);
Austrophlebia – Theischinger (1996); Antipodophlebia – Watson & Theischinger (1980).
Libellulidae: Orthetrum – Watson & Arthington (1978).

Order Plecoptera (Stoneflies)

Key to families: Theischinger (1991a).
Regional keys: Tas - Hynes (1989); Vic - Hynes (1978); NSW - Yule (1997); SA - Suter & Bishop (1990); WA - Hynes & Bunn (1984).
Additional information: Adults - Theischinger & Cardale (1987), Theischinger (1993b); Zoological Catalogue - Michaelis & Yule (1988).

Specific information

Austroperlidae: Hynes (1978, 1989); Theischinger (1991a).
Eustheniidae: Adults - Zwick (1979a); *Stenoperla* - adults and some larvae Theischinger (1983a).
Gripopterygidae: Adults - Hynes (1974), Theischinger (1980, 1981, 1982b, 1984a,); *Dinotperla* – Yule (1984); *Illiesoperla* - adults and some larvae, Theischinger (1984b); *Leptoperla* – Tsyrlin (1999); *Riekoperla* - adults and some larvae, Theischinger (1985).
Notonemouridae: *Austrocercella* – adults, Theischinger (1984c).

Order Hemiptera (Bugs)

Keys to families: Williams (1980); Carver, *et al.* (1991).
Additional information: Lansbury (1981); Carver *et al.* (1991).
American taxonomic information: Polhemus (1996).

Specific information

Belostomatidae: *Diplonychus* - Lauck & Menke (1961); *Lethocerus* - Menke (1960), Lauck & Menke (1961).
Corixidae: Generic key - Williams (1980); *Agraptocorixa* - Knowles (1974), Lansbury (1984); *Diaprepocoris* - Knowles (1974); *Cymatia* - Lansbury (1983); *Sigara* - Lansbury (1970, 1975); *Micronecta* - Chen (1965), also Wroblewski (1970, 1972).
Gelastocoridae: Todd (1960).
Gerridae: Key to subfamilies - Andersen & Weir (1998), Hungerford & Matsuda (1960); Trepobatinae, Rhagadotarsinae - Andersen & Weir (1998); Gerrine - Andersen & Weir (1997), Andersen 1975; Halobatinae - Andersen & Weir (1994a, 1994b), Polhemus (1982).
Hebridae: Lansbury (1990); Andersen (1981).
Hydrometridae: Andersen (1977).
Leptopodidae: No keys are available - see Williams (1980), Carver *et al.* (1991).
Mesoveliidae: No keys are available - see Williams (1980), Carver *et al.* (1991).

Naucoridae: Lansbury (1985) updates Polhemus (1984).

Nepidae: Key to genera and some species - Williams (1980); generic key - Lansbury (1974); *Austronepea* - Menke and Stange (1964), Lansbury (1984); *Cercotmetus* - Lansbury (1975); *Goondnomdanepa* - Lansbury (1974, 1978); *Ranatra* - Lansbury (1972).

Notonectidae: Generic key – Lansbury (1984), updates Williams (1980); *Anisops* - Lansbury (1969, 1975), additional references Brooks (1951), Lansbury (1964a); *Enithares* - Lansbury (1968); *Paranisops* - Lansbury (1964b); *Anisops*, *Enithares* - SE Aust., Sweeney (1965).

Ochteridae: *Ochterus* - Kormilev (1971).

Pleidae: No keys are available - see Carver *et al.* (1991).

Saldidae: Rimes (1951).

Veliidae: *Microvelia* - Malipatil (1980), *Microvelia childi* (Andersen 1969).

Order Megaloptera (Alderflies, dobsonflies)

Key to families/genera: Theischinger (1999, 2000b).

Additional information: Zoological Catalogue - Theischinger & Houston (1988); Theischinger (1991b); Williams (1980); adult information – Theischinger (1983b).

Specific information

Corydalidae: Theischinger (1999, 2000b).

Sialidae: Theischinger (1999, 2000b).

Order Neuroptera (Lace-wings)

Key to families: New (1991), Williams (1980).

Additional information: New (1991).

Specific information

Neurorthidae: New (1991).

Osmylidae: New (1991).

Sisyridae: New (1991).

Order Coleoptera (Beetles)

Key to families: Lawrence (1992); Williams (1980).

Regional keys: SA - Matthews (1980, 1982).

Additional information: Lawrence & Britton (1991); Williams (1980).

American taxonomic information: – White & Brigham (1996).

Specific information

Brentidae: No keys are available – see Lawrence (1992), Lawrence & Britton (1991).

Carabidae: No keys are available – Lawrence (1992), Lawrence & Britton (1991).

Chrysomelidae: Keys to subfamilies - adults and larvae, Lawrence & Britton (1991); Key to some American larvae - Bayer & Brockmann (1975).

Curculionidae: No keys are available – Lawrence (1992), Lawrence & Britton (1991).

Dytiscidae: Generic keys to adults and larvae - Watts (1998a) updates Watts (1963, 1978) adults and Watts (1963) larvae; *Antiporus* - Watts (1997c); *Sekaliporus* - Watts (1997a); *Boongurrus rivulus* - Larson (1994); *Carabhydrus andreas* - Zwick (1981b); *Kintingka*, *Nirridessus*, *Tjirtudessus* – Watts & Humphries (1999); *Necterosoma susanna* - Zwick (1979b); *Cybister*, *Homoeodytes*, *Hyderodes* - Watts (1964).

Elmidae: Glaister (1999) updates Glaister (1992), except the genus *Austrolimnius*; Adults - generic

level, Carter & Zeck (1929); *Austrolimnius* - Hinton (1965, 1968); NT, SAR - Glaister (1991).

Gyrinidae: Adults - Ochs (1949, 1956); key to subgenera - Lawrence (1992); no available specific larval keys - Williams (1980), Lawrence (1992).

Halipilidae: Adults - Watts (1988a); no available larval keys - see Williams (1980), Lawrence (1992).

Heteroceridae: No keys are available – see Lawrence (1992), Lawrence & Britton (1991).

Hydraenidae: *Hydraena* – adults, Zwick (1977a); no available larval keys - see Lawrence & Britton (1991).

Hydrochidae: *Hydrochus* - Watts (1999).

Hydrophilidae: Key to genera – adults, Watts (1998a); *Agraphydrus*, *Chasmogenus*, *Helochares* – Watts (1995); *Amphiops*, *Allocotocerus*, *Regimbartia* – Watts (1998b); *Berosus* - Watts (1987, 1997b); *Enochrus* Watts (1998c); *Hydrobiomorpha* - Watts (1990); *Hydrophilus* - Watts (1988b); *Laccobius*, *Nothydrus* - Gentili (1980); *Paracymus* – Wooldridge (1976); *Sternolophus* - Watts (1989); *Helochares tristis*, *H. nitescens*, *Enochrus maculiceps* - larvae, Anderson (1976).

Hygrobidae: Britton (1981).

Limnichidae: No keys are available – see Lawrence (1992), Lawrence & Britton (1991).

Microsporidae (Sphaeriidae): Oke (1954); *Sphaerius ovenensis*. - Britton (1966); Lawrence & Britton (1991).

Noteridae: Generic identification - Beutel & Roughley (1987).

Psephenidae: Davis (1998), updates Davis (1986).

Ptilodactylidae: No keys are available – see Lawrence (1992), Lawrence & Britton (1991).

Scirtidae (Helodidae): No keys are available – see Lawrence (1992), Lawrence & Britton (1991); *Pseudomicrocara* – Armstrong (1953); *Prionocyphon niger* – Kitching & Allsopp (1987).

Staphylinidae No keys are available – see Lawrence (1992), Lawrence & Britton (1991).

Order Mecoptera (Scorpion-flies, hanging-flies)

Key to families: Byers (1991).

Additional information: Williams (1980), Hawking & Smith (1997).

Specific information

Nannochoristidae: Byers (1991); key to adults - Riek (1954); larva and pupa of *Choristella philpotti* - NZ sp., Pilgrim (1972).

Order Diptera (Two-winged flies)

Key to families: Cranston (1995).

Additional information: Colless & McAlpine (1991), Williams (1980).

Specific information

Athericidae: No larval keys are available - see Cranston (1995); *Dasyomma tonnoiri* - larva and pupa, Metzeling (1988); Courtney *et al.* (1996).

Blephariceridae: Adults, pupae and larvae - Zwick (1977b); *Edwardsina* - Zwick (1981a); Apistomyiini - Zwick (1998).

Ceratopogonidae: Keys to subfamilies - Elson-Harris (1990); Ceratopogoninae, Heteromyiini - Elson-Harris & Kettle (1986); Sphaeromyiini - Elson-Harris (1987); Ceratopogonini, *Alluaudomyia* - Elson-Harris & Kettle (1985b); Ceratopogonini, *Paradasyhelea* - Elson-Harris & Kettle (1985a), Elson-Harris & Murray (1992); *Culicoides* - Elson-Harris & Murray (1992), Kettle & Elson (1975); additional information - Colless & McAlpine (1991).

Chironomidae: Cranston (1997a) replaces Cranston (1990, 1991, 1994), Cranston & Hillman (1991); Australian adults - Freeman (1961); Holarctic taxa – Cranston & Reiss (1983); American taxa - Simpson & Bode (1980), Coffman & Ferrington (1996).

Tanypodinae: Cranston (1997a); larval keys - Martin (1974), Roback (1982a, b); Holarctic

taxa - Fittkau & Roback (1983).

Chironominae: Cranston (1997a); *Chironomini* - Martin (1975); *Dicrotendipes* – Cranston (1996); *Anuncotendipes*, *Nandeva* – Cranston (1999); *Imparipecten pictipes*. - Cranston & Hardwick (1996); *Neozavrelia* – Cranston (1998); *Paratanytarsus grimmii* - Langton *et al.* (1988); *Rheotanytarsus* - Cranston (1997b).

Aphroteniinae: Cranston & Edward (1992).

Orthoclaadiinae: Cranston (1997a); *Symbiocladius aurifodinae* - Hynes (1976); Holarctic taxa - Cranston *et al.* (1983); British Orthoclaadiinae - Cranston (1982).

Diamesinae: Holarctic taxa - Oliver (1983).

Culicidae: Adult and larval keys - SE Aust., Russell (1993), Vic, Dobrotworsky (1965).

Dixidae: Cranston (1995), Colless & McAlpine (1991).

Dolichopodidae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), American taxonomic information - Courtney *et al.* (1996).

Empididae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), American taxonomic information - Courtney *et al.* (1996).

Ephydriidae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), American taxonomic information - Courtney *et al.* (1996).

Muscidae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), American taxonomic information - Courtney *et al.* (1996).

Psychodidae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), American taxonomic information - Courtney *et al.* (1996); adults - Duckhouse (1966, 1978)

Sciomyzidae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), American taxonomic information - Courtney *et al.* (1996).

Simuliidae: Mackerras & Mackerras (1949); *Simulium*;- Colbo (1976); of *Cnephia*, *Austrosimulium* - Davies & Gyorkos (1988); *Austrosimulium crassipes*, *Simulium melatum* - Wharton (1949); American information – Peterson (1996).

Stratiomyidae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), Courtney *et al.* (1996); Katoomba area - Hardy (1959).

Syrphidae: No larval keys are available - see Cranston (1995), Colless & McAlpine (1991), Courtney *et al.* (1996).

Tabanidae: Cranston (1995), Colless & McAlpine (1991); Tabanini – larvae and adults, Mackerras (1971); general review - Mackerras (1954); Chrysopinae - Mackerras (1961).

Tanyderidae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), Courtney *et al.* (1996).

Thaumaleidae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), Courtney *et al.* (1996); adults - Theischinger (1986, 1988).

Tipulidae: No keys to the larvae - see Cranston (1995), Colless & McAlpine (1991), Byers (1996).

Order Trichoptera (Caddisflies)

Key to families: Larvae – Dean *et al.* (1995), updates Dean & Cartwright (1991a), Cartwright & Dean (1982); adults - Neboiss (1986, 1992).

Regional keys: SW Aust. – larvae, Dean & Bunn (1989) and adults, Neboiss (1982); ARR, NT - larvae and adults, Wells (1991); Qld Wet Tropics – larvae, Walker *et al.* (1993).

Additional information: Neboiss (1991); Zoological Catalogue - Neboiss (1988); New Zealand larvae – Cowley (1978).

Specific information

Antipodoeciidae: Dean (2000); *Antipodoecia turneri* - Dean & Cartwright (1991b).

Atriplectididae: Dean (2000); *Atriplectides* – larva, Neboiss (1978, 1999).

Calamoceratidae: St Clair (1997); *Anisocentropus* – adults, Neboiss (1980).

Calocidae: Jackson (1998) updates Jackson (1991), Neboiss (1979, 1984).

Chathamidae: Marine intertidal - Neboiss (1991), Dean & Cartwright (1991b).

- Conoesucidae:** Jackson (1998) updates Jackson (1991).
- Dipseudopsidae:** Cartwright (1998). Wells & Cartwright (1993) transferred *Hyalopsyche disjuncta* from **Hyalopsychidae**, which is now suppressed.
- Ecnomidae:** Cartwright (1997) updates Cartwright (1991a); *Ecnomus* – adults, Cartwright (1990a).
- Glossosomatidae:** Cartwright (1998).
- Helicophidae:** Jackson (1998); *Alloecella grisea* - Drecktrah (1984).
- Helicopsychidae:** St Clair (1997).
- Hydrobiosidae:** Dean (1997b) updates Dean (1991a)
- Hydropsychidae:** Dean (1999b) updates Dean (1991b); *Baliomorpha pulchripenne* - Dean (1984).
- Hydroptilidae:** Wells (1997) updates Wells (1985); Keys to the adults: *Hydroptila* - Wells (1978); *Xuthotrichia*, *Hellyethira* - Wells (1979a); *Orthotrichia* - Wells (1979b, 1992); *Orphninothrichia*, *Maydenoptila* - Wells (1980); *Oxyethira*, *Gnathotrichia*, *Stenoxyethira* - Wells (1981); Stactobiini - Wells (1990).
- Kokiriidae:** St Clair (2000b)
- Leptoceridae:** St Clair (2000a) updates St Clair (1993, 1994); *Notalina* - St Clair (1991); *Triplectides* – adults, Morse & Neboiss (1982); *Lectrides varians*, *Leptorussa darlingtoni* - Jackson (1985); *Russobex cuneatus* - St Clair (1988).
- Limnephilidae:** Dean (2000).
- Odontoceridae:** St Clair (2000b); *Barynema costatum* - Cartwright & Dean (1987); *Marilia fusca* - Drecktrah (1990).
- Oeconesidae:** St Clair (2000b).
- Philopotamidae:** Cartwright (1997) updates Cartwright (1991a); *Chimarra* - Vic, Cartwright (1990b).
- Philorheithridae:** St Clair (1997).
- Plectrotarsidae:** Dean (2000); *Plectrotarsus gravenhorsti* – Neboiss (1987).
- Polycentropodidae:** Cartwright (1998), updates Cartwright (1991a); *Neureclipsis napaea* - Cartwright (1991b).
- Psychomyiidae:** Cartwright (1998); *Tinodes radona* - Wells (1995), adult information - Neboiss (1990).
- Stenopsychidae:** larvae unknown– see Dean *et al.* (1995) who believe that the larva will probably key to Polycentropodidae Genus G; Neboiss (1988).
- Tasimiidae:** Cartwright (1997) updates Dean & Cartwright (1991b); *Tasimia natasia* - Riek (1968).

Order Lepidoptera (Moths)

Key to families: Nielsen & Common (1991).

Additional information: Shaffer *et al.* (1996), Lange (1996).

Specific information

Pyralidae: Numphulinae – Australian larval key in preparation to 35 voucher spp.; contact John Hawking (MDFRC).

Order Hymenoptera (Wasps)

Key to families: Williams (1980).

Additional information: Insects of Australia – Naumann (1991).

REFERENCES

- Alba-Tercedor, J. & Suter, P.J. (1990). A new species of Caenidae from Australia: *Tasmanocoenis arcuata* sp.n. (Insecta: Ephemeroptera). *Aquatic Insects* **12**: 85-94.
- Allaby, M. (1999). Oxford Dictionary of Zoology. 2nd edn. Oxford University Press. Oxford.
- Allbrook, P. (1979). *Tasmanian Odonata*. Fauna of Tasmania Handbook No. 1. University of Tasmania: Hobart.
- Andersen, N.M. (1969). A new *Microvelia* from Australia with a check-list of Australian species (Hemiptera: Veliidae). *Entomologiske Meddelelser* **37**: 253-261.
- Andersen, N.M. (1975). The *Limnogonus* and *Neogerris* of the old world, with character analysis and a reclassification of the Gerrinae (Hemiptera: Gerridae). *Entomologica Scandinavica, Supplementum* **7**. pp. 1-95.
- Andersen, N.M. (1977). A new and primitive genus and species of Hydrometridae (Hemiptera: Gerromorpha) with a cladistic analysis of relationships within the family. *Ent. Scand.* **8**: 301-316.
- Andersen, N.M. (1981). Semiaquatic bugs: phylogeny and classification of the Hebridae (Heteroptera: Gerromorpha) with revisions of *Timasius*, *Neotimasius* and *Hyrcaus*. *Systematic Entomology* **6**: 377-412.
- Andersen, N.M. & Weir, T.A. (1994a). *Austrobates rivularis*, gen. et sp. nov., a freshwater relative of *Halobates* Eschscholtz (Hemiptera: Gerridae), with a new perspective on the evolution of sea skaters. *Invertebr. Taxon.* **8**: 1-15.
- Andersen, N.M. & Weir, T.A. (1994b). The Sea Skaters, Genus *Halobates* Eschscholtz (Hemiptera: Gerridae), of Australia: Taxonomy, Phylogeny and Zoogeography. *Invertebr. Taxon.* **8**: 861-909.
- Andersen, N.M. & Weir, T.A. (1997). The gerrine water striders of Australia (Hemiptera: Gerridae): taxonomy, distribution and ecology. *Invertebr. Taxon.* **11**: 203-299.
- Anderson, D.T. (1999) Invertebrate Zoology. Oxford University Press: Oxford.
- Andersen, N.M. & Weir, T.A. (1998). Australian water striders of the subfamilies Trepobatinae and Rhagadotarsinae (Hemiptera: Gerridae). *Invertebr. Taxon.* **12**: 509-544.
- Anderson, J.M.E. (1976). Aquatic Hydrophilidae (Coleoptera). The biology of some Australian species with descriptions of immature stages reared in the laboratory. *J. Aust. ent. Soc.* **15**: 219-228
- Andress, R. (1998). Description of the larva of *Petalura ingentissima* Tillyard, 1907 (Anisoptera: Petaluridae). *Odonatologica* **27**:353-359.
- Armstrong, J.W.T. (1953). On Australian Helodidae (Coleoptera). I. Descriptions of new genera and species. *Proc. Linn. Soc.* **78**:19-32.
- Ball, I.R. (1974a). A new genus of freshwater triclad from Tasmania, with reviews of the related genera *Cura* and *Neppia* (Turbellaria: Tricladida). *Life Sci. Contr., R. Ont. Mus.* **99**: 1-48.
- Ball, I.R. (1974b). A new genus and species of freshwater planarian from Australia (Platyhelminthes: Turbellaria). *J. Zool. Lond.* **174**: 149-158.
- Ball, I.R. (1976). Observations on *Bdellasimilis barwicki*, a marine triclad from Australian freshwaters (Platyhelminthes: Turbellaria). *Aust. J. Zool.* **19**: 95-101.
- Ball, I.R. (1977a). A new and primitive retrobursal planarian from Australian freshwaters (Platyhelminthes: Turbellaria: Tricladida). *Bijdragen tot de Dierkunde* **47**: 149-155.
- Ball, I.R. (1977b). A monograph of the genus *Spathula* (Platyhelminthes: Turbellaria: Tricladida). *Aust. J. Zool. Suppl. Ser. No.* **47**, 1-43.
- Ball, I.R. & Tran Thi Vinh-Hao. (1979). New freshwater triclads from Tasmania (Platyhelminthes: Turbellaria). *Bijdragen tot de Dierkunde* **49**: 153-161.
- Barnard, J.L. & Barnard, C.M. (1983). Freshwater Amphipoda of the World. I. Evolutionary Patterns. II. Handbook and bibliography. Hayfield Associates: Mt. Vernon, Virginia. pp. 1-830.
- Barnard, J.L. & Williams, W.D. (1995). The Taxonomy of Amphipoda (Crustacea) from Australian freshwaters. Part 2. *Rec. Aust. Mus.* **47**: 161-201.
- Bayer, L.J. & Brockmann, H.J. (1975). Curculionidae and Chrysomelidae found in aquatic habitats

- in Wisconsin. *The Great Lakes Entomologist* **8**: 219-226.
- Bayly, I.A.E. (1961). A revision of the inland water genus *Calamoecia* (Copepoda: Calanoida). *Aust. J. Mar. Freshwat. Res.* **12**: 54-91.
- Bayly, I.A.E. (1962). Additions to the inland water genus *Calamoecia* (Copepoda: Calanoida). *Aust. J. Mar. Freshwat. Res.* **13**: 252-264.
- Bayly, I.A.E. (1963). A revision of the coastal water genus *Gladioferens* (Copepoda: Calanoida). *Aust. J. Mar. Freshwat. Res.* **14**: 194-217.
- Bayly, I.A.E. (1964a). A revision of the Australian species of the freshwater genera *Boeckella* and *Hemiboeckella* (Copepoda: Calanoida). *Aust. J. Mar. Freshwat. Res.* **15**: 180-238.
- Bayly, I.A.E. (1964b). A new species *Isias* (Copepoda: Calanoida) from the Brisbane River estuary, and a comparison of the Australian centropagid genera. *Aust. J. Mar. Freshwat. Res.* **15**: 239-247.
- Bayly, I.A.E. (1966). The Australian species of *Diaptomus* (Copepoda: Calanoida) and their distribution. *Aust. J. Mar. Freshwat. Res.* **17**: 123-134.
- Bayly, I.A.E. (1967). A new species of *Boeckella* (Copepoda: Calanoida) and additional comments on some other species of the genus. *Pap. Proc. R. Soc. Tasm.* **101**: 97-101..
- Bayly, I.A.E. (1974). A new species of *Hemiboeckella* (freshwater Copepoda: Calanoida) from Western Australia. *Rec. West. Mus.* **3**: 87-92.
- Bayly, I.A.E. (1979). Further contributions to a knowledge of the centropagid genera *Boeckella*, *Hemiboeckella* and *Calamoecia* (Athalassic calanoid copepods). *Aust. J. Mar. Freshwat. Res.* **30**: 103-127.
- Bayly, I.A.E. (1984). A new species of *Calamoecia* (Copepoda: Calanoida) from South Australia, and comments on three congeners. *Trans. R. Soc. S. Aust.* **108**: 147-154.
- Bayly, I.A.E. (1985). A new species of *Boeckella* (Copepoda: Calanoida) from Western Australia, and comments on two other congeners. *Rec. West. Mus.* **12**: 79-84.
- Bayly, I.A.E. (1992). *The non-marine Centropagidae : (Copepoda: Calanoida) of the world*. III. Guides to the identification of the microinvertebrates of the continental waters of the world 2. SPB Academic Publishing: The Hague.
- Bayly, I.A.E., Bishop, J.A. & Hiscock, I.D. (eds.) (1967). *An illustrated key to the genera of the Crustacea of Australian inland waters*. Australian Society for Limnology: Melbourne.
- Bentham Jutting, W.S.S. van (1956). Systematic studies on the non-marine Mollusca of the Indo-Australian Archipelago. V. Critical revision of the Javanese freshwater gastropods. *Treubia* **23**: 259-477.
- Benzie, J.A.H. (1982). The complete larval development of *Caridina mccullochi* Roux, 1926 (Decapoda: Atyidae) reared in the laboratory. *J. Crustacean Biol.* **2**: 493-513.
- Benzie, J.A.H. (1988). The systematics of Australian *Daphnia* (Cladocera: Daphniidae): species descriptions and keys. *Hydrobiologia* **166**: 95-161.
- Beutel, R.G. & Roughley, R.E. (1987). On the systematic position of the genus *Notomicrus* Sharp (Hydradephaga, Coleoptera). *Can. J. Zool.* **65**: 1898-1905.
- Bird, A.F. (1995). Studies on *Eutobrilus heptapapillatus* (Nematoda: Torbrilidae) the predominant nematode inhabiting the bottoms of Lake Albert and Alexandrina, South Australia. *Trans. R. Soc. S. Aust.* **119**: 133-141.
- Bishop, J.A. (1963). The Australian freshwater crabs of the family Potamonidae (Crustacea: Decapoda). *Aust. J. Mar. Freshwat. Res.* **14**: 218-238.
- Blake, J.A. & Woodwick, K.H. (1976). A new species of *Boccardia* (Polychaeta: Spionidae) from two freshwater lakes in south-eastern Australia. *Rec. Aust. Mus.* **30**: 123-128.
- Boray, J.C. & McMichael, D.F. (1961). The identity of the Australian lymnaeid snail host of *Fasicola hepatica* L. and its response to environment. *Aust. J. mar. Freshwat. Res.*, **12**: 150-162.
- Bradbury, J.H. & Williams, W.D. (1995). A new genus and species of crangonyctoid amphipod (Crustacea) from Western Australian freshwaters. *Trans. R. Soc. S. Aust.* **119**: 67-74.
- Bradbury, J.H. & Williams, W.D. (1996). Freshwater amphipods from Barrow Island, Western Australia. *Rec. Aust. Mus.* **48**: 33-74.
- Bradbury, J.H. & Williams, W.D. (1997). The amphipod (Crustacea) stygofauna of Australia: description of new taxa (Melitidae, Neoniphargidae, Paramelitidae), and a synopsis of known

- species. *Rec. Aust. Mus.* **49**: 249-341.
- Bradbury, J.H. & Williams, W.D. (1999a). Key to and checklist of inland aquatic amphipods of Australia. *Technical Reports of the Australian Museum* No. 14, 1-21.
- Bradbury, J.H. & Williams, W.D. (1999b). Described Australian Amphipoda. Taxonomic Workshop, Murray Darling Freshwater Research Centre 2-4th February 1999.
- Bray, D.M. (1976). A review of two Western Australian shrimps of the genus *Palaemonetes*, *P. australis* Dakin 1915 and *P. atrinubes* sp. nov. (Decapoda: Palaemonidae). *Rec. West. Aust. Mus.* **4**: 65-84.
- Brinkhurst, R.O. (1971). The aquatic Oligochaeta known from Australia, New Zealand, Tasmania, and from the adjacent islands. *Univ. Qld pap. Dept. Zool.* **3**: 99-128.
- Brinkhurst, R.O. (1984). Two new species of Tubificidae (Oligochaeta) from Northern Territory of Australia. *Proc. Biol. Soc. Wash.* **97**: 142-147.
- Brinkhurst, R.O. & Jamieson, B.G.M. (1971). *Aquatic Oligochaeta of the World*. Oliver & Boyd: Edinburgh.
- Brinkhurst, R.O. & Fulton, W. (1980). On *Haplotaxis ornamentus* sp. nov. (Oligochaeta: Haplotaxidae) from Tasmania. *Rec. Queen Vic. Mus.* **72**: 1-8.
- Britton, E.B. (1966). On larvae of *Sphaerius* and the systematic position of the Sphaeriidae (Coleoptera). *Aust. J. Zool.* **14**: 1193-1198.
- Britton, E.B. (1981). The Australian Hygrobiidae (Coleoptera). *J. Aust. ent. Soc.* **20**: 83-86.
- Brooks, G.T. (1951). A revision of the genus *Anisops* (Notonectidae: Hemiptera). *Univ. Kansas Sci. Bull.* **34**: 301-519.
- Bruce, A.J. (1992). *Pycnisia raptor*, a new genus and species of predatory troglobitic shrimp (Crustacea: Decapoda: Atyidae) from northern Australia. *Invertebr. Taxon.* **6**: 553-566.
- Bruce, A.J. (1993). *Kakaducaris glabra* gen. et sp. nov., a new freshwater shrimp from the Kakadu National Park, Northern Territory, Australia, Crustacea, Decapoda, Palaemonidae with the description of a new subfamily Kakaducaridinae. *Hydrobiologia* **268**: 27-44.
- Bruce, A.J. & Short, J.W. (1993). *Leptopalaemon gagadjui* gen. nov., sp. nov., a new freshwater palaemonid shrimp from Arnhem Land, and a re-evaluation of *Palaemonetes holthuisi* Strenth, with the designation of a new genus, *Calathaemon*. *Hydrobiologia* **257**: 73-94.
- Bruce, N.L. (1986). Cirolanidae (Crustacea: Isopoda) of Australia. *Rec. Aust. Mus. Suppl.* **6**: 1-239.
- Byers, G.W. (1996). Tipulidae. In: *An Introduction to the Aquatic Insects of North America*. (eds R.W. Merritt & K.W. Cummins) 3rd edn pp. 549-571. Kendal/Hunt: Dubuque, Iowa.
- Byers, G.W. (1991). Mecoptera. In: *The Insects of Australia*, (eds CSIRO) 2nd edn pp. 696-704. Melbourne University Press: Carlton.
- Campbell, I.C. (1988). Ephemeroptera. In: *Zoological Catalogue of Australia*, (ed. W.W.K Houston) Vol. 6 pp.1-22. Australian Government Publishing Service: Canberra.
- Campbell, I.C. (1993). A new genus and species of leptophlebiid mayfly (Ephemeroptera: Leptophlebiidae: Atalophlebiinae) from tropical Australia. *Aquatic Insects*, **15**: 159-167.
- Campbell, I.C. & Hubbard, P.J. (1998). A new species of *Prosopistoma* (Ephemeroptera: Prosopistomatidae) from Australia. *Aquatic Insects* **20**: 141-148.
- Campbell, I.C. & Peters, W.L. (1986). Redefinition of *Kirrara* Harker with a redescription of *Kirrara procera* Harker (Ephemeroptera : Leptophlebiidae: Atalophlebiinae). *Aquatic Insects* **8**: 71-81.
- Campbell, I. C. & Peters, W.L. (1993). A revision of the Australian Ephemeroptera genus *Atalomicria* Harker (Leptophlebiidae: Atalophlebiinae). *Aquatic Insects* **15**: 89-107.
- Campbell, I.C. & Suter, P.J. (1988). Three new genera, a new subgenus and a new species of Leptophlebiidae (Ephemeroptera) from Australia. *J. Aust. ent. Soc.* **27**: 259-273.
- Carter, H.J. & Zeck, E.H. (1929). A monograph of the Australian Dryopidae, Order Coleoptera. *Aust. Zool.* **6**: 50-72.
- Cartwright, D.I. (1990a). The Australian species of *Ecnomus* McLachlan (Trichoptera: Ecnomidae). *Mem. Mus. Vic.* **51**: 1-48.
- Cartwright, D.I. (1990b). Taxonomy of the larvae, pupae and females of the Victorian species of *Chimarra* Stephens (Trichoptera: Philopotamidae) with notes on biology and distribution. *Proc. R. Soc. Vict.* **102**: 15-22.
- Cartwright, D.I. (1991a). Key to mature larvae of the families Ecnomidae, Philopotamidae and

- Polycentropodidae of Australia. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 25-28th February 1991.
- Cartwright, D.I. (1991b). Descriptions of immature stages of *Neureclipsis napaea* Neboiss from Australia (Trichoptera: Polycentropodidae), with notes on biology. *Aust. J. Mar. Freshwat. Res.* **102**: 15-22.
- Cartwright, D.I. (1997). *Preliminary guide to the identification of late instar larvae of Australian Ecnomidae, Philopotamidae and Tasimiidae (Insecta: Trichoptera)*. Identification Guide No. 10. Cooperative Research Centre for Freshwater Ecology: Albury.
- Cartwright, D.I. (1998). *Preliminary guide to the identification of late instar larvae of Australian Polycentropodidae, Glossosomatidae, Dipseudopsidae and Psychomyiidae (Insecta: Trichoptera)*. Identification Guide No. 15. Cooperative Research Centre for Freshwater Ecology: Albury.
- Cartwright, D.I. & Dean, J.C. (1982). A key to the Victorian genera of free-living and retreat-making caddis-fly larvae (Insecta: Trichoptera). *Mem. natn. Mus. Vict.* **43**: 1-13.
- Cartwright, D.I. & Dean, J.C. (1987). Descriptions of the immature stages of *Barynema costatum* Banks from Australia (Trichoptera: Odontoceridae). *Aquatic Insects* **9**: 27-32.
- Carver, M. Gross, G.F. & Woodward, T.E. (1991). Hemiptera. In: *The Insects of Australia*, (ed. CSIRO) 2nd edn pp. 429-509. Melbourne University Press: Carlton.
- Chapman, M.A. (1966). On *Eucypris mytiloides* (Brady), and three new species of *Eucypris* Vavra (Cypridae: Ostracoda) from Australia. *Hydrobiologica* **27**: 368-378.
- Chen, Ling-Chu (1965) A revision of *Micronecta* of Australia and Melanesia (Heteroptera: Corixidae). *Univ. Kansas Sci. Bull.* **46**: 147-165.
- Chessman, B.C. and Boulton, A.J. (1999). Occurrence of the mayfly family Teloganodidae in northern New South Wales. *Aust. J. Entomol.* **38**: 96-98.
- Chilton, C. (1920). On a new isopodan genus (family Oniscidae) from Lake Corangamite, Victoria. *Proc. Linn. Soc. N.S.W.* **44**: 723-734.
- Choy, S. & Horwitz, P. (1995). Preliminary key to the species of Australian shrimps (Atyidae) found in inland waters. In: *Preliminary key to the species of Decapoda (Crustacea: Malacostraca) found in Australian inland waters*, (ed. P. Horwitz). Identification Guide No. 5. Cooperative Research Centre for Freshwater Ecology: Albury.
- Claxton, S.K. (1996). Sexual dimorphism in Australia *Echiniscus* (Tardigrada: Echiniscidae) with descriptions of three new species. *Zool. J. Linn. Soc.* **116**: 13-33.
- Coffman, W.P. & Ferrington, L.C. (1996). Chironomidae. In: *An introduction to the Aquatic Insects of North America*. (eds R.W. Merritt & K.W. Cummins) 3rd edn pp. 635-754. Kendal/Hunt: Dubuque, Iowa.
- Colbo, M.H. (1976). Four new species of *Simulium* Latreille (Diptera: Simuliidae) from Australia. *J. Aust. ent. Soc.* **15**: 253-269.
- Colless, D.C. & McAlpine, D.K. (1991). Diptera (Flies). In: *The Insects of Australia*, (ed. CSIRO) 2nd edn pp. 717-786. Melbourne University Press: Carlton.
- Cook, D.R. (1974). Water mite genera and subgenera. *Mem. Am. ent. Inst.* **21**: 1-860.
- Cook, D.R. (1986). Water mites from Australia. *Mem. Am. ent. Inst.* **40**: 1-568.
- Corliss, J.O. (1979). *The ciliated Protozoa*. Pergamon Press: Potts Point.
- Courtney, G.W., Teskey, H. J., Merritt, R.W. & Foote, B.A. (1996). Aquatic Diptera, part one, larvae of aquatic Diptera. In: *An introduction to the Aquatic Insects of North America*. (eds R.W. Merritt, & K.W. Cummins) 3rd edn pp. 484-514. Kendal/Hunt: Dubuque, Iowa.
- Cowley, D.R. (1978). Studies on the larvae of New Zealand Trichoptera. *New Zealand J. Zool.* **5**: 639-750.
- Cranston, P.S. (1982) *A key to the larvae of the British Orthoclaadiinae (Chironomidae)*. Scientific Publication No. 45. Freshwater Biological Association: Ambleside.
- Cranston, P.S. (1990). Keys to the Australian Chironomidae. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 19-20th February 1990.
- Cranston, P.S. (1991). *Immature Chironomidae of the Alligator Rivers Region*. Open File Record 82. Supervising Scientist for the Alligator Rivers Region: Sydney.
- Cranston, P.S. (1994). Keys to the Australian Chironomidae. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 16-17th February 1994.

- Cranston, P.S. (1995). Keys to aquatic Diptera families. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, February 1994.
- Cranston, P.S. (1996). Immature stages of two unusual species of *Dicrotendipes* (Diptera: Chironomidae) from Australia. *Aust. J. ento.* **35**: 263-270.
- Cranston, P.S. (1997a). *Identification guide to the Chironomidae of New South Wales*. AWT Identification Guide No. 2. Australian Water Technologies: West Ryde.
- Cranston, P.S. (1997b). Revision of Australian *Rheotanytarsus* Thienemann & Bause (Diptera: Chironomidae), with emphasis on immature stages. *Invert. Taxon.* **11**: 705-734.
- Cranston, P.S. (1998). The Australian species of *Neozavrelia* Goetghebuer (Diptera: Chironomidae: Tanytarsini). *Aust. J. ento.* **37**: 107-112.
- Cranston, P.S. (1999). Two unusual Chironomini (Diptera: Chironomidae) from Australian rainforest streams: On new genus and a neotropical genus new for the region. *Aust. J. ento.* **38**: 291-299.
- Cranston, P.S. & Edward, D.H.D. (1992). A systematic reappraisal of the Australian Aphroteniinae (Diptera: Chironomidae) with dating from vicariance biogeography. *Systematic Entomology* **17**: 41-54.
- Cranston, P.S. & Hardwick, R.A. (1996). The immature stages and phylogeny of *Imparipecten* Freeman, an Australian endemic genus of wood-mining chironomid (Diptera). *Aquatic Insects* **18**: 193-207.
- Cranston, P.S. & Hillman, T.J. (1991). Chironomid pupal exuviae as biological water quality monitors. Report to Australian Water Research Advisory Council.
- Cranston, P.S. & Reiss, F. (1983). The larvae of Chironomidae (Diptera) of the Holarctic region- Keys to subfamilies. pp. 11-16. In: *Chironomidae of the Holarctic Region: Keys and diagnoses, Part 1, larvae*, (ed. T. Wiederholm). *Ent. Scand. Suppl.* **19**
- Cranston, P.S., Oliver, D.R. & Saether, O.A. (1983). The larvae of Orthocladiinae (Diptera: Chironomidae) of the Holarctic region- Keys and diagnoses. pp.149-292. In: *Chironomidae of the Holarctic Region: Keys and diagnoses, Part 1, larvae*, (ed. T. Wiederholm). *Ent. Scand. Suppl.* **19**
- CSIRO (ed.) (1991). *The Insects of Australia. A textbook for students and research workers*. 560 + 600 pp., 2 volumes. Melbourne University Press: Carlton.
- Curds, C.R. (1982). *British and other freshwater ciliated Protozoa*. Part 1. Cambridge University Press: Cambridge.
- Curds, C.R., Gates, M.A. & Roberts, D.M. (1982). *British and other freshwater ciliated Protozoa*. Part 2. Cambridge University Press: Cambridge.
- Daday de Dees, E. (1927). Monographie systematique des Phyllopoetes Conchostraces, Trisieme Partie (fin.). *Ann. Sci. Nat. Zool. Paris* **10**: 1-112.
- Davies, V.T. (1986). *Australian spiders (Araneae) collection, preservation and identification*. Booklet No. 14. Queensland Museum: Brisbane.
- Davies, V.T. & Raven, R.J. (1980). *Megadolomedes* nov. gen. (Araneae: Pisauridae) with a description of the male of the type-species, *Dolomedes australianus* Koch 1865. *Mem. Qd Mus.* **20**:135-141.
- Davies, D.M. & Gyorkos, H. (1988). Two new Australian species of Simuliidae (Diptera). *J. Aust. ent. Soc.* **27**: 105-115.
- Davies, R.W. (1991). Annelida: Leeches, Polychaetes and Acanthobdellids. Ch.13 In: *Classification of North American Freshwater Invertebrates* (eds J.H. Thorp & A.P. Covich) pp. 437-480. Academic Press: New York
- Davis, J.A. (1986). Revision of the Australian Psephenidae (Coleoptera): Systematics, phylogeny and historical biogeography. *Aust. J. Zool., Suppl. Ser. No.* **119**, 1-97.
- Davis, J.A. (1998). *A guide to the identification of larval Psephenidae water pennies (Insecta: Coleoptera)*. Identification Guide No. 17. Cooperative Research Centre for Freshwater Ecology: Albury.
- Davis, J.A. & Christidis, F. (1997). *A guide to wetland invertebrates of southwestern Australia*. Western Australian Museum: Perth.
- Dean, J.C. (1984). Immature stages of *Baliomorpha pulchripenne* (Tillyard) from Australia, with comments on generic placement (Trichoptera: Hydropsychidae). *Proc. R. Soc. Vict.* **96**: 141-

- 145.
- Dean, J.C. (1987). Two new genera of Leptophlebiidae (Insecta: Ephemeroptera) from south-western Australia. *Mem. Mus. Vict.* **48**: 91-100.
- Dean, J.C. (1988). Description of a new genus of leptophlebiid mayfly from Australia (Ephemeroptera: Leptophlebiidae: Atalophlebiinae). *Proc. R. Soc. Vict.* **100**: 39-45.
- Dean, J.C. (1989). A guide to Australian mayflies of the family Leptophlebiidae. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 14-15th February 1989.
- Dean, J.C. (1991a). Taxonomic keys for late instar larvae of the Australian Hydrobiosidae (Trichoptera). Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 25-28th February 1991.
- Dean, J.C. (1991b). Preliminary keys for identification of late instar larvae of Australian Hydropsychidae (Trichoptera). Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 25-28th February 1991.
- Dean, J.C. (1997a). Descriptions of new Leptophlebiidae (Insecta: Ephemeroptera) from Australia. I. *Tillyardophlebia* gen. nov. *Mem. Mus. Vic.* **56**: 83-89.
- Dean, J.C. (1997b). Larvae of the Australian Hydrobiosidae (Insecta: Trichoptera). Identification Guide No. 11. Cooperative Research Centre for Freshwater Ecology: Albury.
- Dean, J.C. (1999a). *Preliminary keys for identification of Australian mayfly nymphs of the family Leptophlebiidae*. Identification Guide No. 20. Cooperative Research Centre for Freshwater Ecology: Albury.
- Dean, J.C. (1999b). *Preliminary keys for identification of Australian Trichoptera larvae of the family Hydropsychidae*. Identification Guide No. 22. Cooperative Research Centre for Freshwater Ecology: Albury.
- Dean, J.C. (2000). *Preliminary keys for identification of Australian caddisfly larvae of the families Antipodoeciidae, Atriplectididae, Limnephilidae and Plectrotarsidae*. Identification Guide No. 31. Cooperative Research Centre for Freshwater Ecology: Albury.
- Dean, J.C. & Bunn, S.E. (1989). Larval descriptions of the Hydrobiosidae, Philopotamidae, Hydropsychidae and some Ecnomidae (Trichoptera) from south-western Australia, with notes on biology. *Aust. J. Mar. Freshwat. Res.* **40**: 631-643.
- Dean, J.C. & Cartwright, D.I. (1991a). Key to families of Australian Trichoptera larvae. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 25-28th February 1991.
- Dean, J.C. & Cartwright, D.I. (1991b). Key to genera of selected families of Australian Trichoptera larvae. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 25-28th February 1991.
- Dean, J.C. & Suter, P.J. (1996). *Mayfly nymphs of Australia: A guide to genera*. Identification Guide No. 7. Cooperative Research Centre for Freshwater Ecology: Albury.
- Dean, J.C., Forteath, G.N.R. & Osborn, A.W. (1999). *Loamaggalanga pedderensis* gen. & sp. nov.: A new mayfly from Tasmania (Ephemeroptera: Leptophlebiidae: Atalophlebiinae). *Aust. J. Entomol.* **38**: 72-76.
- Dean, J.C., St Clair, R.M. & Cartwright, D.I. (1995). A key to late instar larvae of Australian Trichoptera families. In: *Monitoring River Health Initiative Taxonomic Workshop Handbook* (ed. J.H. Hawking) Chapter 6, pp 66-101. Taxonomy Workshop, Murray-Darling Freshwater Research Centre: Albury.
- De Deckker, P. (1974). *Australocypris*, a new ostracod genus from Australia. *Aust. J. Zool.* **22**: 91-104.
- De Dekker, P. (1976). *Trigonocypris*, a new Ostracod genus from Queensland. *Aust. J. Zool.* **24**: 145-157.
- De Deckker, P. (1978). Comparative morphology and review of mytilocypridinid ostracods (Family Cyprididae). *Aust. J. Zool. Suppl. Ser. No.* **58**: 1-62.
- De Deckker, P. (1979a). Ostracods from the mound springs area between Strangways and Curdimurka, South Australia. *Trans. R. Soc. S. Aust.* **103**: 155-168.
- De Deckker, P. (1979b). Comparative morphology and review of Australian Notodromadinae Kaufmann 1900 (Crustacea: Ostracoda). *Senck. biol.* **39** (1978) (5/6): 417-463.
- De Deckker, P. (1980). New records of *Koonunga curor* Sayce, 1908 (Syncarida: Anaspidae). *Trans. R. Soc. S. Aust.* **104**: 21-25.

- De Deckker, P. (1981a). Taxonomy and ecological notes of some ostracods from Australian inland waters. *Trans. R. Soc. S. Aust.* **105**: 91-138.
- De Deckker, P. (1981b). Taxonomic notes on some Australian ostracods with descriptions of new species. *Zool. Scripta.* **10**: 37-55.
- De Dekker, P. (1981c). Ostracoda from Australian inland waters – notes on taxonomy and ecology. *Proc. R. Soc. Vict.* **93**:43-85.
- De Deckker, P. (1995). Notes to help identify ostracods from Australian inland waters and a guide to ostracod dissection. Taxonomy Workshop, Murray Darling Freshwater Research Centre, 8-10 February 1995.
- De Deckker, P. & Geddes, M. C. (1980). Seasonal fauna of ephemeral saline lakes near the Coorong Lagoon, South Australia. *Aust. J. Mar. Freshwat. Res.* **31**: 677-699.
- De Deckker, P. & McKenzie, K.G. (1981). *Bennelongia*, a new cypridid ostracod genus from Australian. *Trans. R. Soc. S. Aust.* **105**: 53-58.
- De Smet, W. H. (1996). The Proalidae (Monogononta) In: *Rotifera*. Volume 9: The guides to the identification of microinvertebrates of the continental waters of the world 9. pp. 1-102. SPB Academic Publishing: The Hague.
- De Smet, W. H. (1997). The Dicranophoridae (Monogononta) In: *Rotifera*. Volume 12: The guides to the identification of microinvertebrates of the continental waters of the world 12. pp. 1-326. SPB Academic Publishing: The Hague.
- Dobrotworsky, N.V. (1965). *The Mosquitoes of Victoria (Diptera: Culicidae)*. Melbourne University Press: Carlton.
- Dodson, S.I. & Frey, D.G. (1991). Cladocera and other Branchiopoda. Ch. 20 In: *Classification of North American Freshwater Invertebrates*. (eds J.H. Thorpe & A.P. Covich) pp. 723-786. Academic Press: New York.
- Drecktrah, H.G. (1984). Description of the immature stages of *Alloecella grisea* Banks (Trichoptera: Helicophidae) and morphological characteristics used to distinguish between larvae of Australian Calocidae, Conoesucidae and Helicophidae. *Proc. 4th Internatn. Symp. Trichoptera*, (ed. J.C. Morse) pp. 115-123. Dr W. Junk Publishers: The Hague.
- Drecktrah, H.G. (1990). Larval and pupal descriptions of *Marilia fusca* (Trichoptera: Odontoceridae). *Ent. News* **101**: 1-8.
- Duckhouse, D.A. (1966). Psychodidae (Diptera: Nematocera) of southern Australia: subfamily Psychodinae. *Trans. R. ent. Soc. Lond.* **118**: 153-220
- Duckhouse, D.A. (1978). Taxonomy, phylogeny and distribution of the genus *Trichomyia* (Diptera: Psychodidae) in Australia and New Guinea. *Syst. Entomology* **3**: 197-243.
- Dumont, H. (1983). *Simocephalus* & *Scapholeberis*. In: Revision of the Australian Cladocera (Crustacea) (eds N.N. Smirnov & B.V. Timms) pp. 97-106. *Rec. Aust. Mus. Suppl.* No. 1, 1-132.
- Edmunds, G.F. & Waltz R.D. (1996). Ephemeroptera. In: *An introduction to the aquatic insects of North America*. (eds R.W. Merritt & K.W. Cummins) 3rd edn. pp. 126-163. Kendal/Hunt: Dubuque, Iowa.
- Ellis, P. & Williams, W.D. (1970). The biology of *Haloniscus searlei* Chilton, an oniscoid isopod living in Australian salt lakes. *Aust. J. Mar. Freshwat. Res.* **21**: 51-69.
- Elson-Harris, M.M. (1987). The immature stages of some Australian Sphaeromiini (Diptera: Ceratopogonidae). *J. Aust. ent. Soc.* **26**: 46-61.
- Elson-Harris, M.M. (1990). Keys to the immature stages of some Australian Ceratopogonidae (Diptera). *J. Aust. ent. Soc.* **29**: 267-275.
- Elson-Harris, M.M. & Kettle, D.S. (1985a). A new species of *Paradasyhelea* Macfie (Diptera: Ceratopogonidae), with descriptions and keys to the immature stages of Australian *Paradasyhelea*. *J. Aust. ent. Soc.* **24**: 233-240.
- Elson-Harris, M.M. & Kettle, D.S. (1985b). The immature stages of some Australian *Alluaudomyia* Kieffer (Diptera: Ceratopogonidae). *J. Aust. ent. Soc.* **24**: 287-299.
- Elson-Harris, M.M. and Kettle, D.S. (1986). The immature stages of some Australian Heteromyiini (Diptera: Ceratopogonidae). *J. Aust. ent. Soc.* **25**: 1-14.
- Elson-Harris, M.M. & Murray, M.D. (1992). Further descriptions of immature stages of Australian Culicoidini (Diptera: Ceratopogonidae). *J. Aust. ent. Soc.* **31**: 271-280.

- Engemann, J.G. & Hegner, R.W. (1981). *Invertebrate Zoology*. Macmillan: New York.
- Fauchald, K. (1977). The polychaete worms Definitions and keys to the orders, families and genera. Natural History Museum of Los Angeles County. Science Series 28: 1-190.
- Ferguson, F.F. & Hayes, W.J. (1941). A synopsis of the genus *Mesostoma* Ehrenberg 1835. *J. Elisha. Mitchell Sci. Soc.* **57**: 1-52.
- Fincham, A.A. (1987). A new species of *Macrobrachium* (Decapoda: Palaemonidae) from the Northern Territory, Australia and a key to Australian species of the genus. *Zoologica Scripta* **16**: 351-354.
- Finlay, B.J., Rogerson, A. & Cowling, J.A. (1988). *Beginner's guide to freshwater Protozoa*. Freshwater Biological Association: Ambleside.
- Fittkau, E.J. & Roback, S.S. (1983). The larvae of Tanypodinae (Diptera: Chironomidae) of the Holarctic region- Keys and diagnoses. pp. 33-112. In: *Chironomidae of the Holarctic Region: Keys and diagnoses, Part 1, larvae* (ed. T. Wiederholm). *Ent. Scand. Suppl.* **19**.
- Foissner, W. (1993). *Colopodea (Ciliophora)*. Protozoenfauna Vol 4/1. Gustav Fischer Verlag: Stuttgart.
- Foissner, W. & Berger, H. (1996). A user-friendly guide to the ciliates (Protozoa, Ciliophora) commonly used by hydrobiologists as bioindicators in rivers, lakes, and waste waters, with notes on their ecology. *Freshwat. Biol.* **35**: 375-482.
- Foissner, W. & O'Donoghue, P.J. (1990). Morphology and infraciliature of some freshwater ciliates (Protozoa: Ciliophora) from Western and South Australia. *Invertebr. Taxon.* **3**: 661-696.
- Foissner, W. & Wölfel, S. (1994). Revision of the genus *Stentor* Oken (Protozoa, Ciliophora) and description of *S. araucanus* nov. spec. from South American lakes. *J. Plankt. Res.* **16**: 255-289.
- Foissner, W., Blatterer, H., Berger, H. & Kohmann, F. (1991). Taxonomische und ökologische revision der Ciliaten des Saprobiensystems. Band I: Cyrtophorida, Oligotrichida, Hypotrichia, Colpodea. *Informationsberichte des Bayer. Landesamtes für Wasserwirtschaft* 1/91: 1-478.
- Foissner, W., Berger, H. & Kohmann, F. (1992). Taxonomische und ökologische revision der Ciliaten des Saprobiensystems. Band II: Peritrichia, Heterotrichia, Odontostomatida. *Informationsberichte des Bayer. Landesamtes für Wasserwirtschaft* 5/92: 1-502.
- Forro, L. (1985). A new species of *Moina* from Australia (Crustacea: Cladocera). *Acta. Zool. Hung.* **31**: 111-118.
- Fraser, F.C. (1956). The nymphs of *Synlestes tropicus* Tillyard, *Chorismagrion risi* Morton, *Oristicta filicicola* Tillyard and *Lestoidea conjuncta* Tillyard: With description of the female of the latter and further notes on the male. *Aust. Zool.* **12**: 284-292.
- Freeman, P. (1961). The Chironomidae (Diptera) of Australia. *Aust. J. Zool.* **9**: 611-737.
- Frey, D. G. (1991a). A new genus of alonine chydorid cladocerans from athalassic saline waters of New South Wales, Australia. *Hydrobiologia* **224**: 11-48.
- Frey, D.G. (1991b). The species of *Pleuroxus* and of three related genera (Anomopoda: Chydoridae) in southern Australia and New Zealand. *Rec. Aust. Mus.* **43**: 291-372.
- Frey, D. G. (1998). Expanded description of *Leberis aenigmatica* Smirnov (Anomopoda: Chydoridae): a further indication of the biological isolation between western and eastern Australia. *Hydrobiologia* **367**: 31-42.
- Frost, T. M. (1991). Porifera. In: *Ecology and classification of North American Freshwater Invertebrates* (eds J.H. Thorp & A.P. Covich) pp. 95-124. Academic Press: San Diego.
- Fryer, G. (1969). A new freshwater species of the genus *Dolops* (Crustacea: Branchiura) parasitic on a galaxiid fish of Tasmania - with comments on disjunct distribution patterns in the Southern Hemisphere. *Aust. J. Zool.* **17**: 49-64.
- Geddes, M.C. (1973). A new species of *Parartemia* (Anostraca) from Australian. *Crustaceana* **25**: 253-95.
- Geddes, M.C. (1981). Revision of Australian species of *Branchinella*. *Aust. J. Mar. Freshw. Res.* **32**: 253-95.
- Gentili, E. (1980). The genera *Laccobius* and *Nothydrus* (Coleoptera: Hydrophilidae) in Australia and New Zealand. *Rec. S. Aust. Mus.* **18**: 143-154.
- Gibson, R. & Moore, J. (1971). Occurrence of the freshwater hoplonemertean *Prostoma graecense* (Bohmig) in Tasmania. *Freshwat. Biol.* **1**: 193-195.

- Gibson, R. & Moore, J. (1976). Freshwater nemerteans. *Zool. J. Linn. Soc.* **58**: 177-218.
- Glaister, A. (1991). *Identification of Coleoptera (Elmidae) larvae from the Upper South Alligator River*. Open File Record 85. Supervising Scientist for the Alligator Rivers Region: Sydney.
- Glaister, A. (1992). Illustrated keys to late instar larvae of some Australian Elmidae. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 11-12 February 1992.
- Glaister, A. (1999). *Guide to the identification of Australian Elmidae larvae*. Identification Guide No. 21. Cooperative Research Centre for Freshwater Ecology: Albury.
- Govedich, F.R. & Davies, R.W. (1998). The first record of the genus *Helobdella* (Hirudinoidea: Glossiphoniidae) from Australia, with a description of a new species, *Helobdella papillornata*. *Hydrobiologia* **389**: 45-49.
- Green, A.J.A. (1961). A study of Tasmanian Oniscoidea (Crustacea: Isopoda). *Aust. J. Zool.* **9**: 258-364.
- Greenslade, P.J. (1984). Springtails or Collembola. Information Leaflet No. 57. South Australian Museum: Adelaide.
- Greenslade, P.J. (1991). Collembola. In: *The Insects of Australia*, (ed. CSIRO) 2nd edn. pp. 252-264. Melbourne University Press: Carlton.
- Greenslade, P.J. (1994). Collembola. Pp. 19-138. In: *Zoological Catalogue of Australia*, (ed. W.W.K.K. Houston) Vol. 22. CSIRO: Melbourne.
- Griggs, J.A., Shiel, R.J. & Croome, R.L. (1999). A guide to the identification of chydorids (Branchiopoda: Anomopoda) from Australian inland waters. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 2-4 February 1999.
- Gunn, B., Cranston, P.S., Dimitriadis, S. & Trueman, J.W.H. (1999). *Interactive guide to Australian Aquatic Invertebrates*. Windows Edn 2. CSIRO, Land & Water Resources Research & Development Corporation, & Environment Australia: Canberra.
- Hamond, R. (1971). The Australian species of *Mesochra* (Crustacea: Harpacticoida), with a comprehensive key to the genus. *Aust. J. Zool. Suppl. Ser.* **7**, 1-32.
- Hamond, R. (1973). The Australian species of *Robertsonia* (Crustacea: Harpacticoida), with a revised key to the genus. *Rec. Aust. Mus.* **28**: 421-435.
- Hamond, R. (1987). Non-marine Harpacticoid Copepods of Australia. I. Canthocamptidae of the genus *Canthocamptus* Westwood s. lat. and *Fibulacamptus*, gen. nov., and including the description of a related new species of *Canthocamptus* from New Caledonia. *Invertebr. Taxon.* **1**: 1023-1247.
- Hardy, G.H. (1959). Diptera of Katoomba. Part 3. Stratiomyiidae and Tachinidae. *Proc. Linn. Soc. N.S.W.* **84**: 209-217.
- Harker, J.E. (1950). Australian Ephemeroptera. Part 1. Taxonomy of New South Wales species, and evaluation of taxonomic characters. *Proc. Linn. Soc. NSW.* **75**: 1-34.
- Harker, J.E. (1954). The Ephemeroptera of eastern Australia. *Trans. R. ent. Soc. Lond.* **105**: 241-268.
- Harker, J.E. (1957). Some new Australian Ephemeroptera. Part II. *Proc. R. ent. Soc. Lond.* **26**: 69-78.
- Harrison, K. & Ellis, J.P. (1991). The genera of Sphaeromatidae (Crustacea: Isopoda): a key and distribution list. *Invertebr. Taxon.* **5**: 915-952.
- Hartmann, G. & Puri, H.S. (1974). Summary of neontological and paleontological classification of Ostracoda. *Mitt. Hamburg Zool. Mus. Inst.* **70**: 7-73.
- Harvey, M.S. (1987). New and little-known species of the water mite genera *Tartarothyas*, *Pseudohydryphantes* and *Cyclohydryphantes* from Australia (Chelicerata: Actinedida: Hydryphantidae). *Mem. Mus. Vict.* **48**: 107-122.
- Harvey, M.S. (1988a). A new species of *Lobohalacarus* from Australia (Chelicerata: Acarina: Halacaridae). *Mem. Mus. Vict.* **49**: 363-365.
- Harvey, M.S. (1988b). Three unusual water mites from Australia (Chelicerata: Acarina: Hydryphantidae, Hygrobatidae and Athienemanniidae). *Mem. Mus. Vict.* **49**: 355-361.
- Harvey, M.S. (1988c). Two new species of water mite genera *Aspidiobates* Lunblad from Western Australia, (Acarina: Hygrobatidae). *Rec. W.A. Mus.* **14**: 199-209.
- Harvey, M.S. (1988d). New species of water mite family Hydryphantidae (Acarina) from the Northern Territory, Australia. *The Beagle, Rec. N.T. Mus. Arts Sci.* **5**: 17-26.

- Harvey, M.S. (1989a). Notes on the identification of Australian water mites. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 13th February 1989.
- Harvey, M.S. (1989b). A review of the water mite genus *Australorivacarus* K.O. Viets (Chelicerata: Hygrobatidae). *Invertebr. Taxon.* **3**: 155-162.
- Harvey, M.S. (1989c). A new species of *Wuria* K. Viets from the northern Australia. (Acarina: Arrenuridae) *The Beagle, Rec. N.T. Mus. Arts Sci.* **6**: 85-88.
- Harvey, M.S. (1990a). A review of the water mite family Limnocharidae in Australia (Acarina). *Invertebr. Taxon.* **3**: 483-93.
- Harvey, M.S. (1990b). A review of the water mite family Anisitsiellidae in Australia. *Invertebr. Taxon.* **3**: 629-46.
- Harvey, M.S. (1990c). Pezidae, a new freshwater mite family from Australia (Acarina: Halacaroidae). *Invertebr. Taxon.* **3**: 771-81.
- Harvey, M.S. (1990d). Two new species of *Partidomomonina* from south-eastern Australia (Acarina: Momoniidae). *Mem. Mus. Vict.* **50**: 337-340.
- Harvey, M.S. (1990e). Two new water mite genera from south-western Australia (Acarina: Aturidae, Mideopsidae). *Mem. Mus. Vict.* **50**: 341-346.
- Harvey, M.S. (1996a). A revised systematic placement for *Austrotrombella* Southcott (Acarina: Hydryhantidae). *Trans. R. Soc. S. Aust.* **120**: 37-40.
- Harvey, M.S. (1996b). A review of the water mite family Pionidae in Australia (Acarina: Hygrobatoidae). *Rec. W.A. Mus.* **17**: 361-393.
- Harvey, M.S. (1998). *The Australian Water Mites. A Guide to Families and Genera*. Monographs on Invertebrate Taxonomy Vol. 4, 1-150. CSIRO Australia and Western Australian Museum..
- Harvey, M.S. & Cook, D.R. (1988). Water mites of the genus *Aspidiobates* from Victoria, Australia, with the description of two new species (Chelicerata: Acarina: Hygrobatidae). *Mem. Mus. Vict.* **49**: 51-57.
- Harvey, M.S. & Grouns, J. (1998). *Preliminary guide to the identification of families of Australian water mites (Arachnida: Acarina)*. Identification Guide No. 18. Cooperative Research Centre for Freshwater Ecology: Albury.
- Haswell, W.A. (1915). Studies on the Turbellaria Part III. *Didymorchis*. *Quart. J. Micr. Sci.* **61**: 161-170.
- Hawking, J.H. (1986). *Dragonfly larvae of the River Murray system: A preliminary guide to the identification of known final instar odonate larvae of south-eastern Australia*. Technical Report No. 6. Albury-Wodonga Development Corporation: Wodonga.
- Hawking, J.H. (1991) The first record of the dragonfly *Dendroaeschna conspersa* (Tillyard) (Odonata: Aeshnidae) from Victoria. *Vict. Nat.* **108**: 6-7.
- Hawking, J.H. (1993a). A guide to keys and zoological information to identify macroinvertebrates from freshwaters in Australia. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 9-10th February 1993.
- Hawking, J.H. (1993b). A guide to keys and zoological information to identify macroinvertebrates from freshwaters in Australia. (Condensed edition). *Aust. Soc. Limnol. Newsl.* **31**(1): 44-57.
- Hawking, J.H. (1993c). *A preliminary guide to the identification of dragonfly larvae (Odonata) from the Alligator Rivers Region of the Northern Territory*. Open File Record 102. Supervising Scientist for the Alligator Rivers Region: Sydney.
- Hawking, J.H. (1994). *A preliminary guide to keys and zoological information to identify invertebrates from Australian freshwaters*. Identification Guide No. 2. Cooperative Research Centre for Freshwater Ecology: Albury.
- Hawking, J.H. (1995). Monitoring River Health Initiative Taxonomic Workshop Handbook. MRHI Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 6-7th February 1995.
- Hawking, J.H. & Smith, F.J. (1997). *Colour guide to invertebrates of Australian inland waters*. Identification Guide No. 8. Cooperative Research Centre for Freshwater Ecology: Albury.
- Hawking, J.H. & Theischinger, G. (1999). *Dragonfly larvae (Odonata). A guide to the identification of larvae of Australian families and identification and ecology of larvae from New South Wales*. CRCFE Identification Guide No. 24 and AWT Identification Guide No.3. Cooperative Research Centre for Freshwater Ecology: Albury.
- Hay, D.A. & Ball, I.R. (1979). Contributions to the biology of freshwater planarians (Turbellaria)

- from the Victorian Alps, Australia. *Hydrobiologia* **62**: 137-164.
- Heegaard, P. (1962). Parasitic Copepoda from Australian waters. *Aust. Mus. Rec.* **25**: 149-233.
- Henry, M. (1924). A monograph of the freshwater Entomostraca of New South Wales. Pt. IV. Phyllopora. *Proc. Linn. Soc. N.S.W.* **49**: 120-137.
- Hickman, V.V. (1934). On a new prorrhynchid turbellarian from Tasmania. *Quart. J. Micr. Sci.* **76**: 257-268.
- Hickman, V.V. (1967). Tasmanian Temnocephalidea. *Pap.Proc. R. Soc. Tasm.* **101**: 227-250.
- Hinton, H.E. (1965). A revision of the Australian species of *Austrolimnius* (Coleoptera: Elmidae). *Aust. J. Zool.* **13**: 97-172.
- Hinton, H.E. (1968). The subgenera of *Austrolimnius* (Coleoptera: Elminthidae). *Proc. R. ent. Soc. Lond.* **37**: 98-102.
- Hiscock, I.D. (1951). A note on the life history of the Australian freshwater mussel, *Hyridella australis* (Lamarck). *Trans. R. Soc. S. Aust.* **74**: 146-148.
- Hiscock, I.D. (1960). Supplementary data on freshwater mussels (Mollusca : Pelecypoda) of the Australian region. *Aust. J. Mar. Freshwat. Res.* **11**: 123-126.
- Holthuis, L.B. (1960). Two new species of atyid shrimps from subterranean waters of N.W. Australia (Decapoda: Natantia). *Crustacea* **1**: 47-57
- Horwitz, P. (1990). A taxonomic revision of species in the freshwater crayfish genus *Engaeus* Erichson (Decapoda: Parastacidae). *Invertebr. Taxon.* **4**: 427-614.
- Horwitz, P. (1994). A new species of freshwater crayfish genus *Engaeus* Erichson (Decapoda: Parastacidae) from north-western Tasmania. *Mem. Mus. Vic.* **54**: 439-445.
- Horwitz, P. (1995). Preliminary key to the species of Decapoda (Crustacea : Malacostraca) found in Australian inland waters. Identification Guide No. 5. Cooperative Research Centre for Freshwater Ecology: Albury.
- Horwitz, P., Knott, B. & Williams, W.D. (1995). Preliminary key to the malacostracan families (Crustacea) found in Australian inland waters. Identification Guide No. 4. (Cooperative Research Centre for Freshwater Ecology: Albury).
- Houston, W.W.K. & Watson, J.A.L. (1988). Odonata. In: *Zoological Catalogue of Australia* (ed. W.W.K. Houston) Vol. 6, pp. 33-132. Australia Government Publishing Service: Canberra.
- Hubendick, B. (1967). Studies on Ancyliidae. The Australian, Pacific and Neotropical form groups. *Acta K. Vet. O. Vitterh. G"teborg Zool.* **1**: 1-52.
- Hungerford, H.B. & Matsuda, R. (1960). Keys to subfamilies, tribes, genera and subgenera of the Gerridae of the world. *Univ. Kansas Sci. Bull.* **41**: 3-24.
- Hunt, G. S., Norton, R.A., Kelly, J. P. H., Colloff, M. J. & Lindsay, S. M. (1998a). An interactive glossary of Oribatid mites. In: *Oribatid Mites*. CSIRO Publishing: Melbourne.
- Hunt, G. S., Colloff, M. J., Dallwitz, M. J. & Walter, D. E. (1998b). An interactive key to Oribatid mites of Australia. In: *Oribatid Mites*. CSIRO Publishing: Melbourne.
- Hussainy, S.U. (1969). A new species of *Gomphocythere* (Limnocytheridae: Ostracoda) from Australia. *Proc. R. Soc. Vict.* **82**: 299-303.
- Hutchings, P.(1982). Bristleworms (Phylum Annelida). In: *Marine invertebrates of southern Australia* (eds S.A. Shepard & I.M. Thomas) pp. 229-298. Handbook of the flora and fauna of South Australia. Government Printer, South Australia: Adelaide.
- Hutchings, P., De Deckker, P. & Geddes, M.C. (1981). A new species of *Manayunkia* (Polychaeta) from ephemeral lakes near the Coorong, South Australia. *Trans. R. Soc. S. Aust.* **105**: 25-28.
- Huys, R. & Boxshall, G.A. (1991). *Copepod Evolution*. The Ray Society: London.
- Hynes, N.B.N. (1974). Comments on the taxonomy of Australian Austroperlidae and Gripopterygidae (Plecoptera). *Aust. J. Zool. Suppl.* **29**: 1-36.
- Hynes, N.B.N. (1976). *Symbiocladius aurifodinae* sp. nov. (Diptera: Chironomidae), a parasite of nymphs of Australian Leptophlebiidae (Ephemeroptera). *Mem. Mus. Vic.* **37**: 47-52.
- Hynes, N.B.N. (1978). An annotated key to the nymphs of the stoneflies (Plecoptera) of the State of Victoria. *Aust. Soc. Limnol. Spec. Publ.* **2**: 1-64.
- Hynes, N.B.N. (1989). Tasmanian Plecoptera. *Aust. Soc. Limnol. Spec. Publ.* **8**: 1-81.
- Hynes, N.B.N. & Bunn, S. E. (1984). The stoneflies (Plecoptera) of Western Australia. *Aust. J. Zool.* **32**: 97-107.
- Ingram, B.A., Hawking, J.H. & Shiel, R.J. (1997). *Aquatic life in freshwater ponds. A guide to the*

- identification and ecology of life in aquaculture ponds and farm dams in south-eastern Australia*. Identification Guide No. 9. Cooperative Research Centre for Freshwater Ecology: Albury.
- Iredale, T. (1943). A basic list of the freshwater Mollusca of Australia. *Aust. Zool.* **10**: 188-230.
- Jackson, J.E. (1985). Larvae and pupae of *Lectrides varians* Mosely and *Leptorussa darlingtoni* (Banks) (Trichoptera: Leptoceridae). *Trans R. Soc. S. Aust.* **109**: 83-95.
- Jackson, J.E. (1991). The larvae of Calocidae and Conoesucidae from Tasmania. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 25-28th February 1991.
- Jackson, J.E. (1998). *Preliminary guide to the identification of late instar larvae of Australian Calocidae, Helicophidae and Conoesucidae (Insecta: Trichoptera)*. Identification Guide No. 16. Cooperative Research Centre for Freshwater Ecology: Albury.
- Johnston, T.H. (1938). A census of the free-living and plant-parasitic nematodes recorded as occurring in Australia. *Trans. R. Soc. S.A.* **62**: 149-168.
- Kettle, D.S. & Elson, M.M. (1975). The immature stages of *Culicoides belkini* Wirth & Arnaud (Diptera: Ceratopogonidae) with notes on pupal terminology. *J. med. Ent.* **12**: 256-258.
- Kitching, R.L. & Allsopp, P.G. (1987). *Prionocyphon niger* sp. n. (Coleoptera: Scirtidae) from water-filled tree holes in Australia. *J. Aust. ent. Soc.* **26**: 73-79.
- Knott, B. (1975). A new species of freshwater amphipod, *Paracalliope larai*, (Family Eusiridae) from Tasmania. *Pap. Proc. R. Soc. Tasm.* **109**: 39-52.
- Knott, B. & Lake P.S. (1980). *Eucrenonaspides oinotheke* gen. Et sp. N. (Psammaspididae) from Tasmania, and a new taxonomic scheme for Anaspidacea (Crustacea, Syncarida). *Zoologica Scripta* **9**: 25-33.
- Knowles, J.N. (1974). A revision of Australian species of *Agraptocorixa* Kirkaldy and *Diaprepocoris* Kirkaldy (Heteroptera: Corixidae). *Aust. J. Mar. Freshwat. Res.* **25**: 173-191.
- Kormilev, N.A. (1971). Ochteridae from the Oriental and Australian regions (Hemiptera: Heteroptera). *Pacific Insects* **13**: 429-444.
- Korovchinsky, N.M. (1981). Taxonomic and faunistic revision of Australian *Diaphanosoma* (Cladocera: Sididae). *Aust. J. Mar. Freshwat. Res.* **32**: 813-831.
- Korovchinsky, N.M. (1992). Sididae and Holopediidae (Crustacea: Daphniiformes). *Guides to the Identification of the Microinvertebrates of the Continental Waters of the World*. 3, 1-82. SPB Academic Publishers, The Hague.
- Koste, W. (1978). Rotatoria. Die Radertiere Mitteleuropas. Monogononta. 2 vols. 673 pp. text and 234 plates. (Gebrud. Borntraeger: Berlin, Stuttgart.)
- Koste, W. & Shiel, R.J. (1986). Rotifera from Australian inland waters. I. Bdelloidea (Rotifera: Digononta). *Aust. J. Mar. Freshw. Res.* **37**: 765-792.
- Koste, W. & Shiel, R.J. (1987). Rotifera from Australian inland waters. II. Epiphanidae and Brachionidae (Rotifera: Monogononta). *Invertebr. Taxon.* **7**: 949-1021.
- Koste, W. & Shiel, R.J. (1989a). Rotifera from Australian inland waters. III. Euchlanidae, Mytilinidae and Trichotriidae (Rotifera: Monogononta). *Trans. R. Soc. S. Aust.* **113**: 85-114.
- Koste, W. & Shiel, R.J. (1989b). Rotifera from Australian inland waters. IV. Colurellidae (Rotifera: Monogononta). *Trans. R. Soc. S. Aust.* **113**: 119-143.
- Koste, W. & Shiel, R.J. (1990a). Rotifera from Australian inland waters. V. Lecanidae (Rotifera: Monogononta). *Trans. R. Soc. S. Aust.* **114**: 1-36.
- Koste, W. & Shiel, R.J. (1990b). Rotifera from Australian inland waters. VI. Proalidae and Lindiidae (Rotifera: Monogononta). *Trans. R. Soc. S. Aust.* **114**: 129-143.
- Koste, W. & Shiel, R.J. (1991). Rotifera from Australian inland waters. VII. Notommatidae (Rotifera: Monogononta). *Trans. R. Soc. S. Aust.* **115**: 111-159.
- Kudo, R. (1997). *Protozoology*. Charles Thomas: Illinois.
- Kuiper, J.G.J. (1983). The Sphaeriidae of Australia. *Basteria* **47**: 3-52.
- Lacourt, A.W. (1968). A monograph of the freshwater Bryozoa – Phylactolaemata. *Zool. Verh., Leiden* **93**: 1-159.
- Lange, W.H. (1996). Aquatic and semiaquatic Lepidoptera. In: *An introduction to the aquatic insects of North America* (eds R.W. Merritt & K.W. Cummins) 3rd edn. pp. 387-398. Kendal/Hunt: Dubuque, Iowa.
- Langton, P.H., Cranston, P.S. & Armitage, P. (1988). The parthenogenetic midge of water supply

- systems, *Paratanytarsus grimmii* (Schneider) (Dptera: Chironomidae). *Bul. ent. Res.* **78**: 317-328.
- Lansbury, I. (1964a). The genus *Anisops* in Australia (Hemiptera: Notonectidae), part 1. *J. ent. Soc. Qld.* **3**: 52-65.
- Lansbury, I. (1964b). A revision of the genus *Paranisops* Hale (Heteroptera: Notonectidae). *Proc. R. ent. Soc. Lond. (B)* **33**: 181-188.
- Lansbury, I. (1968). The *Enithares* (Hemiptera: Heteroptera: Notonectidae) of the oriental region. *Pacific Insects* **10**: 353-442.
- Lansbury, I. (1969). The genus *Anisops* in Australia (Hemiptera- Heteroptera: Notonectidae). *J. nat. Hist.*, **3**: 433-458.
- Lansbury, I. (1970). Revision of the Australian *Sigara* (Hemiptera-Heteroptera: Corixidae). *J. nat. Hist.* **4**: 39-54.
- Lansbury, I. (1972). A review of the oriental species of *Ranatra* Fabricius (Hemiptera-Heteroptera: Nepidae). *Trans. R. ent. Soc. Lond.* **124**: 287-341.
- Lansbury, I. (1974). A new genus of Nepidae from Australia with a revised classification of the family (Hemiptera: Heteroptera). *J. Aust. ent. Soc.* **13**: 219-227.
- Lansbury, I. (1975). Notes on the additions, changes and the distribution of the Australian water-bug fauna (Hemiptera-Heteroptera). *Mem. natn. Mus. Vict.* **36**: 17- 23.
- Lansbury, I. (1978). A review of the *Goondnomdanepa* Lansbury (Heteroptera: Nepidae). *Aust. J. Mar. Freshw. Res.* **29**: 117-126.
- Lansbury, I. (1981). Aquatic and semi-aquatic bugs (Hemiptera) of Australia. In: *Ecological Biogeography of Australia* (ed. A. Keast) pp. 1197-1211. The Hague: Junk Vol. 2.
- Lansbury, I. (1983). Notes on the Australasian species of *Cymatia* Flor s.l. (Insect: Heteroptera: Corixidae). *Trans. R. Soc. S. Aust.* **107**: 51-57.
- Lansbury, I. (1984). Some Nepomorpha (Corixidae, Notonectidae and Nepidae) (Hemiptera: Heteroptera) of north-west Australia. *Trans. R. Soc. S. Aust.* **108**: 35-49.
- Lansbury, I. (1985). The Australian Naucoridae (Insecta: Hemiptera: Heteroptera) with descriptions of a new species. *Trans. R. Soc. S. Aust.* **109**: 109-119.
- Lansbury, I. (1990). Notes on the Hebridae (Insecta: Hemiptera-Heteroptera) of Australia with descriptions of three new species. *Trans. R. Soc. S. Aust.* **114**: 55-66.
- Larson, D.J. (1994). *Boongurrus rivulus*, a new genus and species of water beetle (Coleoptera: Dytiscidae: Bidessini) from northern Queensland, Australia. *J. Aust. ent. Soc.* **33**: 217-221.
- Lauck, D.R. & Menke, A.S. (1961). The higher classification of the Belostomatidae (Hemiptera). *Ann. ent. Soc. America* **54**: 644-657.
- Lawrence, E. (1990). *Henderson's Dictionary of Biological Terms*. 10th edn (student edition). Longman Scientific & Technical: Essex.
- Lawrence, J.F (1992). Australian Aquatic Coleoptera (Adults and Larvae). Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 14-15th February 1992.
- Lawrence, J.F & Britton, E.B. (1991). Coleoptera. In: *The Insects of Australia* (ed. CSIRO) 2nd edn pp. 543-683. pp. Melbourne University Press: Carlton.
- Lawrence, J.F, Nielsen, E.S. & Mackerras, I.M. (1991). Skeletal anatomy and key to orders. In: *The Insects of Australia* (ed. CSIRO) 2nd edn pp. 3-32. Melbourne University Press: Carlton.
- Lee, J.J., Hunter, S.H. & Bovee, E.C. (1985). *An illustrated guide to the Protozoa*. pp. 629. Society of Protozoologists: Lawrence, Kansas.
- Leedale, G.F. (1983). *Euglenoid Flagellates*. Prentice-Hall: Sydney.
- Lucas, J.S. (1980). Spider crabs of the family Hymenosomatidae (Crustacea: Brachyura) with particular reference to Australian species: systematics and biology. *Rec. Aust. Mus.* **33**:148-247,
- Lund, H.C. & Lund, J.W.G. (1995). *Freshwater Protozoa*. Biopress: Bristol.
- Lugo-Ortiz, C.R. & McCafferty, W.P. (1998a). First report of the genus *Siphlaenigma* Penniket and the family Siphlaenigmatidae (Ephemeroptera) from Australia. *Proc. Entomol. Soc. Wash.* **100**: 209-213.
- Lugo-Ortiz, C.R. & McCafferty, W.P. (1998b). *Offadens*, a new genus of small minnow mayflies (Ephemeroptera: Baetidae) from Australia. *Proc. Entomol. Soc. Wash.* **100**: 306-309.
- Lugo-Ortiz, C.R. & McCafferty, W.P. (1998c). First report and new species of the genus *Cloeodes*

- (Ephemeroptera: Baetidae) from Australia. *Entomol. News* **109**: 122-128.
- Lugo-Ortiz, C.R. & McCafferty, W.P. (1999). *Edmundsiops instigatus*: a new genus and species of small minnow mayflies (Ephemeroptera: Baetidae) from Australia. *Entomol. News* **110**: 65-69.
- Lugo-Ortiz, C.R., McCafferty, W.P. & Waltz, R.D. (1999). Definition and reorganization of the genus *Pseudocloeon* (Ephemeroptera: Baetidae) with new species descriptions and combinations. *American Entomol. Soc.* **125**: 1-37.
- Macan, T.T. (1964). *A guide to freshwater invertebrate animals*. Longmans: London.
- Macan, T.T. (1979). A key to the nymphs of British Ephemeroptera with notes on their ecology. 3rd edition *Freshwat. Biol. Ass.* No.20, 79 pp.
- Mackerras, I.M. (1954). The classification and distribution of Tabanidae (Diptera). I. General review. *Aust. J. Zool.* **2**: 431-454.
- Mackerras, I.M. (1961). The Tabanidae (Diptera) of Australia IV. Subfamily Chrysopinae. *Aust. J. Zool.* **9**: 827-906.
- Mackerras, I.M. (1971). The Tabanidae (Diptera) of Australia V. Subfamily Tabaninae, Tribe Tabanini. *Aust. J. Zool. Suppl. Ser.* No. 4, 1-54.
- Mackerras, I.M. & Mackerras, M.J. (1949). Revisional notes on Australasian Simuliidae (Diptera). *Proc. Linn. Soc. N.S.W.* **73**: 372-405.
- Macpherson, J.H. (1957). A review of the genus *Coxiella* Smith, 1894 *sensu lato*. *Western Australian Naturalist.* **5**: 191-204.
- Malipatil, M.B. (1980). Review of Australian *Microvelia* Westwood (Hemiptera: Veliidae) with a description of two new species from eastern Australia. *Aust. J. Mar. Freshwat. Res.* **31**: 85-108.
- Marshall, A.J. & Williams, W.D. (1972). *Textbook of Zoology Invertebrates*. 7th edn. Macmillan: London.
- Martin, E., Ruse, M. & Holmes, E. (eds). (1996). *Oxford Dictionary of Biology*. 3rd edn. Oxford University Press: Oxford.
- Martin, J. (1974). Key to the genera of Australian Tanypodinae larvae (Diptera: Chironomidae). *Aust. Soc. Limnol. Newsl.* **12**(2): 12-13.
- Martin, J. (1975). Key to the larvae of Australian genera of Chironomini (Diptera: Chironomidae). *Aust. Soc. Limnol. Newsl.* **13**(1): 21-33.
- Matthews, E. G. (1980). A guide to the genera of Beetles of South Australia. Part 1, Archostemata and Adepaga. Special Educational Bulletin Series. South Australian Museum: Adelaide.
- Matthews, E.G. (1982). A guide to the genera of beetles of South Australia. Part 2, Polyphaga: Staphylinoidea and Hydrophiloidea. Special Educational Bulletin Series. South Australian Museum: Adelaide.
- McCafferty, W.P. (1999). Distribution of Siphlaenigmatidae (Ephemeroptera). *Entomol. News* **110**: 191.
- McCafferty, W.P. & Wang, T.Q. (1997). Phylogenetic systematics of the family Telogandidae (Ephemeroptera: Pannota). *Ann. Cape Prov. Mus. (nat. Hist.)* **19**: 387-437.
- McKenzie, K.G. (1966). Freshwater Ostracoda from north-western Australia. *Aust. J. Mar. Freshwat. Res.* **17**: 259-279.
- McKenzie, K.G. (1968). A new species of *Paracypria* (Ostracoda: Cyprididae) from Victoria, Australia. *Zool. Anz.* **180**: 384-389.
- McKenzie, K.G. (1978). Ostracoda (Crustacea: Podocopida) from southern Australian salt lakes, with the description of *Reticypriis* new genus. *Trans. R. Soc. S. Aust.* **102**: 175-190.
- McMichael, D.F. (1967). Australian freshwater Mollusca and their probable evolutionary relationships: a summary of present knowledge. In: *Australian Inland Waters and Their Fauna: Eleven Studies* (ed. A.H. Weatherly). A.N.U. Press: Canberra.
- McMichael, D.F. & Hiscock, I.D. (1958). A monograph of the freshwater mussels (Mollusca: Pelecypoda) of the Australian Region. *Aust. J. Mar. Freshwat. Res.* **9**: 372-508.
- Meglitsch, P.A. & Schram, F.R. (1991). *Invertebrate Zoology*. Oxford University Press: Oxford
- Menke, A.S. (1960). A review of the genus *Lethocerus* (Hemiptera: Belostomatidae) in the eastern hemisphere with the description of a new species from Australia. *Aust. J. Zool.* **8**: 285-288.
- Menke, A.S. & Stange, L.A. (1964). A new genus of Nepidae from Australia with notes on the

- higher classification of the family. *Proc. R. Soc. Qld* **75**: 67-73.
- Merrick, J.R. (1993). *Freshwater crayfishes of New South Wales*. pp. 127. Linn. Soc. N.S.W: Milsons Point.
- Merritt, R.W. & Cummins, K.W. (1984). *An Introduction to the Aquatic Insects of North America*. 2nd edn. Kendal/Hunt: Dubuque, Iowa..
- Merritt, R.W. & Cummins, K.W. (1996). *An Introduction to the Aquatic Insects of North America*. 3rd edn. . Kendal/Hunt: Dubuque, Iowa.
- Metzeling, L. (1988). Description of the fourth instar larva and pupa of *Dasyomma tonnoiri* Paramonov (Diptera: Athericidae). *Aust. ent. Mag.* **15**: 113-118.
- Michaelis, F.B. & Yule, C. (1988). Plecoptera. In: *Zoological Catalogue of Australia* (ed. W.W.K. Houston) Vol. 6, pp. 133-176. Australian Government Publishing Service: Canberra.
- Miller, R. (1996). *Freshwater Invertebrates*. Gould League of Victoria: Moorabbin.
- Miller, W.R. (1997). Tardigrades, Bears of the moss. The Kansas School Naturalist. Emporia State University, *Central States Entomological Society*. 43. pp. 1-15.
- Miller, A.C., Ponder, W.F. & Clark, S.A. (1999). Freshwater snails of the genera *Fluvidona* and *Austropyrgus* (Gastropoda, Hydrobiidae) from northern New South Wales and southern Queensland, Australia. *Invertebr. Taxon.* **13**: 461-493.
- Morgan, G.J. (1986). Freshwater crayfish of the genus *Euastacus* Clark (Decapoda: Parastacidae) from Victoria. *Mem. natn. Mus. Vict.* **47**: 1-52.
- Morgan, G.J. (1988). Freshwater crayfish of the genus *Euastacus* Clark (Decapoda: Parastacidae) from Queensland. *Mem. natn. Mus. Vict.* **49**: 1-49.
- Morgan, G.J. (1991). The spiny freshwater crayfish of Queensland. *Qd. Nat.* **31**: 29-36.
- Morgan, G.J. (1997). Freshwater crayfish of the genus *Euastacus* Clark (Decapoda: Parastacidae) from New South Wales, with a key to all species of the genus. *Rec. Aust. Mus. Suppl.* 23: 1-110.
- Morse, J.C. & Neboiss, A. (1982). *Triplectides* of Australia (Insecta: Trichoptera: Leptoceridae). *Mem. natn. Mus. Vict.* **43**: 61-98.
- Morton, D.W. (1985). Revision of the Australian Cyclopidae (Copepoda: Cyclopoida). I. *Acanthocyclops* Kiefer, *Diacyclops* Kiefer and *Australocyclops*, gen. nov. *Aust. J. Mar. Freshw. Res.* **36**: 615-634.
- Morton, D.W. (1990). Revision of the Australian Cyclopidae (Copepoda: Cyclopoida). II. *Eucyclops* Claus and *Ectocyclops* Brady. *Aust. J. Mar. Freshw. Res.* **41**: 657-675.
- Naumann I. D. (1991). Hymenoptera (Wasps, bees, ants, sawflies). In: *The Insects of Australia* (ed. CSIRO) 2nd edn. pp. 916-1000. Melbourne University Press: Carlton.
- Neboiss, A. (1978). Atriplectididae, a new caddisfly family (Trichoptera: Atriplectididae). pp. 67-73. *Proc. 2nd Int. Symp. Trichoptera*. Dr Junk: The Hague.
- Neboiss, A. (1979). A terrestrial caddisfly larva from Tasmania (Calocidae: Trichoptera). *Aust. ent. Mag.* **5**: 90-93.
- Neboiss, A. (1980). Australian species of the genus *Anisocertropus* McLachlan (Calamoceratidae: Trichoptera). *Aust. J. Mar. Freshwat. Res.* **31**: 193-213.
- Neboiss, A. (1982). The caddis-flies (Trichoptera) of south-western Australia. *Aust. J. Zool.* **30**: 272-325.
- Neboiss, A. (1984). Four new caddis-fly species from Victoria (Trichoptera: Insecta). *Vict. Nat.* **101**: 86-91.
- Neboiss, A. (1986). *Atlas of Trichoptera of the SW Pacific - Australian Region*. Dr W. Junk Publishers: Dordrecht.
- Neboiss, A. (1987). Immature stages of *Plectrotarsus gravenhorsti* Kolenati (Trichoptera: Plectrotarsidae) and comments on likely family relationships. *Proc. R. Soc. Vict.* **99**: 135-140.
- Neboiss, A. (1988). Trichoptera. In: *Zoological Catalogue of Australia* (ed. W.W.K. Houston) Vol. 6. pp. 177-280. Australian Government Publishing Service: Canberra.
- Neboiss, A. (1990). The family Psychomyiidae (Trichoptera) re-established in Australia. *Mem. Mus. Vict.* **51**: 83-86.
- Neboiss, A. (1991). Trichoptera. In: *The Insects of Australia* (ed. CSIRO) 2nd edn. pp. 787-816. Melbourne University Press: Carlton.
- Neboiss, A. (1992). Illustrated keys to the families and genera of Australian Trichoptera: I Adults.

- Australian Society for Limnology, Special Publication No. 9.
- Neboiss, A. (1999). A second species of *Atriplectides* Mosely from Australia (Trichoptera: Atriplectididae). *Mem. Mus. Vic.* **57**: 237-239.
- New, T.R. (1991). Neuroptera. In: *The Insects of Australia* (ed. CSIRO) 2nd edn. pp. 525-542. Melbourne University Press: Carlton.
- Nicholas, W.L. (1993). Two new species of nematode (Nematoda: Enoplida: Thoracostomopsidae) from Lake Alexandrina, South Australia. *Trans. R. Soc. S. Aust.* **117**: 163-170.
- Nicholas, W.L. (1975). *The Biology of Free-living Nematodes*. Clarendon Press: Oxford.
- Nicholls, G.E. (1931). *Micraspides calmani*, a new syncaridan from the west coast of Tasmania. *J. Linn. Soc. Lond. (Zool.)* **37**: 473-488.
- Nicholls, G.E. (1943). The Phreatoicoidea. Part 1 – The Amphisopidae. *Pap. Proc. roy. Soc. Tasm.* **1942**: 1-145.
- Nicholls, G.E. (1944). The Phreatoicoidea. Part II – The Phreatoicidae. *Pap. Proc. roy. Soc. Tas.* **1943**: 1-157.
- Nielsen, E.S. & Common, I.F.B. (1991). Lepidoptera. In: *The Insects of Australia* (ed. CSIRO) 2nd edn. pp. 817-915. Melbourne University Press: Carlton.
- Nogrady, T., & Pourriot, R. (1995). The Notommatidae. In: *Rotifera*. Volume 3: The Notommatidae and The Scaridiidae. Guides to the identification of microinvertebrates of the continental waters of the world 8. pp. 3-229. SPB Academic Publishing: The Hague.
- Nogrady, T., Wallace, R.L. & Snell, T.W. (1993). *Rotifera*. Volume 1: Biology, ecology and systematics. Guides to the identification of microinvertebrates of the continental waters of the world 4. SPB Academic Publishing: The Hague.
- Ochs, G. (1949). A revision of the Australian Gyridae. *Rec. Aust. Mus.* **22**: 171-199.
- Ochs, G. (1956). Additional remarks on the Australian Gyridae. *Rec. Aust. Mus.* **24**: 31-35.
- Ogden, C.G. & Hedley, R.H. (1980). *An atlas of freshwater Testate Amoebae*. (British Museum (Natural History), Oxford University Press: London & Oxford.
- Oke, C.G. (1954). Australian species of Sphaeriidae. *Proc. R. Soc. Vic.* **65**: 57-59.
- Oliver, D.R. (1983) The larvae of Diamesinae (Diptera: Chironomidae) of the Holarctic region- Keys and diagnoses. In: *Chironomidae of the Holarctic Region: Keys and diagnoses, Part 1, larvae* (ed. T. Wiederholm) pp. 115-140. *Ent. Scand. Suppl.* **19**
- Parnrong, S. & Campbell, I.C. (1997). Two new species of *Austrophlebioides* Campbell and Suter (Ephemeroptera: Leptophlebiidae) from Australia, with notes on the genus. *Aust. J. Ento.* **36**: 121-127.
- Patterson, D.J. & Hedley, S. (1992). *Free-living freshwater Protozoa. A colour guide*. Wolfe Publishing Ltd: London.
- Pennak, R.W. (1978). *Freshwater invertebrates of the United States*. 2nd edn. Wiley: New York.
- Pennak, R.W. (1989). *Freshwater invertebrates of the United States*. 3rd edn. Wiley: New York.
- Pentecost, A. (1984). *Introduction to the freshwater Protozoa*. Richmond Printing: London.
- Peters, W.L. & Campbell, I.C. (1991). Ephemeroptera. In: *The Insects of Australia* (ed. CSIRO) 2nd edn pp. 279-293. Melbourne University Press: Carlton.
- Peterson, B.V. (1996). Simuliidae. In: *An introduction to the aquatic insects of North America* (eds R.W. Merritt & K.W. Cummins) 3rd edn. pp. 591-634. Kendal/Hunt: Dubuque, Iowa.
- Pilato, G. & Claxton, S.K. (1988). Tardigrades from Australia. I. *Macrobotus heeronimi* and *Minibiotus maculartus*, two new species of Eutardigrades. *Animalia* **15**: 83-89.
- Pilato, G. Claxton, S.K. & Binda, M. G. (1989a). Tardigrades from Australia. II. The evaluation of *Calophysibus ornatus* (Richters, 1900) *Caelatus* (Marcus, 1928) as a valid species and description of *Minibiotus fallax* n. sp. (Eutardigrada). *Animalia* **16**: 21-27.
- Pilato, G. Claxton, S.K. & Binda, M. G. (1989b). Tardigrades from Australia. III. *Echiniscus marcusii* and *Macrobotus peteri*, new species of Tardigrades from New South Wales. *Animalia* **16**: 43-48.
- Pilato, G. Claxton, S.K. & Horning, D.S. (1991). Tardigrades from Australia. IV. *Diphascion (Adropion) gordonense*, a new species from New South Wales (Tardigrada: Eutardigrada: Hypsibiidae). *Animalia* **18**: 157-161.
- Pilgrim, R.L.C. (1972). The aquatic larva and the pupa of *Choristella philpotti* Tillyard, 1917 (Mecoptera: Nannochoristidae). *Pacific Insects* **14**: 151-168.

- Pinder, A.M. & Brinkhurst, R.O. (1994). *A preliminary guide to the identification of microdrile oligochaetes of Australian freshwaters*. Identification Guide No. 1. Co-operative Research Centre for Freshwater Ecology: Albury.
- Pinder, A.M. & Brinkhurst, R.O. (1997a). Review of the Phreodrilidae (Annelida : Oligochaeta : Tubificida) of Australia. *Invertebr. Taxon.* **11**: 443-523.
- Pinder, A.M. & Brinkhurst, R.O. (1997b). First records of *Slavina* (Oligochaeta: Naididae) in Australia and description of a new species. *Proc.R. Soc. Vic.* **109**: 149-155.
- Pinder, A.M. & Brinkhurst, R.O. (1997c). The family Capilloventridae (Annelida, Clitellata) in Australia, with descriptions of two new species of *Capilloventer*. *Zool. Scr.* **26**: 255-265.
- Playfair, G. I. (1915). The genus *Trachelomonas*. *Proc. Linn. Soc. N.S.W.* **40**:1-41.
- Playfair, G. I. (1917). Rhizopods of Sydney and Lismore. *Proc. Linn. Soc. N.S.W.* **42**:633-675.
- Playfair, G. I. (1920). Peridineae of New South Wales. *Proc. Linn. Soc. N.S.W.* **44**:793-818.
- Playfair, G.I. (1921). Australian freshwater flagellates. *Proc. Linn. Soc. N.S.W.* **46**: 99-146.
- Poinar, G.O. (1991). Nematoda and Nematomorpha. In: Ecology and classification of North American Freshwater Invertebrates (eds J.H. Thorp & A.P. Covich) pp. 249-283. Academic Press: San Diego.
- Polhemus, J.T. (1982). Marine Hemiptera of the Northern Territory, including the first freshwater species of *Halobates* Eschscholtz (Gerridae, Veliidae, Hermatobatidae and Corixidae). *J. Aust. ent. Soc.* **21**: 5-11.
- Polhemus, J.T. (1996). Aquatic and semiaquatic Hemiptera. In *An introduction to the aquatic insects of North America* (eds R. W. Merritt & K. W. Cummins) 3rd edn pp. 267-297. Kendal/Hunt: Dubuque, Iowa.
- Polhemus, J.T. (1984). A review of the Naucorinae of Australia (Heteroptera: Naucoridae). *J. Aust. ent. Soc.* **23**: 157-160.
- Ponder, W.F. (1988). *Potamopyrgus antipodarum* - a molluscan coloniser of Europe and Australia. *J. Moll. Stud.* **54**: 271-285.
- Ponder, W.F. (1991). The eastern seaboard species of *Jardinella* (Mollusca: Gastropoda: Hydrobiidae), Queensland rainforest-inhabiting freshwater snails derived from the west. *Rec. Aust. Mus.* **43**: 275-289.
- Ponder, W.F. & Clark, G.A. (1990). A radiation of hydrobiid snails in threatened artesian springs in western Queensland. *Rec. Aust. Mus.* **42**: 301-363.
- Ponder, W.F., Clark, G.A., Miller, A.C. & Toluzzi, A. (1993). On a major radiation of freshwater snails in Tasmania and eastern Victoria: a preliminary overview of the *Beddomeia* group (Mollusca: Gastropoda: Hydrobiidae). *Invertebr. Taxon.* **7**: 501-750.
- Ponder, W.F., Colgan, D.J., Clark, G.A. & Terzis, T. (1994). Microgeographic, genetic and morphological differentiation of freshwater snails – the Hydrobiidae of Wilsons Promontory, Victoria, south-eastern Australia. *Aust. J. Zool.* **42**: 557-678.
- Ponder, W.F., Hershler, R. & Jenkins, B. (1989). An endemic radiation of hydrobiid snails from artesian springs in northern South Australia: their taxonomy, physiology, distribution and anatomy. *Malacologia* **31**: 1-140.
- Poore, G.C.B. & Humphreys, W.F., (1992). First record of Thermosbaenacea (Crustacea) from the Southern hemisphere: a new species from a cave in tropical Western Australia. *Invertebr. Taxon.* **6**:719-725
- Pourriot, R. (1997). The Ituridae (Monogononta) In: *Rotifera*. The Guides to the identification of microinvertebrates of the continental waters of the world 12. Pp. 329-344. SPB Academic Publishing: The Hague.
- Prescott, G.W. (1981). *How to know the freshwater algae*. Wm. C. Brown: Iowa.
- Quigley, M. (1977). *Invertebrates of streams and rivers: a key to identification*. Edward Arnold: London.
- Racek, A.A. (1969). The freshwater sponges of Australia. *Aust. J. Mar. Freshwat. Res.* **20**: 267-310.
- Rajapaksa, R. & Fernando, C.H. (1987). Redescription and assignment of *Alona globulosa* Daday, 1898 to a new genus *Notoalona* and a description of *Notoalona freyi* sp. nov. *Hydrobiologia* **144**: 131-153.
- Reynoldson, T.B. (1978). *A key to the British species of freshwater triclads*. 2nd edn. Scientific

- Publication No. 23. Freshwater Biological Association: Kendal.
- Richardson, L.R. (1968a). A new bdelloid-like triclad turbellarian ectoconsortic on Murray River *Chelonia*. *Proc. Linn. Soc. N.S.W.* **93**: 90-97.
- Richardson, L.R. (1968b). An annotated list of Australian leeches. *Proc. Linn. Soc. N.S.W.* **92**: 227-45.
- Richardson, L.R. (1969a). A contribution to the systematics of the hirudinid leeches, with description of new families, genera and species. *Acta Zool. Acad. Sci. Hungaricae* **15**: 97-149.
- Richardson, L.R. (1969b). The family Ozobranchidae redefined, and a novel ozobranchiform leech from Murray River turtles (Class Hirudinoidea: Order Rhynchobdelliformes). *Proc. Linn. Soc. NSW*, **94**: 61-80.
- Richardson, L.R. (1970a). A note on *Bdellasimilis barwicki* and an indication of a second species (Turbellaria: Tricladida). *Aust. Zool.* **15**: 400-402.
- Richardson, L.R. (1970b). *Bassianobdella victoria* gen. et sp. nov. (Hirudinoidea: Richardsonianidae). *Mem. Nat. Mus. Vic.*, **31**: 41-50.
- Richardson, L.R. (1971a). A new Australian "*Dineta/Barbronia* - like" leech, and related matters (Hirudinoidea: ? Erpobdellidae). *Proc. Linn. Soc. NSW* **95**: 221-231.
- Richardson, L.R. (1971b). *Habeobdella stagni*, a new genus and species from south-western Australia (Hirudinoidea: Richardsonianidae). *J. R. Soc. W.A.* **54**: 47-52.
- Richardson, L.R. (1972a). *Bassianobdella fusca* sp. nov. (Hirudinoidea: Richardsonianidae), with an initial demonstration of systematic values in the lengths of annuli in the mid-nephric somites. *Rec. Aust. Mus.* **28**: 129-139.
- Richardson, L.R. (1972b). A new genus based on the seven-banded *Richardsonianus dawbini* Richardson 1969 (Hirudinoidea: Richardsonianidae). *Proc. Linn. Soc. NSW* **97**: 130-140.
- Richardson, L.R. (1973). A new genus, *Priscabdella*, for aquatic jawed sanguivorous leeches from Flinders Island, north-eastern Tasmania, and southern South Australia. *Rec. Vict. Mus.* **47**: 1-18.
- Riek, E.F. (1951). The Australian freshwater prawns of the family Palaemonidae. *Rec. Aust. Mus.* **22**: 358-367.
- Riek, E.F. (1953a). A corallanid parasitic on freshwater prawns in Queensland. *Proc. Linn. Soc. N.S.W.* **77**: 259-261.
- Riek, E.F. (1953b). The Australian freshwater prawns of the family Atyidae. *Rec. Aust. Mus.* **23**: 111-121.
- Riek, E.F. (1954). The Australian Mecoptera or scorpion-flies. *Aust. J. Zool.* **2**: 143-168.
- Riek, E.K. (1963). An Australian mayfly of the family Ephemerellidae (Ephemeroptera). *J. ent. Soc. Qd.* **2**: 48-50.
- Riek, E.F. (1967). A new corallanid isopod parasitic on Australian freshwater prawns. *Proc. Linn. Soc. N.S.W.* **91**: 176-178.
- Riek, E.F. (1968). A new family of caddis-flies from Australia (Trichoptera: Tasimiidae). *J. Aust. ent. Soc.* **7**: 109-114.
- Riek, E.K. (1969). The Australian freshwater crayfish (Crustacea: Decapoda: Parastacidae), with descriptions of new species. *Aust. J. Zool.* **17**: 855-918.
- Riek, E.K. (1972). The phylogeny of the Parastacidae (Crustacea: Astacoidea), and description of a new genus of Australian freshwater crayfishes. *Aust. J. Zool.* **20**: 369-389.
- Rimes, G.D. (1951). Some new and little-known shore-bugs (Heteroptera-Saldidae) from the Australian region. *Trans. R. Soc. S. Aust.* **74**: 135-145.
- Roback, S.S. (1982a). The immature stages of some Australian Tanypodinae with some notes on the adults. *J. Aust. Ent. Soc.* **21**: 147-160.
- Roback, S.S. (1982b) The Tanypodinae (Diptera: Chironomidae) of Australia II. *Proc. Acad. Nat. Sci. Phil.* **134**: 80-112.
- Roberts, P.C. (1975). *Heterias petrensis*, a new species of freshwater isopod from Tasmania (Family Janiridae, Tribe Asellota). *Pap. Proc. R. Soc. Tasm.* **109**: 21-31.
- Romoser, W.S. & Stoffolano, J.G. (1998). *The Science of Entomology*. WCB McGraw-Hill: Boston.
- Ruppert, E.E. & Barnes, R.D. (1994). *Invertebrate Zoology*. 6th edn Saunders College Publishing:

- Fort Worth.
- Russell, F.S. (1970). On a new species of medusa from an inland salt lake in South Australia. *J. Zool.* **162**: 449-452.
- Russell, F.S. (1971). On the female of the medusa *Australomedusa baylii*. *J. Zool.* **164**: 133-135.
- Russell, R.C. (1993). *Mosquitoes and mosquito-borne disease in south-eastern Australia: A guide to the biology, relation to disease, surveillance, control and identification of mosquitoes in south-eastern Australia*. Revised edn. Medical Entomology Unit, Westmead Hospital, Westmead.
- Sayce, O.A. (1901). Description of some new Victorian freshwater Amphipoda. *Proc. R. Soc. Vic.* **13**: 225-242.
- Sayce, O.A. (1902a). Description of some new Victorian freshwater Amphipoda No. 2. *Proc. R. Soc. Vic.* **15**: 47-58.
- Sayce, O.A. (1902b). The Phyllopora of Australia, including descriptions of some new genera and species. *Proc. R. Soc. Vic.* **15**: 224-261.
- Schminke, H.K. (1974). *Psammisides williamsi* gen. n., sp. n., ein Vertreter einer neuen Familie mesopsammaler Anaspidacea (Crustacea, Syncarida). *Zoologica Scripta* **3**: 177-183.
- Seamer, D.G. (1998). Freshwater Protozoa of Tasmania. WRA Unit Report 98/05. Department of Primary Industry and Fisheries: Hobart.
- Segers, H. (1995a). The Lecanidae (Monogononta) In: *Rotifera*. Volume 6: The Guides to the identification of microinvertebrates of the continental waters of the world 6. Pp. 1-225. SPB Academic Publishing: The Hague.
- Segers, H. (1995b). The Scaridiidae In: *Rotifera*. Volume 3: The Notommatidae and The Scaridiidae. Guides to the identification of microinvertebrates of the continental waters of the world 8 pp. 230-237. SPB Academic Publishing: The Hague.
- Sergeev, V. (1990). A new species of *Daphniopsis* (Crustacea: Anomopoda: Daphniidae) from Australian lakes. *Hydrobiologia* **190**: 1-7.
- Sergeev, V. & Williams, W.D. (1983). *Daphniopsis pusilla* Serventy (Cladocera; Daphniidae), an important element in the fauna of Australian salt lakes. *Hydrobiologia* **100**: 293-300.
- Sergeev, V. & Williams, W.D. (1985). *Daphniopsis australis* sp. nov. (Crustacea: Cladocera), a further daphniid in Australian salt lakes. *Hydrobiologia* **120**: 119-128.
- Shaffer, M., Nielsen, E.S. & Horak, M. (1996). Pyralidae. In *Checklist of the Lepidoptera of Australia* (Eds E.S. Nielsen, A.D. Edwards & T.V. Rangsi) pp. 164-199. *Monogr. Aust. Lepid.* **4**: 1-529.
- Shiel, R.J. (1995). *A guide to the identification of rotifers, cladocerans and copepods from Australian inland waters*. Identification Guide No. 3. Cooperative Research Centre for Freshwater Ecology: Albury.
- Shiel, R.J. (2000). *A guide to the identification of cladocerans (Branchiopoda: Anomopoda/Ctenopoda) from Australian inland waters*. Identification Guide No. 32. Cooperative Research Centre for Freshwater Ecology: Albury.
- Shiel, R.J. & Dickson, J.A. (1995). Cladocera recorded from Australia. *Trans. R. Soc. R. S. Aust.* **19**: 29-40.
- Shiel, R.J. & Koste, W. (1992). Rotifera from Australian inland waters. VIII. Trichocera (Rotifera: Monogononta). *Trans. R. Soc. R. S. Aust.* **116**: 1-27.
- Shiel, R.J. & Koste, W. (1993). Rotifera from Australian inland waters. IX. Gastropodidae, Synchaetidae and Asplanchnidae (Rotifera: Monogononta). *Trans. R. Soc. R. S. Aust.* **117**: 111-139.
- Short, J.W. (1991). *Cherax nucifraga*, a new species of freshwater crayfish (Crustacea: Decapoda: Parastacidae) from the Northern Australia, Australia. *The Beagle, Rec. Northern Territory Mus. Arts Sci.* **8**: 115-120.
- Short, J.W. (1993a). *Cherax cartalacoolah*, a new species of freshwater crayfish (Crustacea: Decapoda: Parastacidae) from northeast Australia. *Mem. Qd Mus.* **33**: 55-59.
- Short, J.W. (1993b). *Caridina zebra*, a new species of freshwater atyid shrimp (Crustacea: Decapoda) from northeastern Queensland rainforest. *Mem. Qd Mus.* **34**: 61-67.
- Short, J.W. (1994). A new species of freshwater crab (Sundathelphusidae) from Cape York Peninsula. *Mem. Qd Mus.* **35**: 235-240.

- Short, J.W. & Davie, P.J.F. (1993). Two new species of freshwater crayfish (Crustacea: Decapoda: Parastacidae) from northeastern Queensland rainforest. *Mem. Qd Mus.* **34**: 69-80.
- Simpson, K.W. & Bode, R.W. (1980). *Common larvae of Chironomidae (Diptera) from New York State streams and rivers*. Bulletin No. 439 New York State Museum: New York.
- Slobodkin, L.B. & Bossert, P.E. (1991). The Freshwater Cnidaria- or Coelenterates. In: *Ecology and classification of North American Freshwater Invertebrates* (eds J.H. Thorp & A.P. Covich) pp. 125-143. Academic Press: San Diego.
- Sluys, R. (1990). On *Bdellasimilis barwicki* (Platyhelminthes: Tricladida) and its phyletic position. *Invertebr. Taxon.* **4**: 149-158.
- Sluys, R. (1997). An old problem in a new perspective: the enigmatic evolutionary relationships of some Australian freshwater planarians (Platyhelminthes, Tricladida, Paludicola). *Can. J. Zool.* **75**: 459-471.
- Sluys, R. & Rohde, K. (1991). A new species of freshwater triclad (Platyhelminthes: Tricladida) from Australia. *Zool. J. Linn. Soc.* **102**: 153-162.
- Smirnov, N.N. (1989a). Tropical Cladocera. 1. *Alona et Biapertura* (Aloninae, Chydoridae) species novae from tropical Australia. *Zool. Zhurn.* **68**: 135-140.
- Smirnov, N.N. (1989b). Tropical Cladocera. 2. New species of Chydoridae, Macrothricidae and Moinidae from tropical Australia. *Zool. Zhurn.* **68**: 51-59.
- Smirnov, N.N. (1992). The Macrothricidae of the World. *Guides to the Identification of the Microinvertebrates of the Continental Waters of the World 1*, 1-143. SPB Academic Publishers: The Hague.
- Smirnov, N. N. & Timms, B. V. (1983). Revision of the Australian Cladocera (Crustacea). *Rec. Aust. Mus. Suppl.* **1**, 1-132.
- Smith, B.J. (1996). *Identification keys to the families and genera of bivalve and gastropod molluscs found in Australian inland waters*. Identification Guide No. 6. Cooperative Research Centre for Freshwater Ecology: Albury.
- Smith, B.J. & Kershaw, R.C. (1979). *Field guide to the non-marine molluscs of south-eastern Australia*. Australian National University Press: Canberra.
- Smith, B.J. & Kershaw, R.C. (1981). *Tasmanian land and freshwater molluscs*. University of Tasmania: Hobart.
- Smith, I.M. & Harvey, M.S. (1989). Description of adults of *Arrenurus* (?*Micruracarus*) *kitchingi* sp. nov. (Acarina: Arrenuridae) from water-filled tree holes in Australia. *Can. Entomol.* **121**: 283-289.
- Sokol, A. (1988). Morphological variation in relation to the taxonomy of the *destructor* group of the genus *Cherax*. *Invertebr. Taxon.* **2**: 55-79.
- Solem, A., Girardi, E.L., Slack-Smith, S. & Kendrick, G.W. (1982). *Austroassimineia lethae*, gen. nov., sp. nov., a rare and endangered prosobranch snail from south-western Australia (Mollusca: Prosobranchia: Assimineidae). *J. Roy. Soc. West. Aust.* **65**: 119-129.
- St Clair, R.M. (1988). The adult and immatures of *Russobex cuneatus* gen. nov. a new monotypic genus from Victoria (Trichoptera: Leptoceridae). *Proc. R. Soc. Vict.* **100**: 47-52.
- St Clair, R.M. (1991). The genus *Notalina* (Trichoptera: Leptoceridae: Triplectidinae) in south-eastern Australia, with descriptions of the larvae and pupae. *Invertebr. Taxon.* **4**: 895-934.
- St Clair, R.M. (1993). The Australian Leptoceridae (Larvae). Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 9-10th February 1993.
- St Clair, R.M. (1994). Some larval Leptoceridae (Trichoptera) from south-eastern Australia. *Rec. Aust. Mus.* **46**: 171-226.
- St Clair, R.M. (1997). *Preliminary guide to the identification of late instar larvae of Australian Philorheithridae, Calamoceratidae and Helicopsychidae (Insecta: Trichoptera)*. Identification Guide No. 12. Cooperative Research Centre for
- St Clair, R., Doeg, T. & Winsor, L. (1999). A survey for *Spathula tryssa* ball and other freshwater flatworms in the Victorian Alps with an evaluation of the conservation status of each species. *Proc. of the R. Soc. of Vic.* **111**: 43-49.
- St Clair, R.M. (2000a). *Preliminary keys for identification of Australian caddisfly larvae of the family Leptoceridae*. Identification Guide No. 27. Cooperative Research Centre for Freshwater Ecology: Albury.

- St Clair, R.M. (2000b). *Preliminary keys for identification of Australian caddisfly larvae of the families Odontoceridae, Kokiriidae and Oeconesidae*. Identification Guide No. 30. Cooperative Research Centre for Freshwater Ecology: Albury.
- Stewart, W.E. (1980). The Australian genus *Diphlebia* Selys (Odonata: Amphipterygidae) I. Taxonomic revision of the adults II. Taxonomy of the larvae. *Aust. J. Zool., Suppl. Ser.* **75**, 1-72.
- Stock, J.H. (1977). Discovery of interstitial Isopoda of the family Microparasellidae in inland waters of Australia. *Stygologia* **1**: 93-100.
- Stoddart, J.A. (1982). Western Australian viviparids (Prosobranchia: Mollusca). *J. Malaco. Soc. Aust.* **5**: 167-173.
- Sumner, C.E. (1978). A revision of the genus *Parastacoides* Clark (Crustacea: Decapoda: Parastacidae) *Aust. J. Zool.* **26**: 809-821.
- Suter, P.J. (1979). A revised key to the Australian genera of mature mayfly (Ephemeroptera) nymphs. *Trans. R. Soc. S. Aust.* **103**: 79-83.
- Suter, P.J. (1984). A re-description of the genus *Tasmanocoenis* Lestage (Ephemeroptera: Caenidae) from Australia. *Trans. R. Soc. S. Aust.* **108**: 105-111.
- Suter, P.J. (1986). The Ephemeroptera (Mayflies) of South Australia. *Rec. S. Aust. Mus.* **19**: 339-397.
- Suter, P.J. (1989). Key to the mature caenid nymphs of the River Murray and other streams of south-eastern Australia. Taxonomy Workshop, Murray-Darling Freshwater Research Centre, 14-15th February 1989.
- Suter, P.J. (1992). *Taxonomic key to the Ephemeroptera (Mayflies) of the Alligator Rivers Region, Northern Territory*. Open File Record No. 96 Supervising Scientist for the Alligator Rivers Region: Sydney.
- Suter, P.J. (1993). *Wundacaenis*, a new genus of Caenidae (Insecta: Ephemeroptera) from Australia. *Invertebr. Taxon.* **7**: 787-803.
- Suter, P.J. (1997). *Preliminary guide to the identification of nymphs of Australian Baetid Mayflies (Insecta : Ephemeroptera) found in flowing waters*. Identification Guide No. 14. Cooperative Research Centre for Freshwater Ecology: Albury.
- Suter, P.J. (1999a). *Illustrated key to the Australian caenid nymphs (Ephemeroptera: Caenidae)*. Identification Guide No. 23. Cooperative Research Centre for Freshwater Ecology: Albury.
- Suter, P.J. (1999b). *Irpacaenis*, a new genus of Caenidae (Ephemeroptera) from Australia. *Aust. J. Ento.* **38**: 159-167.
- Suter, P.J. & Bishop, J.E. (1990). Stoneflies (Plecoptera) of South Australia. In: *Mayflies and Stoneflies* (ed. I.C. Campbell) pp. 189-207. Kluwer Academic Publishers: Kluwer.
- Swain, R., Wilson, I.S., Hickman, J.L. & Ong, J.E. (1970). *Allanaspides helonomus* gen. et sp. nov. (Crustacea: Syncarida) from Tasmania. *Rec. Queen Vict. Mus.* **35**: 1-13.
- Swain, R., Wilson, I.S. & Ong, J.E. (1971). A new species of *Allanaspides* (Syncarida: Anaspididae) from south-western Tasmania. *Crustacea* **21**: 196-202.
- Sweeney, A.W. (1965). The distribution of the Notonectidae (Hemiptera) in south-eastern Australia. *Proc. Linn. Soc. N.S.W.* **90**: 87-94.
- Tarjan, A.C., Esser, R.P. & Chang, S.L. (1977). An illustrated key to nematodes found in freshwater. *J. Water Pollut. Control Fed.* **49**: 2318-2337.
- Taylor, W.D. & Sanders, R.W. (1991). Protozoa In: *Ecology and classification of North American Freshwater Invertebrates* (eds J.H. Thorp & A.P. Covich) pp. 37-93. Academic Press: San Diego.
- Thain, M. & Hickman, M. (1996). *The Penguin Dictionary of Biology*. (9th ed.). Penguin Books: Harmondsworth, England.
- Theischinger, G. (1980). New stoneflies (Plecoptera) from New South Wales, Australia. *Aquatic Insects* **2**: 249-256.
- Theischinger, G. (1981). New and little known stoneflies from Australia (Insecta: Plecoptera). *Aquatic Insects* **3**: 103-127.
- Theischinger, G. (1982a). A revision of the Australian genera *Austroaeschna* Selys and *Notoaeschna* Tillyard (Odonata: Aeshnidae: Brachytroninae). *Aust. J. Zool., Suppl. Ser.* **87**, 1-67.

- Theischinger, G. (1982b). New and little known dinotoperline stoneflies from Australia (Insecta: Plecoptera: Gripopterygidae). *Mem. Qld. Mus.* **20**: 489-525.
- Theischinger, G. (1983a). The genus *Stenoperla* McLachlan in Australia (Insecta: Plecoptera: Eustheniidae). *Aust. J. Zool.* **31**: 541-556
- Theischinger, G. (1983b). The adults of the Australian Megaloptera. *Aquatic Insects* **5**: 77-98.
- Theischinger, G. (1984a). New and little known stoneflies (Plecoptera: Gripopterygidae) from Queensland and Victoria. *Aust. ent. Mag.* **10**: 93-98.
- Theischinger, G. (1984b). The species of the genus *Illiesoperla* McLellan (Insecta: Plecoptera: Gripopterygidae). *Aust. J. Zool.* **32**: 573-602.
- Theischinger, G. (1984c). A revision of the Australian stonefly genus *Austrocella* Illies (Insecta: Plecoptera: Notonemouridae). *Aust. J. Zool.* **32**: 691-718.
- Theischinger, G. (1985). The species of the Australian stonefly genus *Riekoperla* McLellan (Insecta: Plecoptera: Gripopterygidae). *Aust. J. Zool.* **33**: 785-830.
- Theischinger, G. (1986). Australian Thaumaleidae (Insecta: Diptera). *Rec. Aust. Mus.* **38**: 291-317.
- Theischinger, G. (1988). *Austrothaumalea bickeli* spec. nov., a new thaumaleid from Australia (Insecta: Diptera: Thaumaleidae). *Stapfia* **17**: 211-13.
- Theischinger, G. (1991a). Plecoptera. In: *The Insects of Australia* (ed. CSIRO) 2nd edn. pp. 311-319. Melbourne University Press: Carlton.
- Theischinger, G. (1991b). Megaloptera. In: *The Insects of Australia* (ed. CSIRO) 2nd edn. pp. 517-520. Melbourne University Press: Carlton.
- Theischinger, G. (1982). A revision of the Australian genera *Austroaeschna* Selys and *Notoaeshna* Tillyard (Odonata: Aeshnidae: Brachytroninae). *Aust. J. Zool. suppl. Ser. No. 87*, 1-67.
- Theischinger, G. (1993a). Two new species of *Austroaeschna* Selys from Queensland, Australia (Odonata: Aeshnidae: Brachytroninae). *Linzer biol. Beitr.* **25**: 805-819.
- Theischinger, G. (1993b). New species of Australian stoneflies (Insecta: Plecoptera). *Linzer biol. Beitr.* **25**: 821-832.
- Theischinger, G. (1996). The species of *Austrophlebia* Tillyard (Odonata: Anisoptera: Aeshnidae: Brachytroninae). *Linzer biol. Beitr.* **28**: 305-314.
- Theischinger, G. (1998). The larvae of the Australian Gomphidae (Anisoptera). *Odonatologica.* **27**: 433-465.
- Theischinger, G. (1999). Inventory of Australian Megaloptera larvae and resulting implications for the classification of the group (Insecta: Neuropterida). *Stapfia* **60**: 85-100.
- Theischinger, G. (2000a). *Preliminary key for the identification of larvae of the Australian Gomphides* (Odonata). Identification Guide No. 28. Cooperative Research Centre for Freshwater Ecology: Albury.
- Theischinger, G. (2000b). *Australian alderfly larvae and adults* (Insecta: Megaloptera). Identification Guide No. 29. Cooperative Research Centre for Freshwater Ecology: Albury.
- Theischinger, G. & Cardale, J.C. (1987). An illustrated guide to the adults of the Australian stoneflies (Plecoptera). *CSIRO Aust. Div. Entomol. Tech. Pap.* No. 26, pp. 83.
- Theischinger, G. & Houston, W.W.K. (1988). Megaloptera. In: *Zoological Catalogue of Australia*, (ed. W.W.K. Houston) Vol. 6, pp. 23-32. Australian Government Publishing Service: Canberra.
- Theischinger, G. & Watson, J.A.L. (1978). The Australian Gomphomacromiinae (Odonata: Corduliidae). *Aust. J. Zool.* **26**: 399-431
- Theischinger, G. & Watson, J.A.L. (1984). Larvae of the Australian Gomphomacromiinae, and their bearing on the status of the *Synthemis* group of genera (Odonata : Corduliidae). *Aust. J. Zool.* **32**: 67-95.
- Theischinger, G., Watson, J.A.L. & Rowe, R.J. (1993). Larvae of Australian Synlestidae (Odonata: Zygoptera). *J. Aust. ent. Soc.* **32**: 113-119.
- Thorp, J.H. & Covich, A.P. (eds) (1991). Ecology and classification of North American Freshwater Invertebrates. Academec Press Inc.: San Diego, California.
- Tillyard, R.J. (1928). The larva of *Hemiphlebia mirabilis* (Odonata). *Proc. Linn. Soc. N.S.W.* **53**: 193-206.
- Todd, E.L. (1960). The Gelastocoridae of Australia (Hemiptera). *Pacific Insects* **2**: 171-194.
- Torre-Bueno, de la, J.R. (1985). *A glossary of entomology and supplement A*. New York

- Entomology Society: New York.
- Torre-Bueno, J.R. de la, Nichols, S.W. & Tulloch, G.S. (1989). *The Torre-Bueno Glossary of Entomology*. New York Entomology Society: New York.
- Tsyrlin, E. (1999). Preliminary key to mature nymphs of *Leptoperla* stoneflies in Victoria. Taxonomic Workshop, Murray Darling Freshwater Research Centre 2-4th February 1999.
- Viets, K.O. (1978). New water mites (Hydrachnellae: Acari) from Australia. *Aust. J. Mar. Freshwat. Res.* **29**: 77-92.
- Viets, K.O. (1980). New Unionicolidae (Acari: Hydrachnellae) from Australia. *Trans. R. Soc. S. Aust.* **104**: 27-40.
- Walker, J.C. (1988). Classification of Australian buliniform planorbids (Mollusca: Pulmonata). *Rec. Aust. Mus.* **40**: 61-89.
- Walker, K.F. (1981). *Ecology of freshwater mussels in the River Murray*. Technical Paper No.63. Department of National Development and Energy: Canberra.
- Walker, K., Neboiss, A. Dean, J.C & Cartwright, D.I. (1993). Identification keys to families and genera of late instar Trichoptera larvae of the Queensland Wet Tropics world Heritage Area. In: *Report to Wet Tropics Management Authority* pp. 125- 177. Unpublished Report.
- Watson, J.A.L. (1962). *The Dragonflies (Odonata) of Southwestern Australia*. Handbook No. 7. Western Australian Naturalists' Club: Perth.
- Watson, J.A.L. (1967). The larva of *Synthemis leachi* Selys, with a key to the larvae of Western Australian Synthemistidae. *W.A. Nat.* **10**: 86-91.
- Watson, J.A.L. & Abbey, H.M. (1980). Dragonflies (Odonata) from the Northern Territory. *CSIRO Aust. Div. Ent. Rep.* **21**: 1-44.
- Watson, J.A.L. & Arthington, A.H. (1978). A new species of *Orthetrum* from dune lakes in eastern Australia. (Odonata: Libellulidae). *J. Aust. ent. Soc.* **17**: 151-157.
- Watson, J.A.L. & O'Farrell, A.F. (1991). Odonata (Dragonflies and damselflies). In: *The Insects of Australia* (ed. CSIRO) 2nd edn, pp. 294-310. Melbourne University Press: Carlton.
- Watson, J.A.L., Theischinger, G. (1980). The larva of *Antipodophlebia asthenes* (Tillyard) a terrestrial dragonfly? (Odonata: Aeshnidae). *Odonatologica* **9**: 253-258.
- Watson, J.A.L., Theischinger, G. (1984). The Australian Protoneurine (Odonata). *Aust. J. Zool. Suppl. Ser.* **98**: 1-51.
- Watson, J.A.L., Theischinger, G. & Abbey, H.M. (1991). *The Australian Dragonflies. A guide to the identification, distribution and habitats of Australian Odonata*. CSIRO: Melbourne.
- Watts, C.H.S. (1963). The larvae of the Australian Dytiscidae (Coleoptera). *Trans. R. Soc. S. Aust.* **87**: 23-40.
- Watts, C.H.S. (1964). The larvae of Australian *Cybister* spp. Curt., *Homoeodytes* spp. Reg. and *Hyderodes schuckhardi* Hope (Coleoptera: Dytiscidae). *Trans. R. Soc. S. Aust.* **88**: 145-156.
- Watts, C.H.S. (1978). A revision of the Australian Dytiscidae (Coleoptera). *Aust. J. Zool., Suppl. Ser. No. 57*, 1-166.
- Watts, C.H.S. (1987). Revision of the Australian *Berosus* Leach (Coleoptera: Hydrophilidae). *Rec. S. Aust. Mus.* **21**: 1-28.
- Watts, C.H.S. (1988a). Revision of Australian Halipilidae (Coleoptera). *Rec. S. Aust. Mus.* **22**: 21-28.
- Watts, C.H.S. (1988b). Revision of the Australian *Hydrophilus* Muller, 1764 (Coleoptera: Hydrophilidae). *Rec. S. Aust. Mus.* **22**: 117-130.
- Watts, C.H.S. (1989). Revision of the Australasian *Sternolophus* Solier (Coleoptera: Hydrophilidae). *Rec. S. Aust. Mus.* **23**: 89-95.
- Watts, C.H.S. (1990). Revision of the Australian *Hydrobiomorpha* B. (Coleoptera: Hydrophilidae). *Rec. S. Aust. Mus.* **24**: 35-42.
- Watts, C.H.S. (1995). Revision of the Australasian genera *Agraphydrus* Régimbart, *Chasmogenus* Sharp and *Helochares* Mulsant (Coleoptera: Hydrophilidae). *Rec. S. Aust. Mus.* **28**: 113-130.
- Watts, C.H.S. (1997a). A new genus and species of Australian Dytiscidae (Coleoptera). *Rec. S. Aust. Mus.* **29**: 121-123.
- Watts, C.H.S., (1997b). Three new *Berosus* Leach (Coleoptera: Hydrophilidae) from Australia. *Rec. S. Aust. Mus.* **29**: 147-152.
- Watts, C.H.S., (1997c). Four new species of *Antiporus* Sharp (Coleoptera, Dytiscidae) from

- Australia, with notes on *A. femoralis* (Boh.) and *A. interrogationis* (Clark). *Rec. S. Aust. Mus* **30**: 35-42.
- Watts, C.H.S. (1998a). *Preliminary guide to the identification of adult and larval Dytiscidae and adult aquatic Hydrophilidae (Insecta: Coleoptera)*. Identification Guide No. 19. Cooperative Research Centre for Freshwater Ecology: Albury.
- Watts, C.H.S. (1998b). Revision of Australian *Amphiops* Erichson, *Allocotocerus* Kraatz and *Regimbartia* (Coleoptera: Hydrophilidae). *Rec. S. Aust. Mus.* **30**: 93-106
- Watts, C.H.S. (1998c). Revision of Australian *Enochrus* Thomson (Coleoptera: Hydrophilidae). *Rec. S. Aust. Mus.* **30**: 137-156.
- Watts, C. H. S. (1999). Revision of Australian *Hydrochus* (Coleoptera : Hydrochidae). *Rec. S. Aust. Mus.* **32**: 1-43.
- Watts, C. H. S. & Humphries, W. F. (1999). Three new genera and five new species of Dytiscidae (Coleoptera) from underground water in Australia. *Rec. S. Aust. Mus.* **32**: 121-142.
- Wells, A. (1978). A review of the Australian species of *Hydroptila* Dalman (Trichoptera: Hydroptilidae) with descriptions of new species. *Aust. J. Zool.* **26**: 745-762.
- Wells, A. (1979a). A review of the Australian genera *Xuthotrichia* Mosely and *Hellyethira* Neboiss (Trichoptera: Hydroptilidae) with descriptions of new species. *Aust. J. Zool.* **27**: 311-329.
- Wells, A. (1979b). The Australian species of *Orthotrichia* Eaton (Trichoptera: Hydroptilidae). *Aust. J. Zool.* **26**: 585-622.
- Wells, A. (1980). A review of the Australian genera *Orphninothrichia* Mosely and *Maydenoptila* Neboiss (Trichoptera: Hydroptilidae) with descriptions of new species. *Aust. J. Zool.* **28**: 627-645.
- Wells, A. (1981). The genera *Oxyethira* Eaton, *Gnathotrichia* Ulmer and *Stenoxyethira* Kimmins (Trichoptera: Hydroptilidae) in Australia. *Aust. J. Zool.* **29**: 103-118.
- Wells, A. (1985). Larvae and pupae of Australian Hydroptilidae (Trichoptera), with observations on the general biology and relationships. *Aust. J. Zool. Suppl. Ser.* 113, 1-69.
- Wells, A. (1990). New species and a new genus of micro-caddisfly from northern Australia, including the first Australian record of the tribe Stactobiini (Trichoptera: Hydroptilidae). *Trans. R. Soc. S. Aust.* **114**: 107-28.
- Wells, A. (1991). *A guide to the caddisflies (Trichoptera) of the Alligator Rivers Region, Northern Territory*. Open File Record 84. Supervising Scientist for the Alligator Rivers Region: Sydney.
- Wells, A. (1992). The first parasitic Trichoptera. *Ecol. Entomol.* **17**, 299-302.
- Wells, A. (1995). Larva, pupa and notes on the general biology of *Tinodes radona* Neboiss (Trichoptera: Psychomyidae). *The Beagle, Rec. Mus. Art Gall. N.T.* **12**: 53-59.
- Wells, A. (1997). A preliminary guide to the identification of larval Hydroptilidae (Insecta: Trichoptera). Identification Guide No. 13. Cooperative Research Centre for Freshwater Ecology: Albury.
- Wells, A. & Cartwright, D.C. (1993). Females and immatures of the Australian caddisfly *Hyalopsyche disjuncta* neboiss (Trichoptera), and a new family placement. *Trans. R. Soc. S. Aust.* **117**: 97-104.
- Wharton, R.H. (1949). New species of Simuliidae (Diptera: Nematocera) from New South Wales. *Proc. Linn. Soc. NSW* **73**: 406-412.
- White, D.S., & Brigham, W.U. (1996). Aquatic Coleoptera. In: *An introduction to the aquatic insects of North America* (eds. R.W. Merritt & K.W. Cummins) 3rd edn pp. 399-473. Kendal/Hunt: Dubuque, Iowa.
- Williams, W.D. (1962). The Australian freshwater amphipods. I. The genus *Austrochiltonia*. *Aust. J. Mar. Freshw. Res.* **13**: 198-216.
- Williams, W.D. (1964). Subterranean freshwater prawns (Crustacea: Decapoda: Atyidae) in Australian *Aust. J. Mar. Freshwat. Res.* **15**: 93-106.
- Williams, W.D. (1965). Ecological notes on Tasmanian Syncarida (Crustacea: Malacostraca), with a description of a new species of *Anaspides*. *Int. Revue ges. Hydrobiol.* **50**: 95-126.
- Williams, W.D. (1980). *Australian Freshwater Life*. 2nd edn. Macmillan: Melbourne.
- Williams, W.D. & Barnard, J.L. (1988). The taxonomy of crangonyctoid Amphipoda (Crustacea) from Australian freshwaters: Foundation Studies. *Rec. Aust. Mus. Suppl. No.* 10, 1-180.
- Williams, W.D. & Smith, M.J. (1979). A taxonomic revision of Australian species of *Paratya*

- (Crustacea: Atyidae). *Aust. J. Mar. Freshwat. Res.* **30**: 815-832.
- Williamson, C.E. (1991). Copepoda. In: *Ecology and classification of North American Freshwater Invertebrates* (eds J.H. Thorp & A.P. Covich) pp. 787-822. Academic Press: San Diego
- Wilson, G.D.F. (1994). A phylogenetic analysis of the isopod Family Janiridae (Crustacea). *Invertebr. Taxon.* **8**: 749-766.
- Wilson, G.D.F. (1999). Phreatoicidea (Isopoda, Crustacea). Taxonomic Workshop, Murray Darling Freshwater Research Centre 2-4th February 1999.
- Wilson, G.D.F. & Ho, E.L. (1996). *Crenoicus* Nicholls, 1944, (Crustacea: Isopoda: Phreatoicidea): Systematics and biology of a new species from New South Wales. *Rec. Aust. Mus.* **48**: 7-32.
- Wilson, G.D.F. & Wägele, J-W. (1994). Review of the Family Janiridae (Crustacea: Isopoda: Asellota). *Invertebr. Taxon.* **8**: 683-747
- Winters, B. (1998). Australian guide to pondlife. Gould League of Victoria: Moorabbin.
- Winterbourn, M. J. & Gregson, K. L. D. (1989). Guide to the Insects of New Zealand. *Entomological Society of New Zealand*, Auckland.
- Wood, T.S. (1991). Bryozoans. In: *Ecology and classification of North American Freshwater Invertebrates* (eds J.H. Thorp & A.P. Covich) pp. 481-500. Academic Press: San Diego.
- Wooldridge, D.P. (1976). *Paracymus* of the Australian faunal region (Coleoptera: Hydrophilidae). *J. Kansas ento. Soc.* **49**: 453-462.
- Wroblewski, A (1970). Notes on Australian Micronectinae (Heteroptera: Corixidae). *Polskie Pismo ent.* **40**: 681-703.
- Wroblewski, A. (1972). Supplementary notes on Australian Micronectinae (Heteroptera: Corixidae). *Polskie Pismo ent.* **42**: 517-525.
- Yule, C. (1997). *Identification guide to the stonefly nymphs of New South Wales and northern Victoria*. AWT Identification Guide No. 2. Australian Water Technologies: West Ryde.
- Zeidler, W. (1985). A new species of crustacean (Syncarida: Anaspidacea: Koonungidae) from sinkholes and caves in the south-east of South Australia. *Trans. R. Soc. S. Aust.* **109**: 63-75.
- Zeidler, W. (1988). A redescription of *Afrochiltonia capensis* (Barnard 1916) with a review of the genera of the family Ceindae (Crustacea: Amphipoda). *Ann. S. Afr. Mus.* **98**: 105-119.
- Zeidler, W. (1991). A new genus and species of phreatic amphipod (Crustacea: Amphipoda) belonging in the "Chiltonia" generic group, from Dalhousie Springs, South Australia. *Trans. R. Soc. S. Aust.* **115**: 177-187.
- Zeidler, W. (1997). A new species of freshwater amphipod, *Austrochiltonia dalhousienis* sp. nov., (Crustacea: Amphipoda: Hyalellidae) from Dalhousie Springs, South Australia. *Trans. R. Soc. S. Aust.* **121**: 29-42.
- Zeidler, W. & Adams, M. (1990). Revision of the Australian crustacean genus of freshwater crayfish *Gramastacus* Riek (Decapoda: Parastacidae). *Invertebr. Taxon.* **3**: 913-924.
- Zwick, P. (1977a). Australian *Hydraena* (Coleoptera: Hydraenidae). *Aust. J. Zool.* **25**: 147-184.
- Zwick, P. (1977b). Australian Blephariceridae (Diptera). *Aust. J. Zool., Suppl. Ser.* 46, 1-121.
- Zwick, P. (1979a). Revision of the stonefly family Eustheniidae (Plecoptera), with emphasis on the fauna of the Australian region. *Aquatic Insects* **1**: 17-150.
- Zwick, P. (1979b). Notes on the genus *Necterosoma* (Col., Dytiscidae), with description of *N. susanna* sp. n. from Australia. *Aquatic Insects* **1**: 179-184.
- Zwick, P. (1981a). Australian *Edwardsina* (Diptera: Blephariceridae), new and rediscovered species. *Aquatic Insects* **3**: 75-78.
- Zwick, P. (1981b). *Carabhydrus andreas*, a new Australian dytiscid (Coleoptera: Dytiscidae). *Aquatic Insects* **3**: 167-170.
- Zwick, P. (1998). Australian net-winged midges of the tribe Apistomyiini (diptera: Blephariceridae). *Aust. J. Ento.* **37**: 289-311.

ACKNOWLEDGMENTS

Thanks are extended to Terry Hillman and Peter Cullen for supporting this taxonomic research through the Taxonomy Workshops and Identification Guides. Thanks are extended to all the scientists who provided references and willingly answered my taxonomic questions. However the following people deserve special thanks, John Bradbury, Andrew Boulton, David Cartwright, Satish Choy, Peter Cranston, Jenny Davis, John Dean, Patrick De Deckker, Mike Geddes, Alena Glaister, Fred Govedich, Penny Greenslade, Jane Growns, Mark Harvey, Pierre Horwitz, Brett Ingram, Jean Jackson, John Uwrence, Richard Marchant, Leon Metzeling, Arturs Neboiss, Adrian Pinder, Winston Ponder, Garry Poore, Sabine Schrieber, David Searner, Russ Shiel, John Short, Brian Smith, Felicity Smith, Ros St Clair, Phil Suter, Gunther Theischinger, Chris Watts, Tom Weir, Alice Wells and Buz Wilson. Thanks are also extended to Estelle Oliver for obtaining many of the references, Jo Thompson and Di Crowther for helping with collecting references for the voucher collection, and Melanie Pearson and Joanne Honeysett for helping with the arduous task of proof reading the drafts.