



ZOOTAXA

2260

Benthic Amphipoda (Crustacea: Peracarida) of the Great Barrier Reef

J.K. LOWRY & A.A. MYERS (EDS)

¹*Crustacea Section, Australian Museum, 6 College St., Sydney 2010, Australia
(jim.lowry@austmus.gov.au)*

²*Department of Zoology, Ecology and Plant Science, National University of Ireland, Cork, Ireland
(bavayia@googlemail.com)*



ABRS



Australian Government

Department of the Environment,
Water, Heritage and the Arts



Australian
museum

nature culture discover



Magnolia Press
Auckland, New Zealand

J.K. LOWRY & A.A. MYERS (EDS)
Benthic Amphipoda (Crustacea: Peracarida) of the Great Barrier Reef
(*Zootaxa* 2260)

930 pp.; 30 cm.

8 Oct. 2009

ISBN 978-1-86977-411-0 (hardback)

ISBN 978-1-86977-412-7 (Online edition)

FIRST PUBLISHED IN 2009 BY

Magnolia Press

P.O. Box 41-383

Auckland 1346

New Zealand

e-mail: zootaxa@mapress.com

<http://www.mapress.com/zootaxa/>

© 2009 Magnolia Press

All rights reserved.

No part of this publication may be reproduced, stored, transmitted or disseminated, in any form, or by any means, without prior written permission from the publisher, to whom all requests to reproduce copyright material should be directed in writing.

This authorization does not extend to any other kind of copying, by any means, in any form, and for any purpose other than private research use.

ISSN 1175-5326 (Print edition)

ISSN 1175-5334 (Online edition)

Benthic Amphipoda (Crustacea: Peracarida) of the Great Barrier Reef

J.K. LOWRY & A.A. MYERS

¹*Crustacea Section, Australian Museum, 6 College St., Sydney 2010, Australia.
(jim.lowry@austmus.gov.au)*

²*Department of Zoology, Ecology and Plant Science, National University of Ireland, Cork, Ireland.
(bavayia@googlemail.com)*

Table of Contents

Foreword. By J.K. Lowry & A.A. Myers	17
Introduction.....	17
Lizard Island Workshop	18
The Florida Workshop.....	18
The Amphipods of the GBR.....	19
Habitats	19
Material and methods	21
Acknowledgements.....	21
References.....	22
Colour Plates of Selected GBR Amphipoda.....	33
Checklist of the Amphipoda of Tropical Australia.....	39
Station List.....	45
The Biogeography of Indo-West Pacific Tropical Amphipods with particular reference to Australia. By A.A. Myers & J.K. Lowry	109
Abstract.....	109
Introduction.....	109
World distribution patterns of the Amphipoda.....	109
Palaeobiogeography of the Amphipoda.....	118
The formation of the Australian amphipod fauna.....	122
Parsimony Analysis of endemism of Indo-Pacific amphipods	123
Discussion.....	124
References.....	125
Amaryllididae. By J.K. Lowry & H.E. Stoddart.....	128
Abstract.....	128
Introduction.....	128
Material and Methods.....	128
<i>Bamarooka</i> Lowry & Stoddart, 2002	128
<i>Bamarooka tropicalis</i> Lowry & Stoddart, 2002	128
References.....	131
Ampeliscidae. By Rachael A. King	132
Abstract.....	132
Introduction.....	132
Material and Methods.....	132
<i>Ampelisca</i> Krøyer, 1842	133
<i>Ampelisca dimboola</i> Lowry & Poore, 1985	133
<i>Ampelisca dingaal</i> sp. nov.	135
<i>Ampelisca jiigurru</i> sp. nov.	138
References.....	142
Amphilochidae. By B.A.R. Azman	143
Abstract.....	143

Introduction.....	143
Material and Methods	144
<i>Amphilochus</i> Bate, 1862	144
<i>Amphilochus justus</i> sp. nov.	144
<i>Amphilochus lacertus</i> sp. nov.	147
References.....	151
Ampithoidae. By L.E. Hughes & J.K. Lowry	153
Abstract.....	153
Introduction.....	153
Material and Methods	153
<i>Ampithoe</i> Leach, 1814	154
<i>Ampithoe cookana</i> Peart, 2007	154
<i>Ampithoe katae</i> Peart, 2007	157
<i>Ampithoe kava</i> (Myers, 1985).....	161
<i>Ampithoe meganae</i> Peart, 2007	164
<i>Ampithoe waialua</i> J.L. Barnard, 1970	167
<i>Cymadusa</i> Savigny, 1816	171
<i>Cymadusa alyxis</i> Hughes & Lowry sp. nov.	171
<i>Cymadusa cavimana</i> (Sivaprakasam, 1971)	174
<i>Cymadusa heronensis</i> Peart, 2007	178
<i>Cymadusa hoeyae</i> Hughes & Lowry sp. nov.	181
<i>Cymadusa imbroglio</i> Rabindranath, 1972	184
<i>Cymadusa khbarnardi</i> Hughes & Lowry sp. nov.	188
<i>Cymadusa mariabyrneae</i> Hughes & Lowry sp. nov.	191
<i>Cymadusa smilodonta</i> Hughes & Lowry sp. nov.	194
<i>Cymadusa tattersalli</i> Peart, 2004.....	198
<i>Cymadusa thagaay</i> Peart, 2007	201
<i>Cymadusa wistari</i> Peart, 2007	204
<i>Paragrubia</i> Chevreux, 1901	207
<i>Paragrubia edgari</i> Peart sp. nov.	207
<i>Plumithoe</i> Barnard & Karaman, 1991	211
<i>Plumithoe quadrimana</i> (Haswell, 1879).....	211
<i>Sunamphitoe</i> Bate, 1857	214
<i>Sunamphitoe fantome</i> Peart sp. nov.	214
References.....	217
Aoridae. By Alan A. Myers	220
Abstract.....	220
Introduction.....	220
Material and Methods	220
<i>Aoroides</i> Walker, 1898	221
<i>Aoroides palfreyensis</i> sp. nov.	221
<i>Aoroides parvus</i> sp. nov.	223
<i>Autonoe</i> Bruzelius, 1859.....	226
<i>Autonoe seurati</i> (Chevreux, 1907) nov. comb.	226
<i>Bemlos</i> Shoemaker, 1925.....	228
<i>Bemlos aequimanus</i> (Schellenberg, 1938).....	229
<i>Bemlos australis</i> (Haswell, 1879).....	231
<i>Bemlos bidens</i> Myers, 1988.....	234
<i>Bemlos clypeatus</i> Krapp-Schickel & Myers, 2006.....	237
<i>Bemlos ephippium</i> Myers, 1988	239
<i>Bemlos gladius</i> sp. nov.	242

<i>Bemlos mollis</i> Myers, 1988.....	245
<i>Bemlos triangulum</i> Myers, 1988.....	247
<i>Bemlos tridentatus</i> Myers, 1988.....	250
<i>Bemlos tui</i> (Myers, 1985)	253
<i>Bemlos waipio</i> (J.L. Barnard, 1970)	255
<i>Globosolembos</i> Myers, 1985	258
<i>Globosolembos excavatus</i> (Myers, 1975).....	258
<i>Globosolembos longispinosus</i> Ren, 2006.....	260
<i>Globosolembos ovatus</i> Myers, 1985.....	263
<i>Globosolembos springthorpei</i> sp. nov.	265
<i>Globosolembos varanus</i> sp. nov.	268
<i>Grandidierella</i> Coutière, 1904	271
<i>Grandidierella bonnieroides</i> Stephensen, 1947	271
<i>Grandidierella rhizophorae</i> sp. nov.	274
References.....	276
Bogidiellidae. By Charles Oliver Coleman	279
Abstract.....	279
Introduction.....	279
Material and Methods	279
<i>Xystriogidiella</i> Stock, 1984	279
<i>Xystriogidiella juliani</i> sp. nov.	279
<i>Xystriogidiella capricornea</i> Stock, 1984.....	282
References.....	284
Bolttsiidae. By B.A.R. Azman & J.K. Lowry	285
Abstract.....	285
Introduction.....	285
Material and Methods	285
<i>Bolttsia</i> Griffiths, 1976	286
<i>Bolttsia myersi</i> sp. nov.	286
References.....	289
Caprellidae. By José M. Guerra-García & J.K. Lowry	290
Abstract.....	290
Introduction.....	290
Material and Methods	290
Caprellinae	
<i>Aciconula</i> Mayer, 1903.....	291
<i>Aciconula australiensis</i> Guerra-García, 2004.....	291
<i>Caprella</i> Lamarck, 1801	293
<i>Caprella penantis</i> Leach, 1814.....	293
<i>Hemiaegina</i> Mayer, 1890	295
<i>Hemiaegina minuta</i> Mayer, 1890.....	295
<i>Metaprotella</i> Mayer, 1890.....	297
<i>Metaprotella sandalensis</i> Mayer, 1898	297
<i>Orthoprotella</i> Mayer, 1903.....	299
<i>Orthoprotella australis</i> (Haswell, 1880)	299
<i>Orthoprotella pearcei</i> Guerra-García, 2006	301
<i>Orthoprotella</i> sp.	304
<i>Paraprotella</i> Mayer, 1890	305
<i>Paraprotella</i> sp.	305
<i>Protella</i> Dana, 1852.....	307
<i>Protella similis</i> Mayer, 1903	307

<i>Pseudaeginella</i> Mayer, 1890	309
<i>Pseudaeginella biscayensis</i> (McCain, 1968).....	309
Phtisicinae	
<i>Jigurru</i> Guerra-García, 2006.....	311
<i>Jigurru vailhoggetti</i> Guerra-García, 2006	311
<i>Metaproto</i> Mayer, 1903	312
<i>Metaproto novaehollandiae</i> (Haswell, 1880)	312
<i>Perotripus</i> Doughty & Steinberg, 1953	315
<i>Perotripus keablei</i> Guerra-García, 2006.....	315
<i>Pseudoprellicana</i> Guerra-García, 2006	317
<i>Pseudoprellicana johnsoni</i> Guerra-García, 2006.....	317
<i>Pseudoproto</i> Mayer, 1903.....	319
<i>Pseudoproto fallax</i> Mayer, 1903.....	319
<i>Quadrisegmentum</i> Hirayama, 1988	321
<i>Quadrisegmentum lowryi</i> Guerra-García, 2006.....	321
<i>Quadrisegmentum triangulum</i> Hirayama, 1988.....	323
References.....	325
Ceinidae. By Charles Oliver Coleman	328
Abstract.....	328
Introduction.....	328
Material and Methods.....	328
<i>Ceina</i> Della Valle, 1893	328
<i>Ceina gerlachae</i> sp. nov.	328
References.....	332
Cheirocratidae. By Charles Oliver Coleman & James K. Lowry	333
Abstract.....	333
Introduction.....	333
Material and Methods.....	333
<i>Prosocratus</i> Barnard & Drummond, 1982	334
<i>Prosocratus carolinae</i> sp. nov.	334
References.....	337
Cheluridae. By Charles Oliver Coleman & Adina Renz	339
Abstract.....	339
Introduction.....	339
Material and Methods.....	339
<i>Tropichelura</i> J.L. Barnard, 1959	340
<i>Tropichelura insulae</i> (Calman, 1910).....	340
References.....	343
Chevaliidae. By Alan A. Myers	344
Abstract.....	344
Introduction.....	344
Material and Methods.....	344
<i>Chevalia</i> Walker, 1904.....	344
<i>Chevalia tenuis</i> sp. nov.	344
References.....	347
Colomastigidae. By Sara E. LeCroy	348
Abstract.....	348
Introduction.....	348
Material and Methods.....	349
<i>Colomastix</i> Grube, 1861	349
<i>Colomastix dentipalma</i> sp. nov.	349

<i>Colomastix japonica</i> Bulycheva, 1955	352
<i>Colomastix lunililo</i> J.L. Barnard, 1970.....	356
<i>Colomastix plumosa</i> Ledoyer, 1979	360
<i>Colomastix processa</i> sp. nov.	363
<i>Colomastix thomasi</i> sp. nov.	367
References.....	371
Corophiidae. By Alan A. Myers	373
Abstract.....	373
Introduction.....	373
Material and Methods.....	373
Corophiinae	
<i>Paracorophium</i> Stebbing, 1899	373
<i>Paracorophium nana</i> sp. nov.	373
Protomedeiinae	
<i>Pumiliophotis</i> gen. nov.	376
<i>Pumiliophotis queenslandicus</i> sp. nov.	376
References.....	379
Cyproideidae. By B.A.R. Azman	380
Abstract.....	380
Introduction.....	380
Material and Methods.....	380
<i>Cyproidea</i> Haswell, 1879	381
<i>Cyproidea cobia</i> sp. nov.	381
<i>Gbroidea</i> Lowry & Azman, 2008.....	385
<i>Gbroidea dingaalana</i> Lowry & Azman, 2008	385
<i>Narapheonoides</i> J.L. Barnard, 1972.....	388
<i>Narapheonoides lowryi</i> sp. nov.	388
References.....	391
Dexaminidae. By Alan A. Myers & Sara E. LeCroy	393
Abstract.....	393
Introduction.....	393
Material and Methods.....	394
<i>Dexaminoculus</i> Lowry, 1981	394
<i>Dexaminoculus grobbeni</i> (Spandl, 1923)	394
<i>Guernea</i> Chevreux, 1887	397
<i>Guernea ipilya</i> Thomas & Barnard, 1991	397
<i>Guernea yamminye</i> Thomas & Barnard, 1991	400
<i>Paradexamine</i> Stebbing, 1899	403
<i>Paradexamine aequiserrata</i> sp. nov.	403
<i>Paradexamine exilis</i> sp. nov.	406
<i>Paradexamine levitelson</i> sp. nov.	408
<i>Paradexamine massa</i> sp. nov.	411
<i>Paradexamine micronesica</i> Ledoyer, 1979	413
<i>Paradexamine quadratus</i> sp. nov.	415
<i>Paradexamine saxeta</i> sp. nov.	418
<i>Polycheria</i> Haswell, 1879.....	420
<i>Polycheria goanna</i> sp. nov.	420
References.....	423
Eusiridae. By Charles Oliver Coleman	425
Abstract.....	425
Introduction.....	425

Material and Methods.....	425
<i>Tethygeneia</i> J.L. Barnard, 1972.....	425
<i>Tethygeneia</i> aff. <i>pacifica</i> (Schellenberg, 1938).....	425
References.....	429
Exoedicerotidae. By L.E. Hughes	430
Abstract.....	430
Introduction.....	430
Material and Methods.....	430
<i>Parhalimedes</i> Chevreux, 1906.....	431
<i>Parhalimedes kychursti</i> sp. nov.	431
References.....	433
Hadziidae. By R.T. Springthorpe & J.K. Lowry	434
Abstract.....	434
Introduction.....	434
Material and Methods.....	434
<i>Dulzura</i> J.L. Barnard, 1969	434
<i>Dulzura taylorae</i> sp. nov.	435
References.....	439
Hyalidae. By Cristiana S. Serejo & Daniela J. Sittrop	440
Abstract.....	440
Introduction.....	440
Material and Methods.....	440
Hyacheliinae	
<i>Hyachelia</i> J.L. Barnard, 1967	441
<i>Hyachelia lowryi</i> sp. nov.	441
Hyalinae Bulycheva, 1957	444
<i>Lelehua</i> J.L. Barnard, 1970.....	444
<i>Lelehua myersi</i> sp. nov.	444
<i>Parhyale</i> Stebbing, 1897.....	447
<i>Parhyale hawaiiensis</i> (Dana, 1853)	447
References.....	451
Iciliidae. By J.K. Lowry & L.E. Hughes	453
Abstract.....	453
Introduction.....	453
Material and Methods.....	453
<i>Icilius</i> Dana, 1849.....	453
<i>Icilius caledoniana</i> Watson, Lowry & Steinberg, 2004	453
References.....	456
Iphimediidae. By Charles Oliver Coleman	458
Abstract.....	458
Introduction.....	458
Material and Methods.....	458
<i>Iphimedia</i> Rathke, 1843.....	459
<i>Iphimedia schminkei</i> sp. nov.	459
References.....	462
Ischyroceridae. By Jean Just	463
Abstract.....	463
Introduction.....	463
Material and Methods.....	463
Ischyrocerinae	
<i>Coxischyrocerus</i> gen. nov.	464

<i>Coxischyrocerus rhombocoxus</i> sp. nov.	464
<i>Tropischyrocerus</i> gen. nov.	466
<i>Tropischyrocerus pugilis</i> sp. nov.	466
Siphonoecetinae	
<i>Ambicholestes</i> Just, 1998	469
<i>Ambicholestes (Ambicholestes) magellani</i> (Just, 1984).....	469
<i>Cerapus</i> Say, 1817	470
<i>Cerapus nudus</i> sp. nov.	470
<i>Cerapus volucola</i> Lowry & Berents, 2005	473
<i>Erichthonius</i> Milne Edwards, 1830	475
<i>Erichthonius parabrasiliensis</i> sp. nov.	475
<i>Erichthonius pugnax</i> Dana, 1852.....	478
<i>Erichthonius tropicalis</i> sp. nov.	481
<i>Erichthonius</i> sp.	484
References.....	486
Kamakidae. By Alan A. Myers	487
Abstract.....	487
Introduction.....	487
Material and Methods	487
<i>Gammaropsella</i> gen. nov.	488
<i>Gammaropsella saepta</i> sp. nov.	488
<i>Kamaka</i> Derzhavin, 1923	490
<i>Kamaka silvana</i> sp. nov.	490
References.....	493
Leucothoidae. By Kristine N. White & James Darwin Thomas	494
Abstract.....	494
Introduction.....	494
Material and Methods	495
<i>Anamixis</i> Stebbing, 1897	495
<i>Anamixis bazimut</i> Thomas, 1997	495
<i>Leucothoe</i> Leach, 1814.....	498
<i>Leucothoe adelphe</i> sp. nov.	498
<i>Leucothoe bova</i> sp. nov.	501
<i>Leucothoe epidemos</i> sp. nov.	505
<i>Leucothoe eumilli</i> sp. nov.	508
<i>Leucothoe hipposideros</i> sp. nov.	511
<i>Leucothoe laevipalma</i> sp. nov.	515
<i>Leucothoe makrommatos</i> sp. nov.	518
<i>Leucothoe odontiskos</i> sp. nov.	521
<i>Leucothoe pollex</i> sp. nov.	525
<i>Leucothoe rudicula</i> sp. nov.	528
<i>Leucothoe serrata</i> sp. nov.	531
<i>Leucothoe sparsa</i> sp. nov.	535
<i>Leucothoe thula</i> sp. nov.	538
<i>Leucothoe undulata</i> sp. nov.	541
<i>Leucothoella</i> Schellenberg, 1928	544
<i>Leucothoella gracilis</i> Haswell, 1879	544
<i>Paranamixis</i> Schellenberg, 1928	548
<i>Paranamixis jiigurru</i> sp. nov.	548
Unknown leucomorph	551
References.....	554

Liljeborgiidae. By Charles Oliver Coleman	556
Abstract.....	556
Introduction.....	556
Material and Methods.....	556
<i>Liljeborgia</i> Bate, 1862.....	557
<i>Liljeborgia joergpeteri</i> sp. nov.	557
References.....	560
Lysianassidae. By J.K. Lowry & H.E. Stoddart	561
Abstract.....	561
Introduction.....	561
Material and Methods.....	562
Lysianassinae	
<i>Azotostoma</i> J.L. Barnard, 1965	562
<i>Azotostoma fusta</i> J.L. Barnard, 1965	562
<i>Pseudambasia</i> Stephensen, 1927	565
<i>Pseudambasia acuticaudata</i> (Ledoyer, 1984)	565
<i>Riwo</i> Lowry & Stoddart, 1995	568
<i>Riwo mizeui</i> Lowry & Stoddart, 1995.....	568
<i>Shoemakerella</i> Pirlot, 1936.....	571
<i>Shoemakerella barnardi</i> sp. nov.	571
<i>Waldeckia</i> Chevreux, 1906	575
<i>Waldeckia enoei</i> Stephensen, 1931.....	575
Tryphosinae Lowry & Stoddart, 1997	
<i>Paralysianopsis</i> Schellenberg, 1931	578
<i>Paralysianopsis padoz</i> Lowry & Stoddart, 1995	578
<i>Tryphosella</i> Bonnier, 1893.....	581
<i>Tryphosella bet</i> sp. nov.	581
<i>Tryphosella cameloides</i> sp. nov.	584
<i>Tryphosella charlottae</i> sp. nov.	587
<i>Tryphosella flynnana</i> sp. nov.	590
<i>Tryphosella seasana</i> sp. nov.	593
References.....	596
Maeridae, the <i>Ceradocus</i> group. By Traudl Krapp-Schickel.....	598
Abstract.....	598
Introduction.....	598
Material and Methods.....	598
<i>Austromaera</i> Lowry & Springthorpe, 2005.....	599
<i>Austromaera brevicaudata</i> (Ledoyer, 1984)	599
<i>Ceradocus</i> Costa, 1853.....	601
<i>Ceradocus crenatipalma</i> Ledoyer, 1979	601
<i>Ceradocus hawaiiensis</i> J.L. Barnard, 1955	603
<i>Ceradocus oxyodus</i> Berents, 1983.....	604
<i>Ceradocus</i> cf. <i>rubromaculatus</i> Stimpson, 1856	607
<i>Ceradocus woorea</i> Berents, 1983.....	610
<i>Ceradocus yandala</i> Berents, 1983.....	612
<i>Glossomaera</i> gen. nov.	614
<i>Glossomaera octodens</i> (Sivaprakasam, 1968).....	614
<i>Jerbarnia</i> Croker, 1971	617
<i>Jerbarnia stocki</i> Thomas & Barnard, 1990	617
<i>Linguimaera</i> Pirlot, 1936.....	620
<i>Linguimaera pirloti</i> Krapp-Schickel, 2003.....	620

<i>Maeropsis</i> Chevreux, 1919	622
<i>Maeropsis cobia</i> sp. nov.	622
<i>Maeropsis griffini</i> (Berents, 1983)	625
<i>Quadrimaera</i> Krapp-Schickel & Ruffo, 2000	627
<i>Quadrimaera pacifica</i> (Schellenberg, 1938)	627
<i>Quadrimaera quadrimana</i> (Dana, 1853)	629
<i>Quadrimaera</i> cf. <i>reishi</i> (J.L. Barnard, 1979)	631
<i>Quadrimaera serrata</i> (Schellenberg, 1938)	633
<i>Sauradocus</i> Yerman & Krapp-Schickel, 2008	636
<i>Sauradocus hobbit</i> Yerman & Krapp-Schickel sp. nov.	636
<i>Sauradocus minimarenius</i> Yerman & Krapp-Schickel sp. nov.	638
References.....	641
Maeridae, the <i>Elasmopus</i> group. By J.K. Lowry & L.E. Hughes	643
Abstract.....	643
Introduction.....	643
Material and Methods	643
<i>Elasmopus</i> Costa, 1853	645
<i>Elasmopus alalo</i> Myers, 1986	646
<i>Elasmopus crenulatus</i> Berents, 1983.....	649
<i>Elasmopus hooheno</i> J.L. Barnard, 1970	652
<i>Elasmopus pecteniscrus</i> (Bate, 1862)	656
<i>Elasmopus slatyeri</i> sp. nov.	659
<i>Elasmopus spinicarpus</i> Berents, 1983.....	663
<i>Elasmopus varanocephalensis</i> sp. nov.	666
<i>Mallacoota</i> J.L. Barnard, 1972	669
<i>Mallacoota balara</i> Berents, 1983	669
<i>Mallacoota capricornia</i> sp. nov.	673
<i>Mallacoota chandaniae</i> Lowry & Springthorpe, 2005.....	677
<i>Mallacoota nananui</i> Myers, 1985	680
<i>Mallacoota schellenbergi</i> Ledoyer, 1984	684
<i>Mallacoota scopulosa</i> sp. nov.	687
<i>Pareiasmopus</i> Stebbing, 1888	690
<i>Pareiasmopus cymatilis</i> sp. nov.	691
<i>Pareiasmopus suensis</i> (Haswell, 1879b)	695
References.....	699
Maxillipiidae. By Charles Oliver Coleman	703
Abstract.....	703
Introduction.....	703
Material and Methods	703
<i>Maxillipius</i> Ledoyer, 1973.....	704
<i>Maxillipius rectitelson</i> Ledoyer, 1973.....	704
References.....	707
Megaluropidae. By L.E. Hughes	708
Abstract.....	708
Introduction.....	708
Material and Methods	708
<i>Gibberosus</i> Thomas & Barnard, 1986.....	709
<i>Gibberosus udarus</i> sp. nov.	709
References.....	711
Melitidae, the <i>Eriopisella</i> group. By Michelle N. Yerman	713
Abstract.....	713

Introduction.....	713
Material and Methods.....	713
<i>Netamelita</i> J.L. Barnard, 1962	714
<i>Netamelita lacerta</i> sp. nov.	714
References.....	717
Melitidae, the <i>Melita</i> group. By J.K. Lowry & R.T. Springthorpe	718
Abstract.....	718
Introduction.....	718
Material and Methods.....	720
<i>Dulichella</i> Stout, 1912	720
<i>Dulichella pacifica</i> Lowry & Springthorpe, 2005.....	720
<i>Melita</i> Leach, 1814	723
<i>Melita myersi</i> G. Karaman, 1987	723
<i>Melita sampsonae</i> sp. nov.	726
<i>Tegano</i> Barnard & Karaman, 1982.....	730
<i>Tegano atkinsae</i> sp. nov.	730
References.....	734
Melphidippidae. By Charles Oliver Coleman	736
Abstract.....	736
Introduction.....	736
Material and Methods.....	736
<i>Melphisana</i> J.L. Barnard, 1962.....	737
<i>Melphisana madagascarensis</i> Ledoyer, 1984	737
References.....	740
Ochlesidae. By Charles Oliver Coleman	741
Abstract.....	741
Introduction.....	741
Material and Methods.....	741
<i>Ochlesis</i> Stebbing, 1910	742
<i>Ochlesis alii</i> J.L. Barnard, 1970	742
References.....	745
Oedicerotidae. By L.E. Hughes & J.K. Lowry	746
Abstract.....	746
Introduction.....	746
Material and Methods.....	746
<i>Aborolobatea</i> Ledoyer, 1984	747
<i>Aborolobatea insidiosa</i> sp. nov.	747
<i>Monoculodes</i> Stimpson, 1853	750
<i>Monoculodes tropicalis</i> sp. nov.	750
<i>Perioculodes</i> Sars, 1895	754
<i>Perioculodes talboti</i> sp. nov.	754
References.....	757
Paracalliopiidae. By L.E. Hughes	759
Abstract.....	759
Introduction.....	759
Material and Methods.....	759
<i>Doowia</i> Barnard & Drummond, 1987	759
<i>Doowia dexterae</i> Barnard & Drummond, 1987	759
<i>Yhi</i> Barnard & Thomas, 1991	762
<i>Yhi yindi</i> Barnard & Thomas, 1991	762
References.....	765

Phliantidae. By Charles Oliver Coleman	766
Abstract.....	766
Introduction.....	766
Material and Methods.....	766
<i>Pereionotus</i> Bate & Westwood, 1863	766
<i>Pereionotus thomsoni</i> Stebbing, 1899	766
References.....	770
Photidae. By Alan A. Myers	771
Abstract.....	771
Introduction.....	771
Material and Methods.....	771
<i>Gammaropsis</i> Liljeborg, 1855.....	771
<i>Gammaropsis hephaestis</i> sp. nov.	771
<i>Graciliphotis</i> gen. nov.	774
<i>Graciliphotis ruthae</i> sp. nov.	774
<i>Latigammaropsis</i> gen. nov.	777
<i>Latigammaropsis athenae</i> sp. nov.	777
<i>Latigammaropsis dionysus</i> sp. nov.	780
<i>Latigammaropsis hermes</i> sp. nov.	783
<i>Latigammaropsis hestia</i> sp. nov.	785
<i>Photis</i> Krøyer, 1842.....	788
<i>Photis aina</i> J.L. Barnard, 1970	788
<i>Photis davei</i> sp. nov.	790
<i>Photis pirloti</i> Myers, 1985	793
<i>Virgammaropsis</i> gen. nov.	795
<i>Virgammaropsis artemis</i> sp. nov.	796
References.....	798
Phoxocephalidae. By Joanne Taylor	800
Abstract.....	800
Introduction.....	800
Material and Methods.....	801
<i>Birubius</i> Barnard & Drummond, 1976.....	801
<i>Birubius banksi</i> sp. nov.	801
<i>Birubius batei</i> (Haswell, 1879).....	804
<i>Birubius casuarina</i> sp. nov.	807
<i>Birubius kingae</i> sp. nov.	810
<i>Birubius oti</i> sp. nov.	813
<i>Birubius parvus</i> sp. nov.	816
<i>Limnoporeia</i> Fearn-Wanan, 1968	819
<i>Limnoporeia cooki</i> sp. nov.	819
<i>Limnoporeia woorake</i> Barnard & Drummond, 1978	821
<i>Metaphoxus</i> Bonnier, 1896.....	824
<i>Metaphoxus varanas</i> sp. nov.	824
References.....	827
Platyischnopidae. By L.E. Hughes	828
Abstract.....	828
Introduction.....	828
Material and Methods.....	828
<i>Platyischnopus</i> Stebbing, 1888	828
<i>Platyischnopus mam</i> Barnard & Drummond, 1979.....	828
<i>Tomituka</i> Barnard & Drummond, 1979	832

<i>Tomituka eumilli</i> sp. nov.	832
References.....	835
Pleustidae. By Jean Just	836
Abstract.....	836
Introduction.....	836
Material and Methods.....	836
<i>Tepidopleustes</i> Karaman & Barnard, 1979.....	837
<i>Tepidopleustes acromatius</i> sp. nov.	837
References.....	840
Podoceridae. By Niamh M. Kilgallen	841
Abstract.....	841
Introduction.....	841
Material and Methods.....	841
<i>Podocerus</i> Leach, 1814	842
<i>Podocerus brasiliensis</i> (Dana, 1853).....	842
<i>Podocerus casuarinensis</i> sp. nov.	844
<i>Podocerus chelonophilus</i> (Chevreux & de Guerne, 1888)	848
<i>Podocerus crenulatus</i> Myers, 1985	850
<i>Podocerus laevis</i> (Haswell, 1885).....	853
<i>Podocerus talegus talegus</i> J.L. Barnard, 1965	853
<i>Podocerus uncinatus</i> sp. nov.	856
References.....	859
Sebidae. By Michelle N. Yerman & Charles Oliver Coleman	861
Abstract.....	861
Introduction.....	861
Material and Methods.....	861
<i>Seba</i> Bate, 1862	861
<i>Seba gruneri</i> sp. nov.	861
<i>Seba mariolgae</i> sp. nov.	865
<i>Seba zeumindi</i> sp. nov.	868
References.....	871
Stenothoidae. By Traudl Krapp-Schickel	872
Abstract.....	872
Introduction.....	872
Material and Methods.....	872
<i>Stenothoe</i> Dana, 1852	873
<i>Stenothoe miersi</i> (Haswell, 1879).....	873
<i>Wallametopa</i> J.L. Barnard, 1974	875
<i>Wallametopa cabon</i> J.L. Barnard, 1974	875
References.....	878
Synopiidae. By L.E. Hughes	880
Abstract.....	880
Introduction.....	880
Material and Methods.....	880
<i>Synopia</i> Dana, 1852	881
<i>Synopia ultramarina</i> Dana, 1853	881
<i>Syrrhoe</i> Goës, 1866	884
<i>Syrrhoe petitaserrata</i> sp. nov.	884
<i>Telsosynopia</i> G. Karaman, 1986.....	887
<i>Telsosynopia trifidilla</i> Hughes & Lowry, 2006.....	887
References.....	890

Talitridae. By Cristiana S. Serejo	892
Abstract.....	892
Introduction.....	892
Material and Methods	892
<i>Chelorchestia</i> Bousfield, 1984	893
<i>Chelorchestia limicola</i> (Haswell, 1880).....	893
<i>Talorchestia</i> Dana, 1852	896
<i>Talorchestia spinipalma</i> Dana, 1852	897
<i>Talorchestia terraereginae</i> Haswell, 1880	900
References.....	902
Unciolidae. By Alan A. Myers	904
Abstract.....	904
Introduction.....	904
Material and Methods	904
<i>Wombalano</i> Thomas & Barnard, 1991	904
<i>Wombalano yerang</i> Thomas & Barnard, 1991	904
References.....	907
Uristidae. By J.K. Lowry & H.E. Stoddart	908
Abstract.....	908
Introduction.....	908
Material and Methods	908
<i>Ichnopus</i> Costa 1853	909
<i>Ichnopus capricornus</i> Lowry & Stoddart, 1992	909
<i>Ichnopus tenuicornis</i> (Haswell, 1879).....	912
<i>Nagada</i> Lowry & Stoddart 1995	915
<i>Nagada uwedoae</i> Lowry & Stoddart, 1995	915
References.....	918
Urohaustoriidae. By Niamh M. Kilgallen	919
Abstract.....	919
Introduction.....	919
Material and Methods	919
<i>Tottungus</i> Barnard & Drummond, 1982.....	920
<i>Tottungus solivagus</i> sp. nov.	920
<i>Urohaustorius</i> Sheard, 1936.....	922
<i>Urohaustorius drummondiae</i> sp. nov.	922
References.....	926
Wandinidae. By J.K. Lowry & H.E. Stoddart	927
Abstract.....	927
Introduction.....	927
Material and Methods	927
<i>Wandin</i> Lowry & Stoddart, 1990.....	927
<i>Wandin griffini</i> Lowry & Stoddart, 1990	927
References.....	930