

# Postgraduate Research Activity

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# 1999



**UNIVERSITY OF TASMANIA**

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<b>Total Research Output 1999</b>	<b>70</b>
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# Key

The items of research output listed in this Report have been classified in standard categories by each organisational unit, in response to the increasing interest in bibliometric analysis across the Australian university system. The classification of each item is indicated by a code from the table below, which is given in square brackets following the item description.

- |  |   |
|--|---|
| A1. Refereed article in a scholarly journal            | J1. Application for Australian patent                               |
| A2. Non refereed article in a scholarly journal        | J2. Patent granted in Australia                                     |
| A3. Non refereed article in a professional journal     | J3. Patent granted in Australia and an overseas country             |
| A4. Letter or note                                     | J4. Patent granted in an overseas country                           |
| A5. Other refereed contribution to a scholarly journal |   |
| A6. Edited journal                                     |   |
|  | K1. Audio Recording   |
| B1. Authored - research                                | K2. Visual Recording  |
| B2. Authored - other                                   | K3. Guide to collected sound recordings                             |
| B3. Edited   |   |
| B4. Revision, new edition                              |   |
|  | L1. Book of Poetry  |
| C1. Chapter in a B1 Book                               | L2. Novel   |
| C2. Chapter in a B2 Book                               | L3. Long musical work   |
| C3. Chapter in a B4 Book                               | L4. Dramatic work   |
|  | L5. Catalogue   |
| D1. A substantial review of an entire field of study   | L6. Short story   |
| D2. A review of several works                          | L7. Poem  |
| D3. A review of a single work                          | L8. Song or other short musical work                                |
| D4. Any other published review                         | L9. Individual exhibition of original art                           |
|  | L10. Representation of original art                                 |
| E1. Working Model                                      | L11. Acquisition - International                                    |
| E2. Technical Drawing                                  | L12. Acquisition - National   |
|  |   |
| F1. Full written paper - refereed proceedings          | M1. Masters Degree by research                                      |
| F2. Full written paper - non refereed proceedings      | M2. Masters Degree by coursework                                    |
| F3. Extract of paper                                   | M3. Doctor of Philosophy  |
| F4. Edited volume of conference proceedings            | M4. Higher Doctorate  |
| F5. Invitation to chair major international conference | M5. Professional Doctorate  |
| F6. Invitation to chair national conference            |   |
|  | In a dictionary, encyclopaedia, or the like.                        |
| H1. VAX/VMS  | O1. Newspaper article   |
| H2. Workstation; Sun, Silicon Graphics, IBM, DEC       | O2. Magazine article  |
| H3. Personal computer; IBM or compatible               | O3. Media interview   |
| H4. Personal computer; Macintosh                       | O4. Internal newsletter   |
| H5. Other  | O5. Report of restricted access                                     |
|  | O6. Awards and other recognition of the quality of research output. |
| I1. Contract Report                                    |   |
| I2. Consultants Report                                 |   |

**Bold** type indicates the name of the Research Higher Degrees Candidate

# Postgraduate Research Activity

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# 1999

## Arts

# Art (Hobart)

## Journal Article

**Daw, RL**, 'An Aberrant Urge', *Eyeline*, **40** (Spring) 30-33 (1999) [A2]

**Daw, RL**, 'Mark Vaarwerk: Eco-urban designer', *Object*, **7** (Spring) 52-55 (1999) [A2]

**Petterd, R**, 'Siggraph '99 Los Angeles Convention Centre', *Network for Art and Technology News*, **39** (December-February) 7 (1999) [A3]

## Conference Publication

**Petterd, R**, Casacuberta, D\*, Wortzel, A\*, 'Rewrapping the real world: using hyper-narrative in virtual spaces to create un-common realities', *Network for Art and Technology*, Sao Paulo, Brazil (1999) [F2]

## Architectural and Industrial Design

**Costello, PG**, *Bookcase*, Witt Design, Hobart (1998) [G]

**Costello, PG**, *Display Cabinet for Australian Skincare P/L*, Witt Design (Licenced), Hobart (1997) [G]

**Costello, PG**, *Lectern and Display Unit for University of Tasmania North-West Centre*, Costello Design, Hobart (1997) [G]

**Costello, PG**, *Product Design: Tables for Forestry Tasmania, for manufacture*, Forestry, Hobart (1998) [G]

**Costello, PG**, *Suite of Bedroom Furniture*, Clifton Furniture, Hobart (1999) [G]

**Costello, PG**, *Suite of Furniture for the Office of the Vice Chancellor, University of Tasmania; Waiting room furniture and 44 Chairs*, University of Tasmania, Hobart (1998) [G]

**Costello, PG**, *Suite of Nursery Furniture*, Cotech Pty Ltd, Hobart (1997) [G]

## Contract Report, Consultant's Report

**Costello, PG**, *Report to FFIC on FURN-a-Home Redevelopment*, Forest and Forest Industries Council (FFIC), 1 (1999) [I2]

## Audio-Visual Recording

**Petterd, R**, Caney, D\*, *Archiving Imagination*, The Other Edge (1999) [K2]

**Ruffels, TD**, *Zero Horizon Video*, Contemporary Art Services Tasmania (1999) [K2]

## Creative Work

**Gough, JA**, *1960 – Psycho 1994; If you knew Julie, like I know Julie, 1965; Luna, 1970*, Museum of Modern Art, Heide, Melbourne, 30, 47 (1999) [L10]

**Gough, JA**, *Boxing Boys and Brown Sugar*, Global Arts Link, Ipswich Arts Foundation, Ipswich, Queensland, 3 (1999) [L10]

**Gough, JA**, *Home sweet Home*, Liverpool Biennial of International Contemporary Art, Liverpool, 58-60 (1999) [L10]

**Gough, JA**, *Human Nature and Material Culture (map); Human Nature and Material Culture (replica)*, Djamu Gallery, Museum of Sydney, Sydney, 4 (1999) [L10]

**Gough, JA**, *Magnum as Cook in the Time/Space Continuum, 1997*, Artplace, Festival of Perth, Perth, p.57 (1999) [L10]

**Gough, JA**, *Shadow of the Spear*, Contemporary Art Services Tasmania, Hobart, 2 (1999) [L10]

**Haddon, N**, *Not Quite Cadmium Red, 1992*, Contemporary Art Services Tasmania, Hobart, 8 pp; 12 col. illus (1999) [L10]

**Haddon, N**, *Untitled Haddon*, Contemporary Art Services, Hobart, 4 (1999) [L10]

**Keating, MJ**, *Sequence*, Plimsoll Gallery, University of Tasmania, Hobart, 36pp,11 b/w ill 12 colour illustrations (1999) [L10]

**Morrison, A**, *Untitled Morrison*, Contemporary Art Services Tasmania, Hobart, 2 pp (1999) [L10]

**Prasil, PRS**, *1999 Seppelt Contemporary Art Award*, Museum of Contemporary Art, Sydney, Sydney, Broadsheet (1999) [L10]

**Ray, AE**, *Glow*, PICApress, Perth, 24 pp/ full colour (1999) [L10]

**Ruffels, TD**, *Reflection 1*, 7th New York Digital Art Salon, New York, 2 pp (1999) [L10]

**Ruffels, TD**, *Transmission*, Contemporary Art Services Tasmania, Hobart, 2 pp (1999) [L10]

**Ruffels, TD**, *Zero Horizon*, Contemporary Art Services Tasmania, Hobart, 2 pp (1999) [L10]

**Ryan, SL**, *Still*, Plimsoll Gallery, University of Tasmania, Hobart, 36pp,11 b/w ill 12 colour illustrations (1999) [L10]

**Schlitz, M**, *Untitled Schlitz*, Contemporary Art Services Tasmania, Hobart, 2 pp (1999) [L10]

**Vella, JM**, *Untitled – Vella*, Contemporary Art Services Tasmania, Hobart, 4pp (1999) [L10]

**Vella, JM**, *Untitled Vella*, Plimsoll Gallery, University of Tasmania, Hobart, 36pp,11 b/w ill 12 colour illustrations (1999) [L10]

**Watkins, P**, *Untitled Watkins*, Contemporary Art Services, Hobart, 4 pp (1999) [L10]

**Ball, JMS**, Shaw, AJ, *Liquid Evasions ... flirting with the surface*, Plimsoll Gallery, University of Tasmania, Hobart, 36pp,11 b/w ill 12 colour illustrations (1999) [L5]

Scott, MG, Holmes, JH, **Knights, MA**, *Rosamond: an exhibition of works by the recipients of the Rosamond McCulloch 4 month Studio Residencies, Cité Internationale des Arts, Paris 1991-1998*, Plimsoll Gallery, University of Tasmania, Hobart, pp 36/8 col and 8 b/w illus (1999) [L5]

**Brookes, WA**, *The Anachronist*, Despard Gallery, Hobart, 2 (1999) [L9]

**Ky, M**, *Solo Exhibition – Ky*, Australian Galleries, Melbourne, 2 (1999) [L9]

**Ky, M**, *Solo Exhibition, Cité Internationale des Arts, Paris*, Cité Internationale des Arts, Paris, EJ (1999) [L9]

**Phillips, A**, *Solo Exhibition – Phillips*, Schwarzkopf Headquarters, Hamburg, 2 (1999) [L9]

**Prasil, PRS**, *S.D.I.: Peter Prasil*, Object, Centre for Contemporary Craft, Crafts Council of New South Wales, Sydney, Broadsheet (1999) [L9]

**Quon, JW, Ford, KC**, *Ecological Manipulations*, Carnegie Gallery, Hobart, Unpaginated broadsheet (1999) [L9]

**Ruffels, TD**, *Location*, Devonport City Art Gallery, Devonport, 2 (1999) [L9]

**Ruffels, TD**, *Troy Ruffels*, Najera Art Gallery, Madrid, 2 (1999) [L9]

**Watt, YM**, *Speak of the Devil*, Artplace, Perth, 2 (1999) [L9]

## Thesis Accepted for Higher Degree

**Hudson, SP**, 'Models of models : representations of souvenirs, souvenirs of representation' (1999) [M1]

**Assef, AM**, 'Parody in the Theatre of Gestures' (1998) [M2]

**Cochrane, GD**, 'Truth or trap : the Australian contemporary crafts movement's pursuit of art ideals' (1999) [M3]

**Daw, RL**, 'Hors-d'oeuvres : ornamental decoration and gender' (1999) [M3]

**Morrison, A**, 'The sentient body: an exploration of the body's intimate connection to the environment' (1999) [M3]

### Other Public Output

**Gough, JA**, 'Samstag Scholarship', *Samstag Scholarship*, South Australian School of Art, Adelaide, S.A (1999) [O6]

\* *Not a member of this University.*

# Asian Languages and Studies

## **Book**

**Guo, J**, *Che Wang Fu Qu Ben Yu Jing Ju de Xin Cheng (Che Wang Fu Repertoire and the Initial Formation of the Peking Opera)*, University of Shantou Press, Shantou, 267 (1999) [B1]

# English and European Languages and Literatures

## Journal Article

**Polack, FM**, 'Eva Mackey, The House of Difference: Cultural Politics and National Identity in Canada', *Southern Review*, **32** (2) 259-260 (1999) [A4]

**Polack, FM**, 'Millstone to Touchstone', *Siglo*, **11** 41-43 (1999) [A4]

## Chapter in Book

**Polack, FM**, 'Place and Space: Views from a Tasmanian Mountain', *Imagining Australian Space: Cultural Studies and Spatial Inquiry*, University of Western Australia Press, Ruth Barcan and Ian Buchanan (ed), Nedlands, WA, 145-157 (1999) [C1]

## Conference Publication

**Petz, BH**, 'The Toad and the Toady: Gunter Grass's *The Call of the Toad*', *Language, Literature, Culture: A Selection of Papers Presented at Inter-Cultural Studies '98*, 79-87 (1999) [F2]

## Thesis Accepted for Higher Degree

**Spaulding, RN**, 'Landscape in the poetry of Vivian Smith' (1999) [M1]

**Holden, S**, 'Australian Literature: A Study of the Construction of Short Fiction in the Australian Literary Field' (1999) [M3]

# Government

## Journal Article

**Guo, YJ**, He, B, 'Reimagining the Chinese Nation: The 'Zeng Guofan Phenomenon'', *Modern China*, **25** (2) 142-170 (1999) [A1]

**Sherburd, V**, 'Review of 'Justice and the Environment: Conceptions of Environmental Stability and Dimensions of Social Justice' by Andrew Dobson', *Environmental and Planning Law Journal*, **16** (2) 183-184 (1999) [A4]

## Conference Publication

**Guo, YJ**, 'Class, Nation and the Party-State: State Nationalism in Post-Tiananmen China', *Proceedings of the 1999 Conference of the Australasian Political Studies Association*, Sydney, 269-277 (1999) [F1]

**Zwart, IC**, Haward, MG, 'Local Government Restructuring in Tasmania 1990-1999: 'Modernisation' to 'Partnership'', *Proceedings of the 1999 Conference of the Australasian Political Studies Association*, Sydney, 909-922 (1999) [F1]

# History and Classics

## Journal Article

**Mickleborough, LC**, 'Top of the World: Amateur Swimming and Lifesaving Club Inc. 1926-1998', *Tasmanian Historical Research Association: Papers and Proceedings*, **46** (2) 104-116 (1999) [A2]

**Roberts, G**, 'Tullah (Mount Farrell). Life in a Small Mining Village – 1898-1914', *Tasmanian Historical Research Association: Papers and Proceedings*, **46** (4) 173-232 (1999) [A2]

## Book

**Roberts, G**, *The Role of Government in the Development of the Tasmanian Metal Mining Industry: 1803-1883*, Centre for Tasmanian Historical Studies, Hobart, 135 (1999) [B2]

## Thesis Accepted for Higher Degree

**Miller, A**, 'Anatomy of a Polis-System: Magna Graecia in the Archaic Period' (1999) [M1]

**Evans, C**, 'Protecting the Innocent: Tasmania's Neglected Children, their Parents and State Care, 1890-1918' (1999) [M3]

**Powell, M**, 'Khippam Vayama-Strive Earnestly: Cultural and Religious Themes in the Life of FL Woodward' (1999) [M3]

# Sociology and Social Work

## Journal Article

**Stranger, MJ**, 'The Aesthetics of Risk', *International Review for the Sociology of Sport*, **34** (3) 265-276 (1999) [A1]

**Johnston, H**, '100 years of Diversity in Tasmania', *Tasmanian Year Book 2000* (Twenty-seventh Edition 1999) 103 (1999) [A4]

**Johnston, H**, 'Multicultural Tasmania – 100 years', *Tasmanian Year Book 2000* (Twenty-seventh Edition 1999) 135-136 (1999) [A4]

## Chapter in Book

**Wierenga, AM**, 'Imagined trajectories: Local culture and social identity', *Australian Youth Subcultures*, Australian Clearinghouse for Youth Studies, Rob White (ed), Hobart, 189-199 (1999) [C1]

## Conference Publication

Hanson, DJ, White, RD, **Steen, JT**, 'Corporate governance as interformance: A case study of one Australian company', *ANZAM '99 Conference Proceedings*, Hobart Tasmania, EJ (1999) [F1]

# Visual and Performing Arts

## Conference Publication

**Anderson, M**, 'Schemes', *EDGE: IDENTITY AND CHANGE*, Perth, WA, 3-6 (1999) [F2]

**Nielsen-Creeley, KM**, 'Stain', *EDGE: IDENTITY AND CHANGE*, Perth, WA, 63-66 (1999) [F2]

## Creative Work

**Anderson, M**, *Reminiscences*, The Western Australian School of Art Design & Media Gallery, Perth, WA, 56 (1999) [L10]

**Nielsen-Creeley, KM**, *Amelia*, The Western Australian School of Art Design & Media Gallery, Perth, WA, 56 (1999) [L10]

# Postgraduate Research Activity

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# 1999

## Commerce and Law

# Accounting and Finance

## Journal Article

Godfrey, JM, **Adi, S**, 'Determinants of Income Smoothing', *Asia-Pacific Journal of Accounting*, **6** (2) 275-297 (1999) [A1]

Godfrey, JM, **Koh, PS**, 'The Explanatory Power of Alternative Accruals Models', *Accounting Research Journal*, **12** (2) 178-199 (1999) [A1]

# Economics

**Thesis Accepted for Higher Degree**

**Tang, SHK**, 'Measurement of Technical  
Change: A Case Study of Manufacturing  
Industries in Singapore' (1999) [M3]

# Information Systems

## Conference Publication

**Pedersen, SG**, Thomas, L, 'The Internet As A Conduit For Marketing To Consumers', *Fifth Americas Conference on Information Systems (AMCIS 1999)*, Milwaukee, Wisconsin, 322-323 (1999) [F1]

**Ridley, J**, Ridley, G, 'The Potential Impact of Electronic Procurement on Tasmanian Small to Medium Sized Enterprises', *COLLECTeR Conference Proceedings 1999*, Wellington, New Zealand, EJ (1999) [F1]

## Thesis Accepted for Higher Degree

**Urquhart, C**, 'Themes and Strategies in Early Requirements Gathering: An Investigation into Analyst-Client Interaction' (1999) [M3]

# Law

## Journal Article

- Marsden, S**, 'Legislative EA in the Netherlands: The E-Test as a Strategic and Integrative Instrument', *European Environment: The Journal of European Environmental Policy*, **9** (3) 90-100 (1999) [A1]
- Marsden, S**, 'Strategic Environmental Assessment in Australia: An Evaluation of s146', *Griffith Law Review*, **8** (2) 394-410 (1999) [A1]
- Middleton, SA**, 'Cruelty against 'Concubines' - Maintenance for De Facto Wives in Tasmania', *Australian Journal of Family Law*, **13** (2) 140-169 (1999) [A1]
- Ranero, FJ**, 'Failure of Substratum in Commercial Trusts', *University of Tasmania Law Review*, **18** (1) 126-145 (1999) [A1]
- McCrystal, S**, 'Application Fees and Tenants - Teething problems for Tasmania's New Residential Tenancy Act 1997', *Australian Property Law Journal*, **7** (3) 235-250 (1999) [A2]
- Ranero, FJ**, 'Managed Investment Schemes: The Responsible Entity's Duty to Act for a proper Purpose', *Company and Securities Law Journal*, **17** (7) 422-435 (1999) [A2]
- Marsden, S**, 'A History of the Australian Environment Movement', *Australian Environmental Law News*, **1999** (2) 73 (1999) [A4]
- Marsden, S**, 'Administrative Law: Commentary and Materials', *Australian Environmental Law News*, **1999** (3) 65 (1999) [A4]
- Marsden, S**, 'Butterworths' Student Companions: Environmental Law', *Australian Environmental Law News*, **1999** (3) 64 (1999) [A4]
- Marsden, S**, 'Corporate Liability for Pollution', *Australian Environmental Law News*, **1999** (1) 65 (1999) [A4]
- Marsden, S**, 'Discussion Draft of the Proposed Northern Territory Planning Act', *Australian Environmental Law News*, **1999** (3) 23-26 (1999) [A4]
- Marsden, S**, 'Environmental Outlook No. 3: Law and Policy', *Australian Environmental Law News*, **1999** (4) 20 (1999) [A4]
- Marsden, S**, 'Environmental Impact Assessment: Procedures, Practice and Prospects in Australia', *Australian Environmental Law News*, **1999** (1) 66 (1999) [A4]
- Marsden, S**, 'Our Land, Our Way: The Administration and Management of Environmental Law and Policy in Nunavut', *Australian Environmental Law News*, **1999** (2) 70-71 (1999) [A4]
- Marsden, S**, 'Tasmanian Water Management Bill', *Australian Environmental Law News*, **1999** (4) 22-25 (1999) [A4]
- Marsden, S**, 'The Environmental Law Handbook - Redfern Legal Centre', *Australian Environmental Law News*, **1999** (2) 72 (1999) [A4]
- Marsden, S**, 'The Environmental Law Handbook - Environment Defenders Office (Tas)', *Australian Environmental Law News*, **1999** (3) 66 (1999) [A4]

**Marsden, S**, 'The Northern Territory Waste Management and Pollution Control Act 1998', *Australian Environmental Law News*, **1999** (4) 11-13 (1999) [A4]

**Middleton, SA**, 'De Facto Relationships Bill 1999 (Tas)', *Australian Journal of Family Law*, **13** (3) 194-197 (1999) [A4]

**Ranero, FJ**, Daffy, EJ, 'Managed Investments Law', *University of Tasmania Law Review*, **18** (1) 172-174 (1999) [A4]

**Marsden, S**, 'Australian Environmental Law News', *Australian Environmental Law News*, **1999** (1) 1-69 (1999) [A6]

## Review

**Marsden, S**, 'Administration of Forests', *The Laws of Australia*, **1** (1) 37-42 (1999) [D1]

**Marsden, S**, 'Context of Forests Law', *The Laws of Australia*, **1** (1) 15-36 (1999) [D1]

**Marsden, S**, 'Establishment of Forests', *The Laws of Australia*, **1** (1) 43-54 (1999) [D1]

**Marsden, S**, 'Management of Forests on Public Land', *The Laws of Australia*, **1** (1) 55-66 (1999) [D1]

**Marsden, S**, 'Management of Forests on Private Land', *The Laws of Australia*, **1** (1) 67-78 (1999) [D1]

**Marsden, S**, 'Other Matters', *The Laws of Australia*, **1** (1) 79-90 (1999) [D1]

## Thesis Accepted for Higher Degree

**Euarjai, K**, 'International carriage of goods by sea: problems in bills of lading and their impact in Australia and her major trading partners in Asia' (1999) [M1]

**Ranero, FJ**, 'The Intimate Connection of Trust and Corporation' (1999) [M1]

**Marsden, S**, 'Legislative EA: An Evaluation of Procedure and Context with Reference to Canada and the Netherlands' (1999) [M3]

## Other Public Output

Griggs, LD, **McCrystal, S**, Mackie, KF, 'Review of Residential Tenancy Act 1997', *Review of Residential Tenancy Act 1997*, Department of Justice, Hobart, **1**, 1 (1999) [O5]

# Postgraduate Research Activity

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# 1999

## Education

# Early Childhood and Primary Education

## Journal Article

**Bennett, J**, 'Micropolitics in the Tasmanian Context of School Reform', *School Leadership and management*, **19** (2) 197-200 (1999) [A1]

**Bishop, P**, Mulford, WR, 'When Will They Ever Learn?: another failure of centrally-imposed change', *School Leadership and Management*, **19** (2) 179-184 (1999) [A1]

Watson, JM, **Moritz, JB**, 'Interpreting & predicting from bar graphs', *Australian Journal of Early Childhood*, **24** (2) 22-27 (1999) [A1]

Watson, JM, **Moritz, JB**, 'The Beginning of Statistical Inference: Comparing Two Data Sets', *Educational Studies in Mathematics*, **36** (2) 145-168 (1999) [A1]

**Price, KJ**, 'Humour in the Educational Curriculum', *Australian Journal of Comedy*, **5** (1) 49-86 (1999) [A2]

Le, T, **Le, Q**, 'A Web-Based Study of Students' Attitudes Towards the Web', *Computer in the Social Studies*, **7** (5) EJ (1999) [A3]

## Conference Publication

Le, T, **Le, Q**, 'A Web-based study of students' attitudes towards the Web', *ED-MEDIA 1999*, United States, 747-752 (1999) [F1]

**Moritz, JB**, Watson, JM, 'The Conjunction Fallacy and Longitudinal Development of Chance Expression', *Making the Difference*, Adelaide, 380-387 (1999) [F1]

Watson, JM, **Moritz, JB**, 'Longitudinal Understanding of Conditional Probability by School Students', *Making the Difference*, Adelaide, 522-529 (1999) [F1]

**Moritz, JB**, 'Graphing data: Relating representation and interpretation', *Mathematics: the next millenium*, Adelaide, 90-99 (1999) [F2]

Shaughnessy, JM\*, Watson, JM, **Moritz, JB**, Reading, C\*, 'School Mathematics Students' Acknowledgement of Statistical Variation', *There's More to Life than Centers*, San Francisco (1999) [F3]

\* Not a member of this University.

# Secondary and Post-Compulsory Education

## Conference Publication

**Bound, HI**, Owen, C, 'Industry Learning: Toward a Framework for Future Research Agendas', *Proceedings of the second national conference of the Australian Vocational Education and Training Research Association (AVETRA)*, Melbourne, 64-72 (1999) [F1]

Owen, C, **Bound, HI**, 'The Changing Nature of Regional Australia: Work, Technology and Community', *7th Annual International Conference on Post-Compulsory Education and Training*, Gold Coast, Queensland, 117 - 127 (1999) [F2]

**Postgraduate Research Activity**

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**1999**

**Health Science**

# Anatomy and Physiology

## Conference Publication

Saunders, NR, Dziegielewska, KM, **Ek, J**, Mollgard, K\*, 'Morphological and physiological aspects of barriers in the developing brain', *Brain Barrier Systems*, Denmark, 191-203 (1999) [F2]

Dziegielewska, KM, Bauer, HC\*, Bauer, H\*, Potter, A, **Ek, J**, Saunders, NR, 'Tight junction specific protein, occludin, in the development of the epithelial cells of the choroid plexus', *Proceedings of the Australian Neuroscience Society*, Hobart, 113 (1999) [F3]

**Ek, J**, Habgood, MD, 'Penetration of small, lipid insoluble molecules across the developing blood-brain barriers', *Proceedings of the Australian Neuroscience Society*, Hobart, 113 (1999) [F3]

**Fry, EJ**, Smith, T, Potter, A, Knott, GW, Saunders, NR, 'Repair of structure and function following complete transection of spinal cord in neonatal opossums, *Monodelphis domestica*', *Proceedings of the Australian Neuroscience Society*, Hobart, 118 (1999) [F3]

**Kirkcaldie, MTK**, Kitchener, PD\*, Saunders, NR, 'Cortical effects of capsaicin-induced peripheral fine-fibre deafferentation', *Proceedings of the Australian Neuroscience Society*, Hobart, 178 (1999) [F3]

Lane, MA, **Ek, J**, Potter, A, Dziegielewska, KM, 'Route of transfer for small, lipid insoluble molecules from blood into cerebrospinal fluid in the developing brain', *Proceedings of the Australian Neuroscience Society*, Hobart, 112 (1999) [F3]

\* *Not a member of this University.*

# Biochemistry

## Journal Article

Rolfe, DFS\*, **Newman, JMB**, Buckingham, JA\*, Clark, MG, Brand, MD\*, 'Contribution of mitochondrial proton leak to respiration rate in working skeletal muscle and liver and to SMR', *American Journal of Physiology*, **276** (45) C692-C699 (1999) [A1]

Rose, RW, West, AK, **Ye, JM**, McCormack, GH, Colquhoun, EQ, 'Nonshivering Thermogenesis in a Marsupial (the Tasmanian Bettong *Bettongia gaimardi*) Is Not Attributable to Brown Adipose Tissue', *Physiological and Biochemical Zoology*, **72** (6) 699-704 (1999) [A1]

**Tong, CYA, DiMaria, CA**, Rattigan, S, Clark, MG, 'Na<sup>+</sup> channel and Na<sup>+</sup>/K<sup>+</sup> ATPase involvement in norepinephrine- and veratridine-stimulated metabolism in perfused rat hind limb', *Canadian Journal of Physiology and Pharmacology*, **77** (5) 350-357 (1999) [A1]

**Wallis, MG**, Appleby, GJ, **Youd, JM**, Clark, MG, Penschow, JD, 'Reduced glycogen phosphorylase activity in denervated hindlimb muscles of rat is related to muscle atrophy and fibre type', *Life Sciences*, **64** (4) 221-228 (1999) [A1]

**Youd, JM, Newman, JMB**, Clark, MG, Appleby, GJ, Rattigan, S, **Tong, CYA, Vincent, MA**, 'Increased metabolism of infused 1-methylxanthine by working muscle', *Acta Physiologica Scandinavica*, **166** (4) 301-308 (1999) [A1]

## Chapter in Book

West, AK, **Holloway, AF, Stennard, FA, Miller, JM**, 'Metallothionein expression in the mammalian brain', *Metallothionein IV*, Birkhäuser, CD Klaassen (ed), Boston, 377-382 (1999) [C1]

## Conference Publication

**DiMaria, CA, Tong, CYA**, Rattigan, S, Clark, MG, 'Thermogenesis in resting muscle: a role for sodium channels?', *Proceedings of the Australian Society for Biochemistry and Molecular Biology*, Gold Coast, Sym-10-02 (1999) [F3]

West, AK, **Holloway, AF**, How, JD, **Adlard, PA**, Vickers, JC, 'Structure and synthesis of the neuroactive metallothionein isoform, MTIII (Growth Inhibitory Factor)', *HGM'99*, Brisbane, 85 (1999) [F3]

**Woodhall, E**, West, AK, Chuah, MI, 'Olfactory Ensheathing Cells Produce BDNF and GDNF', *Proceedings of the Australian Neuroscience Society*, Hobart, 126 (1999) [F3]

## Thesis Accepted for Higher Degree

**Griffiths, CD**, 'Vanilloid receptors in the perfused rat hindlimb' (1999) [M3]

\* *Not a member of this University.*

# Biomedical Science

## Journal Article

**Mazzone, SB**, Geraghty, DP, 'Altered respiratory response to substance P and reduced NK1 receptor binding in the nucleus of the solitary tract of aged rats', *Brain Research*, **826** 139-142 (1999) [A1]

**Mazzone, SB**, Geraghty, DP, 'Respiratory action of capsaicin microinjected into the nucleus of the solitary tract: involvement of vanilloid and tachykinin receptors', *British Journal of Pharmacology*, **127** 473-481 (1999) [A1]

## Conference Publication

Geraghty, DP, **Mazzone, SB**, 'Respiratory actions of tachykinins in the nucleus of the solitary tract of the rat: characterisation of receptors using selective agonists and antagonists', *Proceedings of ASCEPT*, Sydney, Australia, O12-5 (1999) [F3]

**Mazzone, SB**, Geraghty, DP, 'Capsaicin-pretreatment alters the respiratory response to tachykinins in the nucleus of the solitary tract', *Brain Research*, Miami, USA, A32 (1999) [F3]

**Mazzone, SB**, Geraghty, DP, 'Characterisation of Tachykinin Receptors in the Nucleus of the Solitary Tract', *Proceedings of the Australian Physiological and Pharmacological Society*, Newcastle, Australia, 135P (1999) [F3]

**Mazzone, SB**, Geraghty, DP, 'Respiratory actions of tachykinins in the nucleus of the solitary tract of the rat: effect of neonatal capsaicin pretreatment', *Proceedings of ASCEPT*, Sydney, Australia, O12-6 (1999) [F3]

# General Practice

## Conference Publication

**Mercae, A**, 'Immune to reality? Australian policies on immunisation and the reality of current practice', *What is this thing called Bioethics?*, Hobart, 43-50 (1999) [F1]

# Medicine (Discipline)

## Journal Article

**Li, DS, Li, CY**, Yong, AC, Johnston, PR, Kilpatrick, D, 'Epicardial ST depression in acute myocardial infarction', *Circulation Research*, **85** (November) 959-964 (1999) [A1]

**McKay, JD**, Williamson, J\*, Lesueur, F\*, Stark, M\*, Duffield, A, Canzian, F\*, Romeo, G\*, Hoffman, L, 'At least three genes account for familial papillary thyroid carcinoma: *TCO* and *MNG1* excluded as susceptibility loci from a large Tasmanian family', *European Journal of Endocrinology*, **141** 122-125 (1999) [A1]

**Vang, C**, Dunbabin, DW, Kilpatrick, D, 'Correlation between functional and electrophysiological recovery in acute ischemic stroke', *Stroke*, **30** (October) 2126-2130 (1999) [A1]

**Vang, C**, Dunbabin, DW, Kilpatrick, D, 'Effects of spontaneous recanalization on functional and electrophysiological recovery in acute ischemic stroke', *Stroke*, **30** (October) 2119-2125 (1999) [A1]

## Conference Publication

**Connor, CE**, Woods, GM, Lowenthal, RM, Ragg, SJ, 'Induction of p121CIP1 expression and retinoblastoma activation by ceramide in leukaemia cells', *Signalling for life and death: cytometry in analysis and modelling of cell signalling*, Hamilton Island, Australia, 63 (1999) [F3]

**Vang, C**, Dunbabin, DW, Kilpatrick, D, 'Correlation between functional and electrophysiological recovery in acute ischaemic stroke', *Poster Display Abstract Booklet*, Royal Hobart Hospital, Hobart, Tasmania, 32 (1999) [F3]

**Vang, C**, Dunbabin, DW, Kilpatrick, D, 'Effects of aspirin and heparin on spontaneous recanalization in acute ischaemic stroke', *Poster Display Abstract Booklet*, Royal Hobart Hospital, Hobart, Tasmania, 33 (1999) [F3]

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**Vang, C**, Dunbabin, DW, Kilpatrick, D, 'Influence of leptomeningeal collateral blood flow supply on functional and electrophysiological recovery in acute ischaemic stroke', *Poster Display Abstract Booklet*, Royal Hobart Hospital, Hobart, Tasmania, 32 (1999) [F3]

\* Not a member of this University.

# Menzies Centre

## Journal Article

**Grimmer, KA**, Blizzard, CL, Dwyer, T,  
'Frequency of headaches associated with  
the cervical spine and relationship with  
anthropometric, muscle performance and  
recreational factors', *Archives of Physical  
Medicine and Rehabilitation*, **80** (1) 512-521  
(1999) [A1]

# Pathology

## Journal Article

**Barnett, TC**, Kirov, SM, 'The type IV *Aeromonas* gene cluster is widely conserved in *Aeromonas* species', *Microbial pathogenesis*, **26** (2) 77-84 (1999) [A1]

**Dickson, TC**, **King, CE**, McCormack, GH, Vickers, JC, 'Neurochemical Diversity of Dystrophic Neurites in the Early and late Stages of Alzheimer's Disease', *Experimental Neurology*, **156** (1) 100-110 (1999) [A1]

**McKay, JD**, Williamson, J\*, Lesueur, F\*, Stark, M\*, Duffield, A, Canzian, F\*, Romeo, G\*, Hoffman, L\*, 'At least three genes account for familial papillary thyroid carcinoma: *TCO* and *MNG1* excluded as susceptibility loci from a large Tasmanian family', *European Journal of Endocrinology*, **141** (2) 122-125 (1999) [A1]

## Conference Publication

**Adlard, PA**, **King, CE**, Vickers, JC, 'The effect of taxol on the CNS response to physical injury', *Proceedings of the 19th Annual Meeting of the Australian Neuroscience Society*, Hobart, Tasmania, 215 (1999) [F3]

**Barnett, TC**, Kirov, SM, 'Expression and function of the cloned type IV *Aeromonas* pilus (Tap)', *6th International Aeromonas/Plesiomonas Symposium*, Chicago, USA, 25 (1999) [F3]

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*Australian Conference on Molecular Analysis of Bacterial Pathogens*, Victor Harbor, South Australia, 26 (1999) [F3]

**Bettioli, SS**, Goldsmid, JM, 'Protozoan infections of marsupials in Tasmania', *26th World Veterinary Congress WSA*, Lyon, France, cd-rom (1999) [F3]

**Bettioli, SS**, Goldsmid, JM, 'Toxoplasmosis in Tasmania', *The Australasian College of Tropical Medicine*, Cairns, Queensland (1999) [F3]

Canty, AJ, **King, CE**, Vickers, JC, 'Relationship of the response of non-neuronal cells to the axonal changes that follow physical injury to the rodent neocortex', *Proceedings of the 19th Annual Meeting of the Australian Neuroscience Society*, Hobart, Tasmania, 220 (1999) [F3]

Canty, AJ, **King, CE**, Vickers, JC, 'Time course of axonal changes following physical injury: reactive cytoskeletal alterations may lead to sprouting', *Proceedings of the 19th Annual Meeting of the Australian Neuroscience Society*, Hobart, Tasmania, 35 (1999) [F3]

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**Dickson, TC**, **Adlard, PA**, Vickers, JC, 'Development of an *in vitro* model of cortical

axonal injury', *Proceedings of the 19th Annual Meeting of the Australian Neuroscience Society*, Hobart, Tasmania, 35 (1999) [F3]

Doherty, KV, Becker, HE, **Trambas, CM**, Woods, GM, Muller, HK, 'Fluorescent probes lack specificity for functional P-glycoprotein detection', *38th National Scientific Conference of the Australian Society for Medical Research*, Leura, NSW, poster 1-9 (1999) [F3]

**King, CE, Dickson, TC**, Vickers, JC, 'Colocalisation of neurofilament epitopes within damaged axons in an animal model of Alzheimer's disease', *Proceedings of the 19th Annual Meeting of the Australian Neuroscience Society*, Hobart, Tasmania, 214 (1999) [F3]

Marsden, VS, **Trambas, CM**, Woods, GM, Muller, HK, 'Is P-glycoprotein involved in Langerhans cell function?', *38th National Scientific Conference of the Australian Society for Medical Research*, Leura, NSW, poster 1-10 (1999) [F3]

Woods, GM, **Chen, YP**, Doherty, KV, Dewar, AL, Toh, BH\*, Muller, HK, 'Modification of dendritic cell function -Implications for autoimmunity', *1st Annual Meeting of the Haematology Society of Australia and New Zealand*, Hobart, Tasmania, 169 (1999) [F3]

\* *Not a member of this University.*

# Pharmacy

## Journal Article

**Boyle, RR**, McLean, SR, Foley, W\*, Davies, NW, 'Comparative Metabolism of dietary terpene, *p*-cymene, in generalist and specialist folivorous marsupials', *Journal of Chemical Ecology*, **25** (9) 2109-2126 (1999) [A1]

**Pass, GJ**, McLean, SR, Stupans, I\*, 'Induction of xenobiotic metabolising enzymes in the common brushtail possum, *Trichosurus vulpecula*, by *Eucalyptus* terpenes', *Comparative Biochemistry and Physiology*, **124** 239-246 (1999) [A1]

## Thesis Accepted for Higher Degree

**Sani, A**, 'Binding of anticonvulsants to enteral feeds and plasma proteins' (1999) [M1]

**Bleasel, MD**, 'Methods for the evaluation of melanin as a sunscreen agent' (1999) [M3]

**Boyle, RR**, 'The metabolic fate of dietary terpenes in folivorous marsupials' (1999) [M3]

\* *Not a member of this University.*

# Psychiatry

## Journal Article

**Le Roi, SC**, Kirkby, KC, Montgomery, IM, Daniels, BA, 'Differential Effects of Lorazepam and Diazepam on Explicit and Implicit Memory', *The Australian Journal of Psychopharmacology*, **9** (January) 48-54 (1999) [A2]

**Postgraduate Research Activity**

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**1999**

**Science and Engineering**

# Agricultural Science

## Journal Article

**Close, DC**, Beadle, CL, Holz, G, Ravenwood, IC\*, 'A photobleaching event at the North Forest Products' Somerset nursery reduces growth of *Eucalyptus globulus* seedlings', *Tasforests*, **11** (December 1999) 59-67 (1999) [A1]

**Lewis, TE**, Nichols, PD, McMeekin, TA, 'The biotechnological potential of thraustochytrids', *Marine Biotechnology*, **1** (6) 580-587 (1999) [A1]

**Miles, DW**, Ross, T, 'Identifying and quantifying risks in the food production chain', *Food Australia*, **51** (7) 298-303 (1999) [A1]

Nichols, DS, Bowman, JP, Sanderson, K, Mancuso-Nichols, CA, **Lewis, T**, McMeekin, TA, Nichols, PD, 'Developments with Antarctic microorganisms: culture collections, bioactivity screening, taxonomy, PUFA production and cold-adapted enzymes', *Current Opinions in Biotechnology*, **10** (1999) 240-246 (1999) [A1]

Nichols, DS, Greenhill, AR, **Shadbolt, CT**, Ross, T, McMeekin, TA, 'Physicochemical Parameters for Growth of the Sea Ice Bacteria *Glaciecola punicea* ACAM 611<sup>T</sup> and *Gelidibacter* sp. Strain IC158', *Applied and Environmental Microbiology*, **65** (8) 3757-3760 (1999) [A1]

**Shadbolt, CT**, Ross, T, McMeekin, TA, 'Nonthermal death of *Escherichia coli*', *International Journal of Food Microbiology*, **49** (3) 129-138 (1999) [A1]

**Simmul, TL**, Clarke, AR\*, 'Parasitism of *Acacicola orphana* (Erichson) (Coleoptera: Chrysomelidae) in Tasmania', *The Australian Entomologist*, **26** (3) 87-90 (1999) [A1]

## Chapter in Book

**Simmul, TL**, de Little, DW, 'Biology of the Paropsini (*Chrysomelidae: Chrysomelinae*)', *Advances in Chrysomelidae Biology 1*, Backhuys Publishers, The Netherlands, ML Cox (ed), Leiden, 463-477 (1999) [C2]

## Review

**Presser, KA, Salter, MA**, Ratkowsky, DA, Ross, T, 'Development of growth limits (growth/no growth interface) modelling and its application to predictive food microbiology', *Recent Research Developments in Microbiology*, **3** (3) 535-549 (1999) [D3]

## Conference Publication

**Nahrung, HF**, Merritt, DJ\*, 'Embryonic diapause of *Homichloda barkeri* (Jacoby) (Coleoptera: Chrysomelidae), a potential biological control agent for prickly acacia', *Program and Abstracts*, Canberra, ACT, 24 (1999) [F1]

**Pethybridge, SJ**, Wilson, CR, Ferrandino, FJ\*, Leggett, GW\*, 'Spatial analysis of viral epidemics in Australian hop gardens', *Conference Handbook*, Canberra, ACT, 340 (1999) [F1]

**Fulton, A**, Champion, SC, 'The influence of the woolgrower's sociological environment on technology adoption', *CRC For Premium Quality Wool Technology Adoption*, Melbourne, 23-46 (1999) [F2]

Mendham, NJ, Baker, SC, **Dingle, JK**, Smethurst, PJ, Beadle, CL, Neilsen, W, Borger, J, **Adams, P**, Holz, G, Barnes, C, Hetherington, S, Naughton, P, Appleton, R, 'Impact of Competition from Weeds on Early Growth Eucalypts and Pines at Five Sites in Tasmania and Victoria', *Practising Forestry Today*, Hobart, 187-187 (1999) [F2]

Allen, GR, **Simmul, TL**, 'Intraspecific variation in *Acacia dealbata* and defoliation by the firelight beetle', *Program and Abstracts*, Canberra, ACT, 32 (1999) [F3]

**Chilvers, MI, Milgate, A, Shanahan, KM, Mohammed, CL**, 'Molecular Characterisation of Tasmanian Phytophthora Isolates from a Natural Ecosystem', *Conference Handbook*, Canberra, Australia, 360 (1999) [F3]

**Close, DC**, Beadle, CL, Brown, PH, Holz, G, 'Cold-Induced Photoinhibition Affects Establishment of Eucalyptus Nitens and E. Globulus Seedlings', *Combined Conference Abstracts*, Gold Coast, Australia, 51-03 (1999) [F3]

**Lewis, TE**, Nichols, PD\*, McMeekin, TA, 'Production of polyunsaturated fatty acids by Australian Thrasutochytrids', *Algae and Human Affairs in the 21st Century*, Montecatini Terme-Italy, Abstracts, 264 (1999) [F3]

**Lukacs, ZS**, 'Phenological variability of *Mnesampela privata*: Why the autumn gum moth is not always the autumn gum moth', *Program and Abstracts*, Canberra, ACT, 21 (1999) [F3]

**Pethybridge, SJ**, Wilson, CR, Leggett, GW\*, 'Epidemiology of viruses infecting hops (*Humulus lupulus* L.) in Australia', Quebec, Canada, 72 (1999) [F3]

**Pethybridge, SJ**, Wilson, CR, Ferrandino, FJ\*, Leggett, GW\*, 'The influence of cultivation practices on the spatial distribution of viruses in Australian hop gardens', *Proceedings of the 7th International Plant Virus Epidemiology Symposium*, Aguadulce (Almeria), Spain, 95-96 (1999) [F3]

**Potter, KJB**, Ireson, J, Allen, GR, Holloway, RJ, 'What are the key factors affecting the efficacy

of the ragwort flea beetle?', *Program and Abstracts*, Canberra, ACT, 52 (1999) [F3]

**Potter, KJB**, Ireson, J, Allen, GR, Holloway, RJ, 'What are the key factors affecting the efficacy of the ragwort flea beetle in its control of ragwort?', *Papers and Proceedings*, Wrest Point Convention Centre, Hobart, Tasmania, 347 (1999) [F3]

**Rice, AD**, Rowe, R\*, Dhileepan, K\*, 'Evidence of local adaptation in the Australian population of *Zygotogramma bicolorata* pallister (Coleoptera: Chrysomelidae) - an introduced biocontrol agent for the weed *Parthenium hysterophorus* l. (Asteraceae)', *Program and Abstracts*, Canberra, ACT, 28 (1999) [F3]

**Rice, AD**, Allen, GR, 'Host interactions and impact of tachinid parasitoids upon the eucalypt defoliating beetles *Chrysophtharta agricola* and *C. bimaculata*', *Program and Abstracts*, Canberra, ACT, 57b (1999) [F3]

## Other Public Output

**Nahrung, HF**, 'Embryonic diapause of *Homichloda barkeri* (Jacoby) (Coleoptera: Chrysomelidae)', *Entomological Society of Queensland New Bulletin*, Entomological Society of Queensland New Bulletin, Brisbane, Queensland, 27, 7 (1999) [O5]

\* Not a member of this University.

# Agricultural Science

## Tasmanian Institute of Agricultural Research

### Journal Article

**Horton, JD**, Champion, SC, Horton, BJ\*, 'Development of a Simple Method to Assess the Number of *Lucilia cuprina* Caught in Lucitrap(R) Fly Traps', *Wool Technology and Sheep Breeding*, **47** (2) 74-82 (1999) [A1]

### Conference Publication

Denwood, TC, Lang, MD, Champion, SC, Horton, BJ\*, **Horton, JD**, 'Proceedings of the Australian Sheep Veterinary Society 1999', *The effect of flytrap site on catches in Lucitrap(R) Flytraps*, Wrest Point Casino, Hobart, Tasmania, 152-157 (1999) [F1]

**Horton, JD**, Horton, BJ\*, Fulton, A, Champion, SC, 'The effect of non-sheep enterprises on fly-strike management', *Australian Sheep Veterinary Society Addendum to Conference Proceedings*, Wrest Point Casino, Hobart, Tasmania, Paper 3 (1999) [F1]

Brown, G, Gibson, L\*, **Potter, KJB**, McCorkrell, B\*, 'Alternatives to Methyl Bromide for the Control of Apple Replant', *Proceedings of the 1st Australian Soil-borne Disease Symposium*, Brisbane, Queensland, 167-169 (1999) [F2]

Brown, G, Kitchener, A, Gibson, L\*, **Potter, KJB**, 'The extent and severity of apple replant disease in Tasmania', *Proceedings of the 1st Australian Soil-borne Disease Symposium*, Brisbane, Queensland, 19 (1999) [F2]

### Other Public Output

**Chilvers, MI**, 'Botrytris in the 90's', *Onions Australia*, Scope Publishing Pty Ltd, Frankston Heights, Victoria, **16**, November 1999 (1999) [O2]

\* *Not a member of this University.*

# Applied Science

## Journal Article

**Harris, JO**, Maguire, GB, Edwards, SJ, **Hindrum, SM**, 'Effect of pH on growth rate, oxygen consumption rate and histopathology of gill and kidney tissue for juvenile greenlip abalone, *Haliotis laevis* Donovan and black lip abalone *Haliotis rubra* Leach', *Journal of Shellfish Research*, **18** (2) 611-619 (1999) [A1]

**Harris, JO**, Maguire, GB, Edwards, SJ, Johns, DR, 'Low dissolved oxygen reduces growth rate and oxygen consumption rate of juvenile greenlip abalone, *Haliotis laevis* Donovan', *Aquaculture*, **174** (3-4) 265-278 (1999) [A1]

**Hunt, MA**, Unwin, GL, Beadle, CL, 'Effects of naturally regenerated *Acacia dealbata* on the productivity of a *Eucalyptus nitens* plantation in Tasmania, Australia', *Forest Ecology and Management*, **117** 75-85 (1999) [A1]

## Review

**Lee, AP**, Reedy, BJ, 'Temperature modulation in semiconductor gas sensing', *Sensors and Actuators B: Chemical*, **60** 35-42 (1999) [D1]

## Conference Publication

**Harris, JO**, Maguire, GB, Edwards, SJ, **Hindrum, SM**, 'Environmental requirements of Australian abalone', *The Annual International Conference and Exposition of the World Aquaculture Society – Book of Abstracts*, Sydney, 315 (1999) [F3]

**Hindrum, SM**, Edwards, SJ, Maguire, GB, Burke, CM, Johns, DR, 'Can experiment scale abalone growout tanks also function as community respirometers?', *The Annual International Conference and Exposition of the World Aquaculture Society – Book of Abstracts*, Sydney, 329 (1999) [F3]

**Hindrum, SM**, Maguire, GB, Edwards, SJ, Burke, CM, Johns, DR, 'Exploring the dynamic relationship between water quality, stocking density and refuge provision for greenlip abalone (*Haliotis laevis*)', *The Annual International Conference and Exposition of the World Aquaculture Society – Book of Abstracts*, Sydney, 330 (1999) [F3]

**Lee, AP**, Alexander, PW, Reedy, BJ, 'A new model for tin oxide gas sensor response', *Proceedings of the Australian International Symposium on Analytical Science*, Melbourne, PS1.39 (1999) [F3]

## Other Public Output

**Hindrum, SM**, Edwards, SJ, Burke, CM, Johns, DR, Maguire, GB, 'Exploring the dynamic relationship between water quality, stocking density and refuge provision for greenlip abalone (*Haliotis laevis*)', *Proceedings of the Sixth Annual Abalone Aquaculture Workshop*, Fisheries Research and Development Corporation, Adelaide, **6**, 1 (1999) [O5]

# Architecture

## **Thesis Accepted for Higher Degree**

**Byrne, LA**, 'Housing Choice for Life Cycle Stages' (1999) [M2]

**Downes, EK**, 'People, Places and Culture' (1999) [M2]

**Hawkes, DL**, 'Aesthetic control in inner city area planning' (1999) [M2]

**Lobdale, SJ**, 'Inner City Housing in Hobart' (1999) [M2]

**Purves, MB**, 'Place Character and Planning in Tasmania' (1999) [M2]

**Quinn, RF**, 'Evaluation of Current Land Subdivision Practice Using the Objective of Sustainable Development as the Criteria' (1999) [M2]

**Yon, AP**, 'Planning for Urban Growth' (1999) [M2]

# Central Science Laboratory

## Journal Article

**Boyle, RR**, McLean, SR, Foley, WR\*, Davies, NW, 'Comparative Metabolism of dietary terpene, *p*-cymene, in generalist and specialist folivorous marsupials', *Journal of Chemical Ecology*, **25** (9) 2109-2126 (1999) [A1]

**Harakuwe, AH**, Haddad, PR, Davies, NW, 'Capillary Zone Electrophoresis of anions: effect of drying on anionic surfactant degradation and separation performance', *Journal of Chromatography*, **863** (1) 81-87 (1999) [A1]

Robinson, P, Townsend, AT, **Yu, Z**, Munker, C, 'Determination of Scandium, Yttrium and Rare Earth Elements in Rocks by High Resolution Inductively Coupled Plasma-Mass Spectrometry', *Geostandards Newsletter*, **23** (1) 31-46 (1999) [A1]

## Conference Publication

**Boyle, RR**, McLean, SR, Davies, NW, Foley, W\*, Moore, B\*, 'Comparative metabolism of 1,8-cineole after chronic ingestion in the brushtail possum (*Trichosurus vulpecula*) and koala (*Phascolarctus cinereus*)', *Proceedings of ACEPT*, Sydney, 62 (1999) [F3]

**Pass, GJ**, McLean, SR, Stupans, I\*, Davies, NW, 'In vitro metabolism of *Eucalyptus* terpenes in the common ringtail possum, *Trichosurus vulpecula*', *Proceedings of ASCEPT*, Sydney, 62 (1999) [F3]

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# Chemistry

## Journal Article

**Breadmore, MC**, Macka, M, Haddad, PR, 'Manipulation of separation selectivity for alkali metals and ammonium in ion-exchange capillary electrochromatography using a suspension of cation exchange particles in the electrolyte as a pseudostationary phase', *Electrophoresis*, **20** 1987-1992 (1999) [A1]

**Breadmore, MC**, Macka, M, Haddad, PR, 'Theoretical migration model for micellar capillary electrophoresis and its application to the separation of anionic metal complexes of HEDTC and CDTA', *Analytical Chemistry*, **71** (9) 1826-1833 (1999) [A1]

Canty, AJ, **Hoare, JL**, **Patel, J**, Pfeffer, M\*, Skelton, BW\*, White, AH\*, 'Organoplatinum(IV) and palladium(IV) complexes containing intramolecular coordination systems based on the 8-methylquinoliny group (mq), including structures of the cation [Pt(mq)Me<sub>2</sub>(bpy)]<sup>+</sup> (bpy=2,2'-bipyridine) and the palladium(IV) complexes Pd(mq)MeR{(pz)<sub>2</sub>BH<sub>2</sub>} (R=Me,Ph;[(pz)<sub>2</sub>BH<sub>2</sub>]<sup>-</sup>=bis(pyrazol-1-yl)borate)', *Organometallics*, **18** 2660-2667 (1999) [A1]

Canty, AJ, **Jin, H**, Skelton, BW\*, White, AH\*, 'Platinum-tin bonded complexes, including a structural analysis of the octahedral tris(pyrazol-1-yl) borate complex Pt(SnMe<sub>3</sub>)ME<sub>2</sub>{(pz)<sub>3</sub>BH-N,N',N'}', *Australian Journal of Chemistry*, **52** 417-419 (1999) [A1]

**Doble, PA**, Haddad, PR, 'Indirect photometric detection of anions in capillary zone electrophoresis', *Journal of Chromatography A*, **834** 189-212 (1999) [A1]

Haddad, PR, **Doble, PA**, Macka, M, 'Developments in sample preparation and separation

techniques for the determination of inorganic ions by ion chromatography and capillary electrophoresis', *Journal of Chromatography A*, **856** 145-177 (1999) [A1]

**Harakuwe, AH**, Haddad, PR, 'Control of separation selectivity in capillary zone electrophoresis of inorganic anions', *Journal of Chromatography A*, **834** 213-232 (1999) [A1]

**Harakuwe, AH**, Haddad, PR, Davies, NW, 'Effect of drying on the degradation of cationic surfactants and separation performance in capillary zone electrophoresis of inorganic anions', *Journal of Chromatography A*, **863** 81-87 (1999) [A1]

**Harakuwe, AH**, Haddad, PR, Thomas, R, 'The effect of butan-1-ol on the separation of inorganic anions using capillary zone electrophoresis with reversed electroosmotic flow', *Journal of Liquid Chromatography and Related Technologies*, **22** (5) 659-667 (1999) [A1]

Havel, J, **Breadmore, MC**, Macka, M, Haddad, PR, 'Artificial neural networks for computer-aided modelling and optimisation in micellar electrokinetic chromatography', *Journal of Chromatography A*, **850** 345-353 (1999) [A1]

Havel, J, **Madden, JE**, Haddad, PR, 'Prediction of retention times for anions in ion chromatography using artificial neural networks', *Chromatographia*, **49** (9/10) 481-488 (1999) [A1]

**Hilder, EF**, Macka, M, Haddad, PR, 'Mixed-mode capillary electrochromatographic separation of anionic analytes', *Analytical Communications*, **36** 299-303 (1999) [A1]

Hovestad, NJ\*, **Hoare, JL**, Jastrzebski, JTBH\*, Canty, AJ, Smeets, WJJ\*, Spek, AL\*, van Koten,

G\*, 'Periphery-palladated carbosilane dendrimers: synthesis and reactivity of organopalladium(II) and -(IV) dendritic complexes. Crystal structure of [PdMe(C<sub>6</sub>H<sub>4</sub>(OCH<sub>2</sub>Ph)-4)(Bpy)](bpy=2,2'-bipyridine)', *Organometallics*, **18** (16) 2970-2980 (1999) [A1]

Jones, DJ, Cavell, KJ, Keim, W\*, 'Zirconium complexes as catalysts for the oligomerisation of ethylene: the role of chelate ligands and the Lewis acid cocatalyst in the generation of the active species', *Journal of Molecular Catalysis A: Chemical*, **138** 37-52 (1999) [A1]

Madden, JE, Nebosja, A\*, Jackson, PE\*, Haddad, PR, 'Critical comparison of retention models for optimisation of the separation of anions in ion chromatography. III. Anion chromatography using hydroxide eluents on a Dionex AS11 stationary phase', *Journal of Chromatography A*, **837** 65-74 (1999) [A1]

Madden, JE, Haddad, PR, 'Critical comparison of retention models for the optimisation of the separation of anions in ion chromatography. II. Suppressed anion chromatography using carbonate eluents', *Journal of Chromatography A*, **850** 29-41 (1999) [A1]

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\* *Not a member of this University.*

# Mathematics and Physics

## Mathematics

### Journal Article

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**Cazaran, J**, Kelarev, AV, 'Semisimple Artinian graded rings', *Communications in Algebra*, **27** (8) 3863-3874 (1999) [A1]

**Jackson, MG**, 'Some undecidable embedding problems for finite semigroups', *Proceedings of the Edinburgh Mathematical Society*, **42** 113-125 (1999) [A1]

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**Cazaran, J**, 'Artinian rings, finite principal ideal rings and algebraic error-correcting codes', *Bulletin of the Australian Mathematical Society*, **59** (3) 525-526 (1999) [A5]

**Churchill, GA**, 'Theorems of Birkhoff type in pseudovarieties and e-varieties of regular semigroups', *Bulletin of the Australian Mathematical Society*, **60** (2) 349-350 (1999) [A5]

### Thesis Accepted for Higher Degree

**Jackson, MG**, 'Small semigroup related structures with infinite properties' (1999) [M3]

\* *Not a member of this University.*

# Mathematics and Physics

## Physics

### Journal Article

Albrow, MD\*, Beaulieu, JP\*, Caldwell, JAR\*, DePoy, DL\*, Dominik, M\*, Gaudi, BS\*, Gould, A\*, Greenhill, JG, Hill, KM, **Kane, S**, Martin, R\*, Menzies, J\*, Naber, RM\*, Pogge, RW\*, Pollard, KR\*, Sackett, PD\*, Sahu, KC\*, Vermaak, P\*, Watson, RD, Williams, A\*, 'A Complete Set of Solutions for Caustic Crossing Binary Microlensing Events', *The Astrophysical Journal*, **522** (Sept 10) 1022-1036 (1999) [A1]

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# Plant Science

## Journal Article

**Barnes, RW**, Hill, RS, 'Microfossils of *Callicoma* and *Codia* (Cunoniaceae) from Australian Cainozoic sediments', *Australian Systematic Botany*, **12** 647-670 (1999) [A1]

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**Tang, Y**, 'The Life History of Richeoideae (Epacridaceae)' (1999) [M1]

**Bolch, CJS**, 'Evolution, species resolution and molecular population genetics of the *Gymnodinium catenatum* toxic dinoflagellate species complex: tracing global dispersal and population dynamics' (1999) [M3]

**Hunt, MA**, 'Competition between plantation *Eucalyptus nitens* (Deane and Maiden) and naturally regenerating *Acacia dealbata* Link' (1999) [M3]

**Lush, GJ**, 'Novel Exotoxin principle(s) Produced by the Toxic Dinoflagellate *Alexandrium minutum*: Effects on Brine Shrimp (*Artemia salina*) and Larval Fish (*Rhombosolea taparina*)' (1999) [M3]

**Wei, X**, 'Genetic Evaluation of *Eucalyptus urophylla* for pulp production in south east China' (1999) [M3]

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# Psychology

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Byblow, WD\*, Chua, R\*, **Bysouth-Young, DF**, Summers, J\*, 'Stabilisation of bimanual coordination through visual coupling', *Human Movement Science*, **18** (2-3) 281-305 (1999) [A1]

Davidson, JA, **Versluys, M**, 'Effects of brief training in cooperation and problem-solving on success in conflict resolution', *Peace and Conflict: Journal of Peace Psychology*, **5** (2) 137-148 (1999) [A1]

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**Wells, JH**, Haines, J, Williams, CL, **Brain, KL**, 'The self-mutilative nature of severe Onychophagia: A comparison with self-cutting', *Canadian Journal of Psychiatry*, **44** (1) 40-47 (1999) [A1]

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**Carson, JM**, Haines, J, Williams, CL, 'The psychophysiology of work stress: A comparison between stressful and non-stressful work events', *Australian Journal of Psychology*, Hobart, Tasmania, **110** (1999) [F3]

**Casey, SL**, Williams, CL, Haines, J, 'The psychophysiology of binge-eating', *Australian Journal of Psychology*, Hobart, Tasmania, **110** (1999) [F3]

**Crawley, TFO**, Martin, F, 'Cognitive and visual processes in autism: visual memory, global precedence and central coherence theory', *Australian Journal of Psychology*, Hobart, Tasmania, **113** (1999) [F3]

**Crocker, CT**, Montgomery, IM, McLean, SR, Aldous, S, Wood, LJ, Miller, KA, 'Integrating health behaviour theory and occupational health and safety issues in the workplace: Attitudes and beliefs towards health and safety', *Australian Journal of Psychology*, Hobart, Tasmania, **113** (1999) [F3]

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**Mason, BW**, Thompson, T, Montgomery, IM, 'Worry and Defensive Pessimism: A Test of Two Intervention Strategies', *Australian Journal of Psychology*, Hobart, Tasmania, 130 (1999) [F3]

**Oldmeadow, M**, Bowling, AC, 'Target energy and inspection time', *Australian Journal of Psychology*, Hobart, Tasmania, 133 (1999) [F3]

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Williams, CL, Haines, J, Sale, I\*, **Doherty, MR**, 'The psychophysiology of dissociative identity disorder', *Australian Journal of Psychology*, Leura, NSW, 143 (1999) [F3]

## Thesis Accepted for Higher Degree

**Fraser, J**, 'Aetiology of specific phobias and modalities of exposure therapy including computer-delivered treatment' (1999) [M2]

**Fraser, JM**, 'A review of the treatment components and effectiveness of EMDR in PTSD' (1999) [M2]

**Gilroy, L**, 'The feasibility of using computer-based treatment for specific phobia' (1999) [M2]

**O'Rourke, SR**, 'The effect of regular physical exercise upon adolescents' stress levels and academic performance' (1999) [M2]

**Shelley, EM**, 'Reversal theory and teacher stress' (1999) [M2]

**Versluys, M**, 'Conflict resolution skill and will: Training adolescents in school' (1999) [M2]

**Davis, M**, 'Worry: A questionnaire and psychophysiological study' (1999) [M3]

### Other Public Output

**Carson, J**, 'Occupational stress', *Drive Time*, 7NT Radio, Launceston, 22 September 1999 (1999) [O3]

**Casey, SL**, 'A hunger to understand binge eating better', *The Mercury*, Davies Bros. Ltd., Hobart, 13 July 1999 (1999) [O3]

**Casey, SL**, 'Binge-eating disorder', *Steve McClelland Show*, 7ZR Radio, Hobart, 12 July 1999 (1999) [O3]

**Wells, JH**, 'Assault Trauma', *Steve McClelland Show*, 7ZR Radio, Hobart, 25 November 1999 (1999) [O3]

\* *Not a member of this University.*

# Tasmanian Aquaculture and Fisheries Institute

## Aquaculture

### Journal Article

**Barnett, CW**, Pankhurst, NW, 'Reproductive biology and endocrinology of greenback flounder *Rhombosolea tapirina* (Günther 1862)', *Marine and Freshwater Research*, **50** 35-42 (1999) [A1]

**Bransden, MP**, Carter, CG, 'Effect of processing soybean meal on the apparent digestibility of practical diets for the greenback flounder *Rhombosolea tapirina* (Günther)', *Aquaculture Research*, **30** (Monthly) 719-723 (1999) [A1]

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**Gardner, D**, Carter, CG, 'Feed intake and growth of juvenile silver trevally at the southern limit of their distribution', *Aquaculture International*, **7** 357-360 (1999) [A1]

**Haddy, JA**, Pankhurst, NW, 'Stress-induced changes in concentrations of plasma sex steroids in black bream', *Journal of Fish Biology*, **55** 1304-1316 (1999) [A1]

**Harris, JO**, Maguire, GB, Edwards, SJ, **Hindrum, SM**, 'Effect of pH on growth rate, oxygen consumption rate and histopathology of gill and kidney tissue for juvenile greenlip abalone, *Haliotis laevis* Donovan and black lip abalone *Haliotis rubra* Leach', *Journal of Shellfish Research*, **18** 611-619 (1999) [A1]

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**Stewart, NJ**, Munday, BL, **Hawkesford, TM**, 'Isolation of *Mucor circinelloides* from a case of ulcerative mycosis of platypus (*Ornithorhynchus anatinus*), and a comparison of the response of *Mucor circinelloides* and *Mucor amphibiorum* to different culture temperatures', *Medical Mycology*, **37** 201-206 (1999) [A1]

**Thomas, PM**, Pankhurst, NW, Bremer, HA\*, 'The effect of stress and exercise on post-mortem biochemistry of Atlantic salmon and rainbow trout', *Journal of Fish Biology*, **54** 1177-1196 (1999) [A1]

**Suplicy, FM**, 'Carrying capacity on shellfish culture', *Panorama da Aquicultura*, **10** (57) 21-24 (1999) [A3]

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**Bransden, MP**, Carter, CG, Nowak, BF, 'Atlantic salmon (*Salmo salar*) as a surrogate species for the development of an artificial diet for the Southern bluefin tuna', *Book of Abstracts*, Sydney, Australia, 99 (1999) [F3]

**Bransden, MP**, Carter, CG, 'Phosphorus digestibility in Greenback flounder (*Rhombosolea tapirina*) fed soybean meal-supplemented diets', *Book of Abstracts*, Sydney, Australia, 100 (1999) [F3]

Carter, CG, **Hauler, RC**, **Bransden, MP**, 'Measurement of protein synthesis in the study of aquaculture nutrition', *Book of Abstracts*, Sydney, Australia, 133 (1999) [F3]

**Chen, WM**, Purser, GJ, 'Effect of Meal Frequency and Time on Growth and Proximate Body Composition in Tank-reared Greenback Flounder', *Book of Abstracts*, Sydney, Australia, 153 (1999) [F3]

**Engin, K**, Carter, CG, 'The growth, feed utilisation and ammonia excretion rates of the Australian short-finned eel *Anguilla australis* (Richardson) fed at varying dietary protein: energy levels', *Book of Abstracts*, Sydney, Australia, 243 (1999) [F3]

**Farhangi, M**, Carter, CG, 'Assessment of Australian grain legumes as fish meal replacements in diets for rainbow trout (*Oncorhynchus mykiss*)', *Book of Abstracts*, Sydney, Australia, 252 (1999) [F3]

**Gardner, D**, Carter, CG, 'Evaluation of partial protein substitutes, lupin meal and soybean meal in artificial diets for juvenile silver trevally

(*Pseudocaranx dentex*)', *Book of Abstracts*, Sydney, Australia, 282 (1999) [F3]

**Hauler, RC**, Carter, CG, 'Phytase treatment of soybean meal increases appetite of Atlantic salmon (*Salmo salar*) Parr', *Book of Abstracts*, Sydney, Australia, 316 (1999) [F3]

**Marshall, AJ**, Purser, GJ, 'The biology and culture parameters of a temperate harpacticoid copepod of the genus *Tisbe*', *Book of Abstracts*, Sydney, Australia, 494 (1999) [F3]

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Schipp, GR\*, Bosmans, MP\*, **Marshall, AJ**, 'A method for the hatchery culture of a tropical species of the calanoid copepod genus *Acartia*', *Book of Abstracts*, Sydney, Australia, 89 (1999) [F3]

## Thesis Accepted for Higher Degree

**Parsons, HJ**, 'Freshwater bathing as a treatment for amoebic gill disease in Atlantic salmon *Salmo salar*, in Tasmania – efficiency, effects on osmoregulation and water quality' (1999) [M1]

**Goodsell, AH**, 'Haematology of the Striped Trumpeter' (1999) [M2]

**Salindeho, IRN**, 'Mouthpart morphology and alimentary tract structure of the rock crab (*Nectocarcinus tuberculatus*)' (1999) [M2]

**Tumbol, RA**, 'Pathophysiology of Ichthyophthirius multifiliis in Goldfish (*Carassius auratus*)' (1999) [M2]

**Gardner, C**, 'The Larval and Reproductive Biology of the Giant Crab *Pseudocarcinus gigas*' (1999) [M3]

**Harris, JO**, 'Chronic Effects of Adverse Water Quality on the Greenlip Abalone, *Haliotis laevigata* Donovan' (1999) [M3]

**Knuckey, RMP**, 'Isolation of Australian Microalgae and Preparation of Microalgal Concentrates for use as Aquaculture Feeds' (1999) [M3]

**Thomas, PM**, 'The effect of pre-harvest stress on post-mortem muscle biochemistry in culture Atlantic salmon (*Salmo salar*) and rainbow trout (*Oncorhynchus mykiss*)' (1999) [M3]

\* *Not a member of this University.*

Tasmanian Aquaculture  
and Fisheries Institute  
Marine Research Laboratory

**Conference Publication**

**Bermudes, MFM**, 'Effect of photoperiod on survival, growth, feeding and cannibalism in early development stages of *Jasus edwardsii* phyllosoma larvae', *Proceedings of the 1999 Fisheries Research and Development Corporation Rock Lobster Propagation Workshop*, University of Tasmania, Hobart, 46-47 (1999) [F2]

# Zoology

## Journal Article

- Bulinski, J**, 'A survey of mammalian browsing damage in Tasmanian eucalypt plantations', *Australian Forestry*, **62** (1) 59-65 (1999) [A1]
- Bulinski, J**, McArthur, C, 'An experimental field study of the effects of mammalian herbivore damage on *Eucalyptus nitens* seedlings', *Forest Ecology and Management*, **113** 241-249 (1999) [A1]
- Burridge, CP**, 'Molecular Phylogeny of *Nemadactylus* and *Acantholatris* (Perciformes: Cirrhitidae: Cheilodactylidae), with Implications for Taxonomy and Biogeography', *Molecular Phylogenetics and Evolution*, **13** (1) 93-109 (1999) [A1]
- Doran, NE**, Kiernan, K\*, Swain, R, Richardson, AMM, '*Hickmania troglodytes*, the Tasmanian cave spider, and its potential role in cave management', *Journal of Insect Conservation*, **3** 257-262 (1999) [A1]
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## Conference Publication

**Hansen, B,** Richardson, AMM, 'A Preliminary Inquiry into the Biogeography of the Tasmanian Endemic Freshwater Crayfish Genus *Parastacoides* Clark (Decapoda: Parastacidae)', *Freshwater Crayfish 12*, Augsburg, Germany, 854-861 (1999) [F1]

**Hansen, B,** Richardson, AMM, 'Interpreting the geographic range, habitat and evolution of the Tasmanian freshwater crayfish genus *Parastacoides* from a museum collection', *The Other 99%. The Conservation and Biodiversity of*

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## Thesis Accepted for Higher Degree

**Sinclair, A,** 'Development of a protocol for the commercial production of the juvenile Tasmanian Tiger Snake, *Notechis ater*' (1999) [M1]

**Doran, NE,** 'Manipulation of Zooplankton Communities in Waste Stabilization Lagoons, with a view to Optimizing Production for Potential Harvest' (1999) [M3]

**Hedd, A,** 'Foraging ecology of Shy Albatrosses *Thalassarche cauta* Breeding in Australia: Implications for interactions with longline fisheries' (1999) [M3]

**Jordan, AR,** 'The Life-history ecology of *Platycephalus bassensis* and *Nemadactylus macropterus*' (1999) [M3]

\* *Not a member of this University.*

# Research Output 1999

	Total Items	Total Weighted	PhD/Masters Items	PhD/Masters Weighted	Percentage Items	Percentage Weighted
<b>Arts</b>						
Art (Hobart)	85	83.83	43	40.67	50	48
Asian Languages and Studies	14	12.00	1	1.00	7	8
Conservatorium of Music	15	15.00				
English and European Languages and Literatures	52	51.00	6	6.00	11	11
Government	40	36.25	4	3.00	10	8
History and Classics	27	27.00	6	6.00	22	22
Philosophy	37	34.37				
Riawunna	4	4.00				
Sociology and Social Work	53	41.08	5	4.00	9	9
Visual and Performing Arts	38	37.79	4	4.00	10	10
<b>Sub Total</b>	<b>365</b>	<b>342.32</b>	<b>69</b>	<b>64.67</b>	<b>18</b>	<b>18</b>
<b>Commerce and Law</b>						
Accounting and Finance	15	11.50	2	1.00	13	8
Centre for Regional Economic Analysis	10	9.50				
Economics	24	20.33	1	1.00	4	4
Information Systems	11	11.58	3	2.00	27	17
Law	112	110.42	31	29.83	27	27
Management	32	26.92		0.33		1
<b>Sub Total</b>	<b>204</b>	<b>190.25</b>	<b>37</b>	<b>34.17</b>	<b>18</b>	<b>17</b>
<b>Education</b>						
Early Childhood and Primary Education	54	46.33	10	5.75	18	12
Secondary and Post-Compulsory Education	53	47.61	2	1.00	3	2
<b>Sub Total</b>	<b>107</b>	<b>93.94</b>	<b>12</b>	<b>6.75</b>	<b>11</b>	<b>7</b>
<b>Health Science</b>						
Anatomy and Physiology	23	19.87	6	1.90	26	9
Biochemistry	13	10.88	9	4.52	69	41
Biomedical Science	11	9.17	6	3.00	54	32
General Practice	24	21.25	1	1.00	4	4
Medicine (Discipline)	77	55.27	9	2.40	11	4
Menzies Centre	89	79.56	1	0.33	1	0
Nursing	21	20.42				
Obstetrics and Gynaecology		1.00				
Paediatrics and Child Health	3	2.70				
Pathology	42	37.11	14	6.66	33	17
Pharmacy	16	15.05	5	4.03	31	26
Psychiatry	29	20.87				
Rural Health	15	14.50		0.50		3
Surgery		2.09				
<b>Sub Total</b>	<b>363</b>	<b>309.73</b>	<b>51</b>	<b>24.35</b>	<b>14</b>	<b>7</b>
<b>Institutional and Other</b>						
Deputy Vice-Chancellor's Division		0.50				
<b>Sub Total</b>		<b>0.50</b>				
<b>Science and Engineering</b>						
Agricultural Science	70	52.04	25	11.14	35	21
<i>Tasmanian Institute of Agricultural Research</i>	11	7.13	6	1.28	54	17
Applied Science	19	12.43	6	0.83	31	6
Architecture	32	30.50	7	7.00	21	22
Central Science Laboratory	7	4.03	4		57	
Chemistry	80	67.59	50	22.98	62	34
Computing	15	14.67		0.33		2
CRC-Antarctic and Southern Ocean Environment	9	10.27	2	0.70	22	6
CRC-Sustainable Production Forestry	4	9.04		0.08		0
Earth Sciences	7	6.93		0.20		2
<i>Centre for Ore Deposit Research - CODES SRC</i>	29	21.42	11	6.07	37	28
Engineering						
<i>Civil and Mechanical Engineering</i>	15	11.87	6	3.20	40	26
<i>Electrical Engineering</i>	26	22.45	19	7.50	73	33
Geography and Environmental Studies	80	68.60	30	23.28	37	33
Maths and Physics						
<i>IASOS</i>	14	6.33	5	1.57	35	24
<i>Mathematics</i>	35	31.99	7	5.50	20	17
<i>Physics</i>	30	15.86	7	0.98	23	6
Plant Science	59	46.71	28	13.02	47	27
Psychology	49	42.93	35	21.25	71	49
Tasmanian Aquaculture & Fisheries Institute						
<i>Aquaculture</i>	58	47.94	36	23.27	62	48
<i>Marine Research Laboratory</i>	50	45.33	1	1.00	2	2
<i>Zoology - TAFI Activity</i>	6	5.17				
Zoology	41	34.04	25	15.78	60	46
<b>Sub Total</b>	<b>746</b>	<b>615.26</b>	<b>310</b>	<b>166.96</b>	<b>41</b>	<b>27</b>
<b>TOTAL</b>	<b>1785</b>	<b>1552.00</b>	<b>479</b>	<b>296.89</b>	<b>26</b>	<b>19</b>