

2002 TAFI Publications

Adams, MB, Ellard, K*, Nowak, BF, 'Histopathology of amoebic gill disease (AGD) in Atlantic salmon (*Salmo salar* L.)', *Program and Abstracts for the Annual Scientific Meeting of the Australian Society for Parasitology Inc.*, Hadley Hotel, Hobart, Tasmania, 12 (2002) [F3]

Adams, MB, Ellard, K*, Nowak, BF, 'Sequential pathology and gross lesion histopathology of ameobic gill disease (AGD) in farmed Atlantic salmon *Salmo salar* L', *The Second Scientific Conference of the Atlantic Salmon Aquaculture Subprogram Handbook*, Hobart, Tasmania, 14 (2002) [F3]

Andrew, NL*, Agatsuma, Y*, Ballesteros, E*, Bazhin, AG*, Creaser, EP*, Barnes, DKA*, Botsford, LW*, Bradbury, A*, Campbell, A*, Dixon, JD*, Einarsson, S*, Gerring, PK*, Herbert, K*, Hunter, M*, Hur, SR*, Johnson, CR, Juinio-Menez, MA*, Kalvass, P*, Miller, RJ*, Moreno, CA*, Palleiro, JS*, Rivas, D*, Robinson, SML*, Schroeter, SC*, Steneck, RS*, Vadas, RL*, Woodby, DA*, Xiaoqi, Z*, 'Status and Management of World Sea Urchin Fisheries', *Oceanography and Marine Biology* (40) 343-425 (2002) [A1]

Arnould, JPY*, Hindell, MA, 'Milk composition, body composition and pre-weaning growth rates of Australian fur seal (*Arctocephalus pusillus doriferus*) pups', *Journal of Zoology* (256) 351-359 (2002) [A1]

Bagley, CA, Hayball, J*, Lyons, B*, Nowak, BF, Crosbie, PBB, 'Use of flow cytometry to screen chemotherapeutants with portential to control of *Neoparamoeba pemaquidensis* infection in Atlantic salmon, *Salmo salar*', *Australasian Flow Cytometry Group 25th Annual Scientific Meeting Programme and Abstract Booklet*, Hobart. Tasmania (2002) [F3]

Barrett, NS, 'Baseline biological surveys of Bathurst Channel, Port Davey', *ABC National News*, ABC, Australia, November 2002 (2002) [O3]

Barrett, NS, Buxton, CD, 'Examining underwater visual census techniques for the assessment of population structure and biodiveristy in temperate coastal marine protected areas', *Tasmanian Aquaculture and Fisheries Institute Technical Report Series 11*, Hobart, Tasmania, 1-114 (2002) [F4]

Barrett, NS, Edgar, GJ, Morton, AJ, *Monitoring of Tasmania Inshore Reef Ecosystems. An assessment of the potential for volunteer monitoring programs and summary of change within the Maria Island Marine Reserve from 1992-2002*, Fisheries Research and Development Corporation, 10 (2002) [I1]

Battaglone, SC, 'Can tropical sea cucumber stocks be restored through release of hatchery produced juveniles?', *Protected Zone Joint Authority Torres Strait Beche-de-mer Assessment Group Workshop Abstract*, Thursday Island, Queensland, 9 (2002) [F3]

Battaglone, SC, 'FRDC Subprogram leaders report - Atlantic salmon aquaculture', *FRDC R&D News*, Fisheries Research and Development Corporation, Canberra, Australia, 10, 4 (2002) [O2]

Battaglone, SC, 'Recent Progress in the Development of New Species for Marine Finfish Farming in Southern Australia', *Aquafest Australia 2002 - Conference Handbook*, Hobart, Tasmania, 14 (2002) [F3]

- Battaglione, SC, Bransden, MP, Shaw, GW, 'New developments in striped trumpeter *Latris lineata* culture', *Aquafin CRC Conference Abstract*, Wrest Point Convention Centre, Hobart, Australia, 22-22 (2002) [F3]
- Battaglione, SC, Brown, M*, Pankhurst, PM, 'The Development of Marine Fin-Fish Farming in Tasmania', *Snapper Workshop Conference Proceedings*, Melbourne, Australia, 44-50 (2002) [F2]
- Battaglione, SC, Cobcroft, JM, 'Salmon Snippets', *Salmon Snippets. Atlantic Salmon Aquaculture and Subprogram Newsletter*, Atlantic Salmon Aquaculture Subprogram, Hobart, Tasmania, **2**, 1 (2002) [O4]
- Battaglione, SC, Cobcroft, JM, 'Salmon Snippets', *Salmon Snippets. Atlantic Salmon Aquaculture Subprogram*, Atlantic Salmon Aquaculture Subprogram, Hobart, Tasmania, **2**, 2 (2002) [O4]
- Battaglione, SC, Cobcroft, JM, 'Second Scientific Conference of the Atlantic Salmon Aquaculture Subprogram - Handbook', *Edited conference proceedings. Second Scientific Conference of the ASAS - Handbook*, CSIRO, Marine Laboratories, Hobart, 84 (2002) [F4]
- Battaglione, SC, Morehead, DT, Nichols, PD*, Brown, M*, Carson, J, 'Why are Striped Trumpeter (*Latris lineata*) Larvae so Difficult to Culture - Is it Lipid Nutrition?', *26th Annual Larval Fish Conference Abstract*, Bergen, Norway, 33 (2002) [F3]
- Battaglione, SC, Purcell, S*, 'Tropical Sea Cucumber Aquaculture Commodity Profile', *Proceedings of the Building Capacity for Aquaculture in the Pacific, SPC Aquaculture Workshop*, Univeristy of the South Pacific, Fiji, 3 (2002) [F3]
- Battaglione, SC, Seymour, EJ*, Ramofafia, C*, Lane, I*, 'Spawning induction of three tropical sea cucumbers, *Holothuria scabra*, *H. fuscogilva* and *Actinopyga mauritiana*', *Aquaculture*, **207** (1-2) 29-47 (2002) [A1]
- Bermudes, MFM, 'Environmental physiology of cultured early-stage southern rock lobster (*Jasus edwardsii* Hutton, 1875) larvae' (2002) [M3]
- Bermudes, MFM, 'Latest on culture conditions for the propagation of the southern rock lobster', *Austasia Aquaculture*, **16** (5) 56-57 (2002) [A3]
- Bermudes, MFM, Ritar, AJ, 'The ups and downs of phyllosoma culture', *Fishing Today*, **15** (4) 16-18 (2002) [A3]
- Bissett, AP, Burke, CM, Bowman, JP, 'Microbial Ecology of Fish Farm Sediments', *Australian Society of Microbiology Conference*, Melbourne, Australia, 1 (2002) [F3]
- Bissett, AP, Burke, CM, Bowman, JP, 'Microbial Ecology of Fish Farm Sediments', *Aquafin CRC Conference*, Hobart, Tasmania, Australia, 1 (2002) [F3]
- Bissett, AP, Burke, CM, Bowman, JP, 'Temporal changes in sedimentary microbial communities underlying salmon farms', *Aquafest Conference*, Hobart, Tasmania, Australia, 1 (2002) [F3]

Bolch, CJS, Reynolds, MJ, 'Species resolution and global distribution of microreticulate dinoflagellate cysts', *Journal of Plankton Research*, **24** (6) 13 (2002) [A1]

Bradshaw, CJA, Davis, LS*, Purvis, M*, Zhou, Q*, Benwell, GL*, 'Using artificial neural networks to model the suitability of coastline for breeding by New Zealand fur seals (*Arctocephalus forsteri*)', *Ecological Modelling* (148) 111-131 (2002) [A1]

Bradshaw, CJA, Hindell, MA, Michael, KJ, Sumner, MD, 'The optimal spatial scale for the analysis of elephant seal foraging as determined by geo-location in relation to sea surface temperatures', *ICES Journal of Marine Science* (59) 770-781 (2002) [A1]

Bradshaw, CJA, McMahon, CR*, Hindell, MA, Pistorious, PA*, Bester, MN*, 'Do southern elephant seals show density dependence in fecundity?', *Polar Biology* (25) 650-655 (2002) [A1]

Bridle, AR, Crosbie, PBB, Morrison, RN, Kwang, J*, Nowak, BF, 'The immuno-adjuvant effect of carp interleukin-1 beta on the humoral immune response of barramundi, *Lates calcarifer* (Bloch)', *Journal of Fish Diseases*, **25** 429-432 (2002) [A1]

Brouwer, SL*, Buxton, CD, 'Catch and Effort of the Shore and Skiboard Linefisheries Along the South African Eastern Cape Coast', *South African Journal of Marine Science*, **24** 341-354 (2002) [A1]

Buxton, CD, 'TAFI News - Research Review and RAG Meetings', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 5 (2002) [O2]

Buxton, CD, 'TAFI News', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **14**, 6 (2002) [O2]

Carter, CG, 'Nutritional physiology of fish at high temperatures', *Aquafest Australia 2002, Conference Handbook*, Hobart, Tasmania, 29 (2002) [F3]

Carter, CG, Bransden, MP, Lewis, T, Nichols, PD*, 'Fish oil replacement in feeds for Tasmanian grown Atlantic salmon, *Salmo salar*', *Feeding for Quality: 10th International Symposium on Nutrition and Feeding in Fish*, Rhodes, Greece, 34 (2002) [F3]

Carter, CG, Hauler, RC, Foster, C*, *Aquaculture feed development for Atlantic Salmon Salmo salar*, Fisheries Research and Development Corporation, 1 (2002) [I1]

Chen, WM, Purser, GJ, Blyth, PJ*, 'A waste pellet monitoring system for detection of feeding rhythms in fish: continuously quantifying actual feed intake without disturbance', *Proceeding of International Commemorative Symposium*, Tokyo, Japan, 943-946 (2002) [F4]

Cheshuk, B, 'Appendage Damage in Harvested Tasmanian Southern Rock Lobster (*Jasus edwardsii*)', *TAFI Internal Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania (2002) [O5]

Cheshuk, B, Phillips, A, 'The September Rock Lobster Fishery', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 1 (2002) [O2]

- Clark, GA, 'Efficacy and side effects of freshwater bathing as a treatment for amoebic gill disease: implications of water chemistry and bath duration' (2002) [M1]
- Cleary, JJ, Battaglione, SC, Pankhurst, NW, 'Capture and handling stress affects the endocrine and ovulatory response to exogenous hormone treatment in snapper, *Pagrus auratus* (Bloch & Schneider)', *Aquaculture Research*, **33** (11) 829-838 (2002) [A1]
- Cobcroft, JM, 'Aspects of the morphological development and feeding performance of larval striped trumpeter (*Latris lineata*) in culture' (2002) [M3]
- Cobcroft, JM, 'PhD graduation of UTas Cuthbertson scholarship holder, and striped trumpeter research at TAFI', *ABC Radio, Hobart - Annie Warburton*, ABC, Hobart, Tasmania, 21 August 2002 (2002) [O3]
- Cobcroft, JM, Pankhurst, PM, Poortenaar, C*, Hickman, B*, Tait, M*, Redfern, P*, Moss, G*, Allen, S*, 'Description of jaw malformations in cultured kingfish larvae', *NIWA Client Report*, National Institute of Water and Atmospheric Research Ltd, New Zealand, June 2002 (2002) [O5]
- Conod, N, Bartlett, JP*, Evans, BS, Elliott, NG*, 'Comparison of mitochondrial and nuclear DNA analyses of population structure in blacklip abalone *Haliotis rubra* Leach', *Marine and Freshwater Research*, **2002** (4) 711-718 (2002) [A1]
- Crawford, C, MacLeod, C, Mitchell, I, *Evaluation of techniques for environmental monitoring of salmon farms in Tasmania*, Department of Primary Industry Water and Environment (2002) [I1]
- Crear, BJ, 'Propagation of rock lobsters: An overview', *Proceedings of the Fourth Annual Meeting of the Rock Lobster Enhancement and Aquaculture Subprogram Workshop*, Cairns, Australia, 34-35 (2002) [F3]
- Crear, BJ, Allen, GW, *Guide for the Rock Lobster Industry No. 1. Optimising Water Quality*, Rock Lobster Post-Harvest Subprogram. Fisheries Research Development Corporation (2002) [I1]
- Crear, BJ, Forteach, GNR, 'Feeding has the largest effect on the ammonia excretion rate of the southern rock lobster, *Jasus edwardsii*, and the western rock lobster, *Panulirus cygnus*', *Aquacultural Engineering*, **26** (4) 239-250 (2002) [A1]
- Crear, BJ, Hart, PR, Thomas, CW, Barclay, M*, 'Evaluation of Commercial Shrimp Grow-Out Pellets as Diets for Juvenile Southern Rock Lobster, *Jasus edwardsii*: Influence on Growth, Survival, Color, and Biochemical Composition', *Journal of Applied Aquaculture*, **12** (3) 43-57 (2002) [A1]
- Crear, BJ, Powell, MD, 'Optimising water quality in rock lobster post-harvest processes', *Proceedings of the Fourth Annual Meeting of the Rock Lobster Enhancement and Aquaculture Subprogram Workshop*, Cairns, Australia, 81-84 (2002) [F2]
- Crosbie, PBB, Carson, J, Nowak, BF, 'Detection of *Neioparamoeba pemaquidensis* in marine sediments in Tasmania', *Program and Abstracts for the Annual Scientific Meeting of the Australian Society for Parasitology Inc.*, Hadley Hotel, Hobart, Tasmania, 12 (2002) [F3]

Crosbie, PBB, Nowak, BF, 'Production of polyclonal antisera against barramundi (*Lates calcarifer* Bloch) serum immunoglobulin derived from affinity columns containing mannan-binding protein or staphylococcal protein A', *Aquaculture*, **211** 49-63 (2002) [A1]

Daglish, RW, Nowak, BF, 'Rainbow trout gills are a sensitive biomarker of short-term exposure to waterborne copper', *Archives of Environmental Contamination and Toxicology*, **43** 98-102 (2002) [A1]

Daglish, RW, Nowak, BF, Lewis, TW, 'CU/N ratios in the gills of rainbow trout provide evidence of copper exposure under conditions of mixed metal exposure', *Interact 2002 Program and Abstracts*, Sydney, Australia, 184 (2002) [F3]

Davies, PE*, Crawford, C, Wells, FA*, Dunstan, PK, Mitchell, I, *Environmental Flow Assessment of the Lower Coal River and Pitt Water Estuary*, Department of Primary Industry Water and Environment (2002) [I2]

Douglas-Helders, GM, Dawson, DR, Carson, J, Nowak, BF, 'Wild fish are not a significant reservoir for *Neoparamoeba pemaquidensis* (Page, 1987)', *Journal of Fish Diseases*, **25** 569-574 (2002) [A1]

Downes, BJ*, Barmuta, LA, Fairweather, PG*, Faith, DP*, Keough, MJ*, Lake, PS*, Mapstone, BD*, Quinn, GP*, *Monitoring Ecology Impacts : Concepts and practice in flowing waters*, Cambridge University Press, Cambridge, 434 (2002) [B1]

Dunstan, PK, 'Spatial self-organising as an important determinant of community dynamics in a temperate marine epibenthic community' (2002) [M3]

Edgar, GJ, Barrett, NS, 'Benthic macrofauna in Tasmanian estuaries: scales of distribution and relationships with environmental variables', *Journal of Experimental Marine Biology and Ecology*, **270** (1) 1-24 (2002) [A1]

Engin, K*, Carter, CG, 'Fish meal replacement by plant and animal by-products in diets for the Australian short-finned eel, *Anguilla australis australis* (Richardson)', *Feeding for Quality: 10th International Symposium on Nutrition and Feeding in Fish*, Rhodes, Greece, 34 (2002) [F3]

Engin, K, Carter, CG, 'Ingredient apparent digestibility coefficients for the Australian short-finned eel (*Anguilla australis*, Richardson)', *Animal Science*, **75** 401-413 (2002) [A1]

Evans, K, Hindell, MA, Robertson, K*, Lockyear, C*, Rice, D*, 'Factors affecting the precision of age determination of sperm whales (*Physeter macrocephalus*)', *Journal of Cetacean Research and Management*, **4** (2) 1-9 (2002) [A1]

Evans, K, Morrice, MG, Hindell, MA, Thiele, D*, 'Three mass stragings of sperm whales (*Physeter macrocephalus*)', *Marine Mammal Science*, **18** (3) 622-643 (2002) [A1]

Ewing, G, Buxton, CD, 'Not all wrasses are created equal - why we should distinguish our catch', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 1 (2002) [O2]

- Field, I, Bradshaw, CJA, McMahon, CR*, Harrington, J, Burton, HR*, 'Effects of age size and condition of elephant seals (*Mirounga leonina*) on their intravenous anaesthesia with tiletamine and zolazepam', *Veterinary Record* (151) 235-240 (2002) [A1]
- Fielder, DS, Bardsley, WJ*, Allan, GL*, Pankhurst, PM, 'Effect of photoperiod on growth and survival of snapper *Pagrus auratus* larvae', *Aquaculture*, **211** (xxxx) 135-150 (2002) [A1]
- Fisk, DM*, Powell, MD, Nowak, BF, 'The effect of amoebic gill disease and hypoxia on survival and metabolic rate of Atlantic salmon *Salmo salar*', *Bulletin of the European Association of Fish Pathologists*, **22** (3) 190-194 (2002) [A1]
- Forward, J, Lyle, J, 'A Survey of the 2000/01 Tasmanian Recreational Rock Lobster Fishery and Options for Future Assessment', *MRFC Final Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania (2002) [O5]
- Forward, J, Lyle, J, 'The 2000/01 recreational rock lobster fishery', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 3 (2002) [O2]
- Frusher, SD, Gardner, C, Eaton, L, Bradshaw, M, Semmens, JM, Mills, D, Mackinnon, CJ, Ibbott, SJ, Fava, S, Cohen, PJ, Harrington, J, Hyndes, TJ, 'Research Excellence Grants Scheme', *Faculty of Science, Engineering and Technology*, University of Tasmania, March 2002 (2002) [O6]
- Frusher, SD, Gardner, C, Mills, D, 'Purchase of an Underwater Infra-Red Video System', *Ian Potter Foundation Final Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania (2002) [O5]
- Fulton, EA, 'The effects of model structure and complexity on the behaviour and performance of marine ecosystem models' (2002) [M3]
- Gardner, C, 'Quantification of shell hardness in southern rock lobster', *The Lobster News*, Fisheries Research and Development Corporation, Perth, WA, **4**, 3 (2002) [O2]
- Gardner, C, 'TAFI Release Juveniles Onto Reef', *Lob ReLEASE*, Fisheries Research and Development Corporation, Brisbane, Australia, **1**, 3 (2002) [O2]
- Gardner, C, Frusher, SD, Eaton, L, Haddon, M, Mackinnon, CJ, 'Tasmanian Rock Lobster Fishery 2000/2001', *Fishery Assessment Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania (2002) [O5]
- Gardner, C, Frusher, SD, Eaton, L, Haddon, M, Mackinnon, CJ, 'The 2000/2001 rock lobster assessment', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 2 (2002) [O2]
- Gardner, C, Jenkinson, A*, Heijnis, H*, 'Estimating Intermolt Duration in Giant Crabs (*Pseudocarcinus gigas*)', *Crabs in Cold Water Regions: Biology, Management, and Economics*, Alaska Sea Grant, A. J. Paul (ed), Alaska, 17-28 (2002) [C1]

Gardner, C, Mackinnon, CJ, 'Tasmanian Giant Crab Fishery 2000/2001', *Fishery Assessment Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania, March 2002 (2002) [O5]

Gardner, C, Mills, D, 'Capturing them on video cameras: Rock lobster in Tasmania', *R&D News*, Fisheries Research and Development Corporation, Canberra, Australia, **10**, 2 (2002) [O2]

Gardner, C, Mills, D, Oliver, M*, Stewart, R*, MacDiarmid, A*, 'Progress in southern rock lobster reseeded research', *Developments in Rock Lobster Enhancement, Aquaculture and Post Harvest Practices*, Cairns, Australia, 23-26 (2002) [F3]

Gardner, C, Williams, H*, 'Maturation in the male giant crab, *Pseudocarcinus gigas*, and the potential for sperm limitation in the Tasmanian fishery', *Marine and Freshwater Research*, **53** 661-667 (2002) [A1]

Glencross, B*, Carter, CG, Gunn, J*, van Barneveld, R*, Rough, K*, Clarke, S*, 'Southern Bluefin Tuna, *Thunnus maccoyii*', *Nutrient Requirements and Feeding of Finfish for Aquaculture*, CABI Publishing, C.D Webster and C Lim (ed), Wallingford, UK, 159-171 (2002) [C1]

Glencross, BD*, Clarke, SM*, Buchanan, JG*, Carter, CG, van Barneveld, RJ*, 'Temporal growth patterns of farmed juvenile southern bluefin tuna, *Thunnus maccoyii* (Castelnau) fed moist pellets', *Journal of the World Aquaculture Society*, **33** (2) 138-145 (2002) [A1]

Gowland, FC*, Moltschaniwskyj, NA, Steer, MA, 'Description and quantification of developmental abnormalities in a natural *Sepioteuthis australis* spawning population (Mollusca: Cephalopoda)', *Marine Ecology Progress Series*, **243** 133-141 (2002) [A1]

Grubert, MA, Ritar, AJ, 'Abalone broodstock conditioning system at TAFI MRL', *Austasia Aquaculture*, **16** (3) 29-36 (2002) [A3]

Grubert, MA, Ritar, AJ, 'Estimation of the biological zero point of blacklip (*Haliotis rubra*) and greenlip (*H. laevigata*) abalone', *Proceedings of the 9th Annual Abalone Aquaculture Workshop*, Queenscliff, Victoria, 63-75 (2002) [F2]

Haddon, M, Semmens, JM, *Bass Strait Central Zone Scallop Survey*, Australian Fisheries Management Authority (2002) [I2]

Halley, VL, Lawler, MM, 'Exposing the Sea Floor with GIS', *ArcNews*, Environmental Systems Research Institute, Redlands, California, **24**, 2 (2002) [O2]

Handler, JH, Munday, BL, Pyecroft, S, Gardner, C, 'Health assurance for southern rock lobsters (*Jasus edwardsii*)', *Development in Rock Lobster Enhancement, Aquaculture and Post Harvest Practices*, Cairns, Australia, 19-22 (2002) [F3]

Hansen, B, Richardson, AMM, 'Geographic ranges, sympatry and the influence of environmental factors on the distribution of species of an endemic Tasmanian freshwater crayfish', *Invertebrate Systematics* (16) 621-629 (2002) [A1]

Harcourt, RG*, Bradshaw, CJA, Dickson, K*, Davis, LS*, 'Foraging ecology of a generalist predator, the female New Zealand fur seal', *Marine Ecology Progress Series* (227) 11-24 (2002) [A1]

Harrington, J, Semmens, JM, 'The Maori octopus and its impact on the Tasmanian Rock Lobster Fishery', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 3 (2002) [O2]

Hauler, R*, Carter, CG, Attard, M, Xifu, H, 'Performance of Atlantic salmon under Tasmanian summer water temperatures', *Aquafest Australia 2002, Conference Handbook*, Hobart, Tasmania, 46 (2002) [F3]

Hawkesford, T*, Carson, J*, Burke, CM, Munday, BL, Oakey, J*, 'Tasmanian Isolates of *Streptococcus* sp. biovar 1 and verified strains of *Lactococcus garvieae* and *Enterococcus seriolicida* compared by microbiological, molecular biological and 'in vivo' techniques', *Healthy Wealthy and Wise*, Surfers Paradise, QLD, Australia, 115 (2002) [F3]

Heidel, JR*, Nowak, BF, Fischer, KA*, Wataral, VG*, Kent, ML*, 'Visceral nodular cartilaginous metaplasia in rockfishes (*Sebastes* spp.) in the eastern North Pacific Ocean', *Journal of Veterinary Diagnostic Investigation*, **14** 495-497 (2002) [A1]

Hindell, MA, 'Breeding sites', *Encyclopedia of Marine Mammals*, Academic Press, William F. Perrin, Bernd Wursig, JGM Thewissen (ed), California, 169-171 (2002) [C1]

Hindell, MA, 'Elephant seals', *Encyclopedia of Marine Mammals*, Academic Press, William F. Perrin, Bernd Wursig, JGM Thewissen (ed), California, 370-373 (2002) [C1]

Hindell, MA, Harcourt, RG*, Waas, JR*, Thompson, D*, 'Fine-scale three-dimensional spatial use by diving, lactating female Weddell seal *Leptonychotes weddellii*', *Marine Ecology Progress Series* (242) 275-284 (2002) [A1]

Hughes, TP*, Baird, AH*, Dinsdale, EA*, Harriott, VJ*, Moltschaniwskyj, NA, Pratchett, MS*, Tanner, JE*, Willis, BL*, 'Detecting regional variation using meta-analysis and large-scale sampling: latitudinal patterns in recruitment', *Ecology*, **83** (2) 436-451 (2002) [A1]

Ibbott, SJ, Gardner, C, 'Looking at macroalgae habitat change in Tasmania and its effect on lobster settlement', *Lobster Newsletter*, Fisheries and Oceans, Canada and Florida. Department of Environmental Protection, USA, USA, **15**, 1 (2002) [O2]

Jackson, GD, Moltschaniwskyj, NA, 'Spatial and temporal variation in growth rates and maturity in the Indo-Pacific squid *Sepioteuthis lessoniana* (Cephalopoda: Loliginidae)', *Marine Biology*, **140** 747-754 (2002) [A1]

Johnson, CR, Boerlijst, MC*, 'Selection at the level of the community: the importance of spatial structure', *Trends in Ecology & Evolution*, **17** (2) 83-90 (2002) [A1]

Johnson, CR, Seinen, I*, 'Selection for restraint in competitive ability in spatial competition systems', *Proceedings of the Royal Society of London Series B - Biological Sciences* (269) 655-663 (2002) [A1]

Johnston, DJ, Lourey, MJ, Van Tien, D*, Luu, TT*, Xuan, TT*, 'Water quality and plankton densities in mixed shrimp-mangrove forestry farming systems in Vietnam', *Aquaculture Research*, **33** 785-798 (2002) [A1]

Johnston, DJ, Ritar, AJ, Thomas, CW, 'Digestive capabilities of Spiny Lobster (*Jasus edwardsii*) phyllosoma', *Proceedings of the Fourth Annual Meeting of the Rock Lobster Enhancement and Aquaculture Subprogram Workshop*, Cairns, Australia, 43-49 (2002) [F2]

Johnston, DJ, Ritar, AJ, Thomas, CW, 'Digestive capabilities of Spiny Lobster (*Jasus edwardsii*) phyllosoma', *Proceedings of the Fourth Annual Meeting of the Rock Lobster Enhancement and Aquaculture Subprogram Workshop*, Cairns, Australia, 43-49 (2002) [F2]

Jordan, AR, Doole, J*, Archer, L*, Lawler, MM, Halley, VL, Sanderson, JC, *Assessment of nutrients and habitats in North West Bay - supporting sustainable management*, Natural Heritage Trust (2002) [I1]

Jordan, AR, Lawler, MM, Halley, VL, Barrett, NS, 'Habitat mapping in the Kent Group of Islands', *TAFI Internal Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania, November 2002 (2002) [O5]

Lea, MA, Bonadonna, F*, Hindell, MA, Guinet, C*, Goldsworthy, SD*, 'Drinking behaviour and water turnover rates of Antarctic fur seal pups: implications for the estimation of milk intake by isotopic dilution', *Comparative Biochemistry and Physiology A - Molecular and Integrative Physiology* (132) 321-331 (2002) [A1]

Lea, MA, Hindell, MA, Guinet, C*, Goldsworthy, SD*, 'Variability in the diving activity of Antarctic fur seals, *Arctocephalus gazella*, at Iles Kerguelen', *Polar Biology* (25) 269-279 (2002) [A1]

Lewis, TT, Nichols, PD*, Battaglione, SC, Morehead, DT, McMeekin, TA, 'Polyunsaturated fatty acids from bacteria and thraustochytrids: production and use to enrich rotifers and fish larvae', *Conference Abstracts 26th Annual Larval Fish Conference*, Bergen, Norway, 74 (2002) [F3]

Lleonart, M, Handler, JH, Powell, MD, 'Treatment of spionid mud worm (*Boccardia knoxi* Rainer) infestation of cultured abalone', *Aquaculture*, **217** 1-10 (2002) [A1]

Lyle, J, Coleman, APM*, West, L*, Campbell, D*, Henry, GW*, 'New Large-Scale Survey Methods for Evaluating Sport Fisheries', *Recreational Fisheries: Ecological, Economic and Social Evaluation*, Blackwell Science, T.J. Pitcher and C. Hollingworth (ed), Oxford, 207-226 (2002) [C1]

Lyle, J, Forward, J, Morton, AJ, 'Species and Size Composition of Recreational Catches Based on 2000/2001 Creel Surveys', *TAFI Internal Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania (2002) [O5]

Lyle, J, Hodgson, K, '2001 Scalefish Fishery Assessment summary', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 4 (2002) [O2]

- Lyle, J, Hodgson, K, 'Tasmanian Scalefish Fishery - 2001', *Fishery Assessment Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania (2002) [O5]
- Mackinnon, CJ, Frusher, SD, 'Rock Lobster Exploitation and Biomass Estimation', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 3 (2002) [O2]
- MacLeod, C, Mitchell, I, Crawford, C, Connell, RD, *Evaluation of Sediment Recovery after Removal of Finfish Cages from Marine Farm Lease No. 76 (Gunpowder Jetty), North West Bay*, Department of Primary Industry Water and Environment (2002) [I1]
- McMahon, C*, Hindell, MA, Dorr, T, Massom, RA*, 'Winter distribution and abundance of crabeater seals off George V Land, East Antarctica', *Antarctic Science*, **14** (2) 128-133 (2002) [A1]
- Mills, D, Gardner, C, Oliver, M*, 'Lobster survival assessment turns to high-tech surveillance', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 4 (2002) [O2]
- Mitchell, I, Lawler, MM, Jordan, AR, 'Environmental Assessment of Proposed Marine Farming Region at Electrona Wharf, North West Bay', *TAFI Zone Assessment Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania, August 2002 (2002) [O5]
- Morehead, DT, 'Striped trumpeter and rock lobster research at TAFI', *Nexus (ABC TV - Asia)*, ABC, Asia, August 2002 (2002) [O3]
- Morehead, DT, Battaglione, SC, Handlinger, JH, Munday, BL, 'A Bug in the System - Nodavirus', *Aquafest Australia 2002 - Conference Handbook*, Wrest Point Convention Centre, Hobart, Australia, 64 (2002) [F3]
- Morrison, RN, Hayball, JD*, Cook, MT*, Nowak, BF, 'Anti-immunoglobulin binding and activation of snapper (*Pagrus auratus*) leucocytes', *Developmental & Comparative Immunology*, **26** 247-255 (2002) [A1]
- Morrison, RN, Nowak, BF, 'The antibody response of teleost fish', *Seminars in Avian and Exotic Pet Medicine*, **11** (1) 46-54 (2002) [A1]
- Munday, BL, Stewart, NJ, Sodergren, A*, 'Accumulation of persistent organic pollutants in Tasmanian platypus (*Ornithorhynchus anatinus*)', *Environmental Pollution*, **120** 233-237 (2002) [A1]
- Munday, BL, Stewart, NJ, Sodergren, A*, 'Variations in residues of persistent organic pollutants in a platypus (*Ornithorhynchus anatinus*) at consecutive samplings', *Australian Veterinary Journal*, **80** 299 (2002) [A4]
- Murphy, KR, Ritz, DA, Hewitt, CL*, 'Heterogeneous zooplankton distribution in a ship's ballast tanks', *Journal of Plankton Research*, **24** (7) 729-734 (2002) [A1]
- Nelson, MM, Cox, SL*, Ritz, DA, 'Function of mouthparts in feeding behavior of Phyllosoma larvae of the Packhorse Lobster, *Jasus verreauxi* (Decapoda: Palinuridae)', *Journal of Crustacean Biology*, **22** (3) 595-600 (2002) [A1]

Nelson, MM, Mooney, BD*, Nichols, PD*, Phleger, CF*, Smith, GG, Hart, PR, Ritar, AJ, 'The Effect of Diet on the Biochemical Composition of Juvenile *Artemia*: Potential Formulations for Rock Lobster Aquaculture', *Journal of the World Aquaculture Society*, **33** (2) 146-157 (2002) [A1]

Nowak, BF, Carson, J, Powell, MD, Dykova, I*, 'Amoebic gill disease in the marine environment', *Bulletin of the European Association of Fish Pathologists*, **22** (2) 144-147 (2002) [A1]

Nowak, BF, Dykova, Iva*, Carson, J, Elliott, N*, Wong, F*, 'Amoeba - a fish parasitologist challenge?', *Program and Abstracts for the Annual Scientific Meeting of the Australian Society for Parasitology Inc.*, Hadley Hotel, Hobart, Tasmania, 11 (2002) [F3]

Nowak, BF, Elliott, DG*, Bruno, DW*, 'The identification of parasites in fish tissue sections', *Bulletin of the European Association of Fish Pathologists*, **22** (2) 173-177 (2002) [A1]

Nowak, BF, Powell, MD, Douglas, GM, Adams, MB, Crosbie, PBB, Carson, J, 'Amoebic gill disease in cultured salmonids in Australia', *Proceedings 4th International Symposium on Aquatic Animal health*, New Orleans, Louisiana USA, 160 (2002) [F3]

Oliver, M*, Stewart, R*, MacDiarmid, A*, Gardner, C, Mills, D, 'Behaviour of *Jasus edwardsii* reared in captivity', *The Lobster Newsletter*, Fisheries and Oceans, Canada and Florida. Department of Environmental Protection, USA., USA, **15**, 1 (2002) [O2]

Oliver, M*, Stewart, R*, MacDiarmid, A*, Gardner, C, Mills, D, 'House angel or street devil: lobsters in captivity', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 1 (2002) [O2]

Pankhurst, NW, Peter, RE*, 'Changes in plasma levels of gonadal steroids and putative gonadotropin in association with spawning and brooding behaviour of male demoiselles', *Journal of Fish Biology*, **61** 394-404 (2002) [A1]

Pankhurst, PM, Pankhurst, NW, Parks, MC, 'Direct development of the visual system of the coral reef teleost, the spiny damsel, *Acanthochromis polyacanthus*', *Environmental Biology of Fishes*, **65** 431-440 (2002) [A1]

Pecl, GT, 'Calamary Age Validation Progress', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 1 (2002) [O2]

Powell, MD, Forster, ME*, Nowak, BF, 'Apparent vascular hypertension associated with Amoebic Gill Disease affected Atlantic salmon (*Salmo salar*) in Tasmania', *Bulletin of the European Association of Fish Pathologists*, **22** (5) 328-333 (2002) [A1]

Powell, MD, Harris, JO, Leef, MJ, Roberts, SD, Attard, M, Callahan, W*, McWilliam, H*, Toop, T*, Nowak, BF, 'Insights into the pathophysiology and treatment of amoebic gill disease in Atlantic salmon', *Proceedings 4th International Symposium on Aquatic Animal health*, New Orleans, Louisiana USA, 167 (2002) [F3]

- Powell, MD, Nowak, BF, Adams, MB, 'Cardiac morphology in relation to amoebic gill disease history in Atlantic salmon, *Salmo salar* L', *Journal of Fish Diseases*, **25** 209-215 (2002) [A1]
- Purser, GJ, 'Optimising food delivery and food intake: what are the options in fish culture systems?', *Aquafest Australia 2002, Conference Handbook*, Hobart, Tasmania, 72 (2002) [F3]
- Ritar, AJ, 'Report on Larview 2001 Business Seminar, Gent Belgium', *Austasia Aquaculture*, **16** (1) 38-42 (2002) [A3]
- Ritar, AJ, Grubert, MA, 'Conditioning of wild-caught blacklip and greenlip abalone broodstock', *Proceedings of the 9th Annual Abalone Aquaculture Workshop*, Queenscliff, Victoria, 76-83 (2002) [F2]
- Ritar, AJ, Smith, GG, 'Larval Quality Could Affect the Success of Rearing Southern Rock Lobster *Jasus edwardsii*', *Aquafest Australia 2002 - Conference Handbook*, Hobart, Australia, 75 (2002) [F3]
- Ritar, AJ, Smith, GG, 'Propagation of rock lobsters / Larval quality', *Proceedings of the Fourth Annual Meeting of the Rock Lobster Enhancement and Aquaculture Subprogram Workshop*, Cairns, Australia, 50-54 (2002) [F2]
- Ritar, AJ, Thomas, CW, Beech, A, 'Feeding *Artemia* and shellfish to phyllosoma larvae of southern rock lobster (*Jasus edwardsii*)', *Aquaculture*, **212** (1-4) 179-190 (2002) [A1]
- Ritz, DA, 'Comment on Alonzo & Mangel (2001) Survival strategies and growth of krill: avoiding predators in space and time', *Marine Ecology Progress Series* (244) 307-308 (2002) [A1]
- Ritz, DA, Cromer, L, Swadling, KM, Nicol, S*, Osborn, JE, 'Heart rate as a measure of stress in Antarctic krill, *Euphausia superba*', *Journal of the Marine Biological Association of the United Kingdom* (82) 4183-4 (2002) [A1]
- Roberts, SD, Powell, MD, 'Comparative ionic flux and ill mucous cell histochemistry: effects of salinity and disease status in Atlantic salmon (*Salmo salar* L.)', *Comparative Biochemistry and Physiology Part A*, **134** 525-537 (2002) [A1]
- Robinson, S, Goldsworthy, SD*, van den Hoff, J*, Hindell, MA, 'The foraging ecology of two sympatric fur seal species, *Arctocephalus gazella* and *Arctocephalus tropicalis*, at Macquarie Island during the austral summer', *Marine and Freshwater Research* (1323-1650) 1071-1082 (2002) [A1]
- Robson, BJ*, Chester, EJ*, Barmuta, LA, 'Using fractal geometry to make rapid field measurements of riverbed topography at ecologically useful spatial scales', *Marine and Freshwater Research* (53) 999-1003 (2002) [A1]
- Ross, DJ, Johnson, CR, Hewitt, CL*, 'Impact of introduced seastars *Asterias amurensis* on survivorship of juvenile commercial bivalves *Fulvia tenuicostata*', *Marine Ecology-Progress Series* (241) 99-112 (2002) [A1]

- Sajjadi, M, Carter, CG, 'Effect of phytate and phytase on Atlantic salmon performance', *Aquafest Australia 2002, Conference Handbook*, Hobart, Tasmania, 81 (2002) [F3]
- Semmens, JM, 'Hi-tech quest for secrets of the octopus', *The Saturday Mercury*, Davies Brothers Ltd, Hobart, Tasmania, January 12 (2002) [O1]
- Smith, GG, Ritar, AJ, Phleger, CF*, Nelson, MM, Mooney, B*, Nichols, PD*, Hart, PR, 'Changes in gut content and composition of juvenile *Artemia* after oil enrichment and during starvation', *Aquaculture*, **208** (1-2) 137-158 (2002) [A1]
- Smith, GG, Ritar, AJ, Thompson, PA*, Dunstan, GA*, Brown, MR*, 'The effect of embryo incubation temperature on indicators of larval viability in Stage 1 phyllosoma of the spiny lobster, *Jasus edwardsii*', *Aquaculture*, **209** (1-4) 157-167 (2002) [A1]
- Steer, MA, Moltschaniwskyj, NA, Gowland, FC*, 'Temporal variability in embryonic development and mortality in the southern calamary *Sepioteuthis australis*: a field assessment', *Marine Ecology Progress Series*, **243** 143-150 (2002) [A1]
- Tan, CK, Nowak, BF, Hodson, SL*, 'Biofouling as a reservoir of *Neoparamoeba pemaquidensis* (Page, 1970), the causative agent of amoebic gill disease in Atlantic salmon', *Aquaculture*, **210** 49-58 (2002) [A1]
- Tarbath, D, Hodgson, K, Mundy, C, Haddon, M, 'Tasmanian Abalone Fishery 2001', *Fishery Assessment Report*, Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania (2002) [O5]
- Tarbath, D, Mundy, C, Jarvis, CL, Haddon, M, 'August 2002 Interim Stock Assessment: Discussion Paper', Tasmanian Aquaculture and Fisheries Institute, Hobart, Tasmania (2002) [O5]
- Thomas, CW, Carter, CG, Crear, BJ, 'Feed availability and its relationship to survival, growth, dominance and the agonistic behaviour of the southern rock lobster, *Jasus edwardsii* in captivity', *Aquaculture* 00-00 (2002) [A1]
- Thomas, CW, Carter, CG, Crear, BJ, 'Feeding strategies for rock lobster aquaculture', *The Lobster Newsletter*, Old Dominion University, USA, **15**, 1 (2002) [O2]
- Thomas, CW, Carter, CG, Crear, BJ, 'Potential use of radiography for measuring feed intake of southern rock lobster (*Jasus edwardsii*)', *Journal of Experimental Marine Biology and Ecology*, **273** (2) 189-198 (2002) [A1]
- Tierney, M, Hindell, MA, Goldsworthy, SD*, 'Energy content of mesopelagic fish from Macquarie Island', *Antarctic Science*, **14** (3) 225-230 (2002) [A1]
- Trotter, AJ, Pankhurst, PM, Battaglione, SC, 'Interval and Morphology of Initial Swim Bladder Inflation in Striped Trumpeter (*Latris Lineata*) Larvae', *Conference Abstracts of 26th Annual Larval Fish Conference*, Bergen, Norway, 107 (2002) [F3]

Turner, KL, Gardner, C, Swain, R, 'Onset of maturity in male southern rock lobsters *Jasus edwardsii* in Tasmania, Australia', *Invertebrate Reproduction and Development*, **42** (2-3) 129-135 (2002) [A1]

Walton, WC*, Mackinnon, CJ, Rodriguez, LF*, Proctor, C*, Ruiz, GM*, 'Effect of an invasive crab upon a marine fishery: green crab, *Carcinus maenas*, predation upon a venerid clam, *Katelysia scalarina*, in Tasmania (Australia)', *Journal of Experimental Marine Biology and Ecology*, **272** 171-189 (2002) [A1]

Ward, L, Carter, CG, Crear, BJ, 'Feed development studies in southern rock lobster *J.edwardsii*', *Aquafest Australia 2002, Conference Handbook*, Hobart, Tasmania, 92 (2002) [F3]

Wardley, T, Purser, GJ, Forteath, GNR, 'Changing the colour of seahorses *Hippocampus abdominalis* to better suit markets', *Aquafest Australia 2002, Conference Handbook*, Hobart, Tasmania, 93 (2002) [F3]

Watts, M, Kato, K*, Munday, BL, Burke, CM, 'Ontogeny of immune system organs in northern bluefin tuna (*Thunnus orientalis*, Temminck and Schlegel 1844)', *Aquaculture Research*, **34** 13-21 (2002) [A1]

Watts, M, Munday, BL, Burke, CM, 'Investigation of Humoral Immune Factors from Selected Groups of Southern Bluefin Tuna, *Thunnus maccoyii* (Castelnau): Implications for Aquaculture', *Journal of Fish Diseases*, **25** 191-200 (2002) [A1]

Wilkinson, CW, 'Microalgae culture in Tasmania', *Austasia Aquaculture*, **16** (4) 47-48 (2002) [A3]

Wilson, TK, Carson, J, Bowman, JP, 'Optimisation of one-tube PCR-ELISA to detect femtogram amounts of genomic DNA', *Journal of Microbial Methods*, **51** 163-170 (2002) [A1]

Ziegler, PE, 'Catchability of the southern rock lobster (*Jasus edwardsii*)' (2002) [M3]

Ziegler, PE, 'Seasonal variation in rock lobster catchability', *Fishing Today*, Turtle Press Pty Ltd, Rosny, Tasmania, **15**, 4 (2002) [O2]

Ziegler, PE, Frusher, SD, Johnson, CR, Gardner, C, 'Catchability of the southern rock lobster *Jasus edwardsii*. I. Effects of sex, season and catch history', *Marine and Freshwater Research*, **53** (8) 1143-1148 (2002) [A1]

Ziegler, PE, Johnson, CR, Frusher, SD, Gardner, C, 'Catchability of the southern rock lobster *Jasus edwardsii*. II. Effects of size', *Marine and Freshwater Research*, **53** (8) 1149-1159 (2002) [A1]