

# Postgraduate Research Activity

---

# 2000



UNIVERSITY  
OF TASMANIA

# Contents

<b>Key</b>	4
<b>Arts</b>	
Art (Hobart)	6
Asian Languages and Studies	8
English and European Languages and Literatures	9
Government	10
History and Classics	11
Philosophy	12
Sociology and Social Work	13
Visual and Performing Arts	14
<b>Commerce and Law</b>	
Accounting and Finance	16
Economics	17
Information Systems	18
Law	19
Management	20
<b>Education</b>	
Early Childhood and Primary Education	22
Secondary and Post-Compulsory Education	23
Centre for Research and Learning in Regional Australia	24
<b>Health Science</b>	
Biomedical Science	26
Medicine	
Anatomy and Physiology	27
Biochemistry	29
Medicine (Discipline)	31
Pathology	32
Psychiatry	34
Menzies Centre	35
Pharmacy	36
<b>Science and Engineering</b>	
Agricultural Science	38
Tasmanian Institute of Agricultural Research	42
Applied Science	43
Central Science Laboratory	44
Chemistry	45
Computing	48
CRC-Antarctic and Southern Ocean Environment	49

CRC-Sustainable Production Forestry	50
Earth Sciences	52
Centre for Ore Deposit Research – CODES SRC	52
Engineering	
Civil and Mechanical Engineering	55
Engineering	56
Geography and Environmental Studies	58
Mathematics & Physics	
IASOS	60
Mathematics	61
Physics	62
Plant Science	64
Psychology	66
Tasmanian Aquaculture and Fisheries Institute	
Aquaculture	68
Fish Health Unit	72
Marine Research Laboratory	73
Zoology – TAFI Activity	74
Zoology	75

<b>Research Output 2000</b>	<b>78</b>
-----------------------------	-----------

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

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

\* *Not a member of this University*

# Postgraduate Research Activity

---

# 2000

# Arts

# Art (Hobart)

## Journal Article

**Knights, MA, Kunda, M**, 'Images from the Life of Nikola Tesla', *Siglo* (14) 17 (2000) [A4]

**Knights, MA**, 'Milan Milojevic. Intervention 6 - 'Index of Possibilities'', *Artlink: Australian Contemporary Art Quarterly*, **20** (3) 91-92 (2000) [A4]

**Ruffels, TD**, 'Reflections', *Photofile* (59 April 2000) 10-13 (2000) [A6]

## Chapter in Book

**Gough, JA**, 'History, Representation, Globalisation and Indigenous Cultures: A Tasmanian Perspective', *Indigenous Cultures in an Interconnected World*, Allen and Unwin, Claire Smith and Graeme Ward (ed), Sydney, pp.89-108 (2000) [C1]

## Review

**Knights, MA**, 'Eat Me. Good Girl. Mary Scott', *Broadsheet*, **29** (1) 15 (2000) [D3]

**Rhodes, BL**, 'Facsimile', *Eyeline Contemporary Visual Arts*, **42** 47 (2000) [D3]

**Rhodes, BL**, 'Heart on your sleeve (Eyeline)', *Eyeline* (44) 39 (2000) [D3]

**Rhodes, BL**, 'Hood', *Eyeline* (43) 41 (2000) [D3]

**Knights, MA**, 'Hood: Inkjet prints on canvas. Troy Ruffels (CAST Gallery)', *Australia Art Monthly Online, on-line* (5/05/00) Review ID=16 (2000) [D4]

## Creative Work

**Gough, JA**, *Driving Black Home*, Festival of Pacific Arts, Noumea, 15 (2000) [L10]

**Hudson, WZ**, *Twisted Love 11: Snake Gate: Bum Post.*, CAST Gallery, Hobart (2000) [L10]

**Johnson, KL**, *Too Late*, 1st Floor Artists and writers space, Melbourne, 3 (2000) [L10]

**Keating, MJ**, *The Purgatorial Perspective: from utopia to dystopia*, Plimsoll Gallery, University of Tasmania, Hobart, 4 (2000) [L10]

**Martin, DI**, *Document 2*, Noosa Regional Gallery, Tewantin (2000) [L10]

**Prasil, PRJ**, *Desk: Chair: Bench.*, CAST Gallery, Hobart, 10 (2000) [L10]

**Ryan, SL**, *Pivot V: About Photography*, Carnegie Gallery, Hobart, 3 (2000) [L10]

**Ryan, SL**, *Too Late (Prints)*, 1st Floor Artists and Writers Space, Melbourne, 4 (2000) [L10]

**Ball, JMS**, *Six=nine*, Cast Gallery, Hobart, 16 (2000) [L5]

**Johnson, KL**, *Heart on your sleeve*, Plimsoll Gallery, Hobart, 33 (2000) [L5]

**Knights, MA**, *La Mirada - The Gaze (Barbie Kjar)*, Australian Galleries, Sydney, 1 (2000) [L5]

**Ruffels, TD, Ryan, SL**, *Painting - curated by Troy Ruffels and Sarah Ryan*, Plimsoll Gallery, Hobart, 4 (2000) [L5]

**Keating, MJ**, *Xiaojie Looka Looka*, Contemporary gallery: Beijing, Beijing (2000) [L9]

**Lunn, KLC**, *Embellishing the family photograph. A study of the allure of the exotic*, Footscray Community Arts Centre, Melbourne (2000) [L9]

**Quon, JW**, *Ballast Exchange*, Launceston (2000) [L9]

**Quon, JW**, *Ecological Roulette - Multi-media installation*, University of Tasmania, Dept of Plant Sciences, Hobart (2000) [L9]

**Ruffels, TD**, *Hood (CAST)*, CAST Gallery, Hobart, Hobart, 32 (2000) [L9]

**Watt, YM**, *Tales from the dark side*, Beaver Galleries, Canberra (2000) [L9]

## Thesis Accepted for Higher Degree

**Greenshields, BR**, 'The Language of Food and Eating within a Context of Three Dimensional Still Life' (2000) [M1]

**Ky, M**, 'Metamorphosis of the Layered Motifs: Self-portraiture and the Metamorphosis of the Pattern/Grid in Printmaking' (2000) [M1]

**Porteous, MMR**, 'Wallflower: An exploration of Female Self-Representation' (2000) [M1]

**Schlitz, MJ**, 'Language of the Mute: A Visual Interrogation of Arago's Image 'Baie des Chiens-marins, presqu'île Peron. Entrevue avec les Sauvages' (2000) [M1]

**Sullivan, AJ**, 'Shoppinglands: Reflections on the Ideology of Consumption and the Construction of Identity in Hobart Advertising' (2000) [M1]

**Vella, JM**, 'A Re-presentation of Object Phenomena through the Medium of Painting' (2000) [M1]

**Ball, JMS**, 'The Image of Reality: Its Relationship to Photography' (2000) [M3]

**Hudson, WZ**, 'Props for Social Discourse' (2000) [M3]

**Vongphantuset, J**, 'Buddhist Philosophy, Nature and Harmony: Implications for Product Design' (2000) [M3]

## Other Public Output

**Rhodes, BL**, 'Death and Decoration (Siglo)', *Siglo*, Siglo: journal for the arts, Hobart, 1, 13 (2000) [O2]

**Quon, JW**, 'Media Interview', *Drive Time*, Jules Retro, ABC Radio, Hobart (2000) [O3]

**Gough, JA**, 'Residency', *Dombrovskis Wilderness residency*, Arts Tasmania, Hobart (2000) [O6]

**Johnson, KL, Ryan, SL**, 'A Collaborative Exhibition', *New Media Fund: New Work*, Australia Council, Sydney (2000) [O6]

**Keating, MJ**, 'Asialink Beijing Residency', Asialink/Australia Council, Sydney (2000) [O6]

**Lim, J**, 'Between Thoughts', *19th UOB Painting of the Year Exhibition*, United Overseas Bank Group, Singapore (2000) [O6]

**Ruffels, TD**, 'Samstag', *Anne and Gordon Samstag International Visual Arts Scholarships*, University of South Australia, Adelaide (2000) [O6]

# Asian Languages and Studies

## Journal Article

**Zhang, ESQ**, Gao, MCF, 'Depoliticization in the field of English teaching in China: a comparative study of two English course books', *Pacific Asian Education*, **12** (1) 60-74 (2000) [A1]

## Conference Publication

**Scott, JM**, 'Paradox in the writing of Furui Yoshikichi', *Coloniality, postcoloniality and modernity in Japan*, Melbourne, 251-260 (2000) [F1]

# English and European Languages and Literatures

## Book

**Eastman, B**, *Nan Chauncy: A Writer's Life*, The Friends of Chauncy Vale Inc., Bagdad, Tasmania, 79 (2000) [B2]

## Conference Publication

**Polack, FM**, 'Writing and Rewriting the Island: Tasmania, Politics, and Contemporary Australian Fiction', *Message in a Bottle: The Literature of Small Islands*, Charlottetown, Canada, 215-229 (2000) [F2]

## Thesis Accepted for Higher Degree

**Eastman, B**, 'Nan Chauncer's *Comfort Me with Apples*' (2000) [M1]

**Vines, HM**, 'Redefining Eve Langley: Eve Langley and Her Editors' (2000) [M1]

**Breen, AJ**, 'Creating a Place: Woman, Land and Improvisation' (2000) [M3]

**Rockel, AM**, 'Reframing: Transformations of Subjectivity through Writing' (2000) [M3]

# Government

## Journal Article

Haward, MG, **Zwart, IC**, 'Local Government in Tasmania: Reforming and Restructuring', *Australian Journal of Public Administration*, **59** (3) 34-48 (2000) [A1]

**Shelley, R**, 'Political Globalisation and the Politics of International Non-governmental Organisations: The Case of Village Democracy in China', *Australian Journal of Political Science*, **35** (2) 225-238 (2000) [A1]

**Cichon, TT**, 'The Corrymeela Community: 'The Hill of Hope' or an Illusion?', *The Online Journal of Peace and Conflict Resolution*, **3** (3) ej (2000) [A2]

**Cichon, TT**, 'William Bostock's 'Disturbed Mental States': A Response', *Perspectives: A Mental Health Magazine*, **5** (1 February - March 2000) EJ (2000) [A2]

**Shelley, R**, 'Review of 'Constructing World Culture: International Nongovernmental Organizations Since 1875', John Boli and George M. Thomas (eds)', *Australian Journal of Political Science*, **35** (2) 346-347 (2000) [A4]

## Book

He, B, **Guo, YJ**, *Nationalism, National Identity and Democratization in China*, Ashgate, Aldershot UK, 240 (2000) [B1]

**Massina, MJ**, White, RD (ed), *Beyond Imprisonment: Conference Proceedings*, ACYS Publishing, University of Tasmania, Sandy Bay, Tasmania, 82 (2000) [B3]

Thesis Accepted for Higher Degree

**Cichon, TT**, 'The Church and the Conflict in Northern Ireland: A Case for Corrymeela?' (2000) [M1]

**Patmore, PJ**, 'Structure and Ideology in the Tasmanian Labor Party: Postmaterialism and Party change' (2000) [M3]

**Standish, CJ**, 'The Art of Governing Conduct: Liberalism and the Paradox of Regulated Freedom' (2000) [M3]

# History and Classics

## Journal Article

**Walker, MJ**, 'The Road to Eden: the Pioneer Avenue between Launceston and Hobart', *Tasmanian Historical Studies*, 7 (1) 81-93 (2000) [A1]

## Conference Publication

**Grube, DC**, 'Historians and the Ripper', *Europe - Divided or United?: Proceedings of the Twelfth Biennial Conference of the Australasian Association for European History*, University of Western Australia, 167-180 (2000) [F1]

## Thesis Accepted for Higher Degree

**Campbell, I**, 'Memorials for the Living: A cross-cultural analysis of mythology & representations of the battle of the Atlantic 1939-1945' (2000) [M1]

**Spinks, J**, 'Louis XIV's Youthful Spirit: The 1699 Redecoration of the Versailles Menagerie' (2000) [M1]

**Whitton, MW**, 'Wyndham Lewis: a history of hatred' (2000) [M1]

**Allahyari, T**, 'An examination of experiences of mothers of children with Down Syndrome: A two country comparison' (2000) [M3]

# Philosophy

## Journal Article

Dowe, P, **Parsell, MG**, 'Jung's Concept of Coincidence', *Facta Philosophica*, 2 (2) 203-211 (2000) [A1]

## Thesis Accepted for Higher Degree

**Parsell, MG**, 'Superpositional Belief: Sub-Symbolic Processing as a Platform for a Folk Conception of Mind' (2000) [M3]

**Townley, C**, 'Knowledge, Community and Ignorance' (2000) [M3]

# Sociology and Social Work

## Journal Article

**Donoghue, J**, 'Taking the Stock out of Public Housing', *National Housing Action*, **14** (2) 3-8 (2000) [A4]

## Conference Publication

**Walter, MM**, 'Australian Non-custodial Unwed Fathers: What is their level of parental involvement?', *7th Australian Institute of Family Studies Conference*, Sydney, 1-13 (2000) [F2]

# Visual and Performing Arts

## Journal Article

**Nielsen-Creeley, KM**, 'Research and the Artefact-Historic Ceramic Objects used by the Nursing Profession', *Health and Medicine Museums Newsletter*, **18** (June 2000) 5-6 (2000) [A3]

## Conference Publication

**Nielsen-Creeley, KM**, '21st Century Modernism? Critical Reflections on Art History Today', *21st Century Modernism*, Brisbane, 1 (2000) [F3]

## Creative Work

**Anderson, M**, *Ancient Everyday Extensions*, University of Tasmania, Launceston, 4 (2000) [L10]

**Anglesey, JN**, *Eroding Interface 1;2;3*, University of Tasmania, Launceston, 1 (2000) [L10]

**Anglesey, JN**, *Loves me? Loves me knot?*, University of Tasmania, Launceston, 1 (2000) [L10]

**Anglesey, JN**, *Sampler*, University of Tasmania, Launceston, 1 (2000) [L10]

**Broad, EC**, *Stitch 1-4*, Synergy Centro Launceston, Launceston, 1 (2000) [L10]

**Broad, EC**, *Tools: Prickly little; Emergency; Dressmaking*, University Gallery, Launceston, 1 (2000) [L10]

**Broad, EC**, *Undercurrents*, University of Tasmania, Launceston, 1 (2000) [L10]

**Glade-Wright, RE**, *Design Equals Furniture and Fibre*, Long Gallery Hobart, Hobart, 1 (2000) [L10]

**Glade-Wright, RE**, *Sculptural and Decorative Textiles*, Nisart Gallery Launceston, Launceston, 1 (2000) [L10]

**Glade-Wright, RE**, *Wall-to-Wall*, University Gallery, Launceston, 1 (2000) [L10]

**Nielsen-Creeley, KM**, *Recipes: Pap/ Posset/ Tea*, University of Tasmania, Launceston, 1 (2000) [L10]

**Anderson, M**, *Schemes*, Rostella Gallery, Launceston, 2 (2000) [L9]

**Nielsen-Creeley, KM**, *Stain*, Tasmanian Regional Arts, Launceston, 2 (2000) [L9]

**Nielsen-Creeley, KM**, *Still Life Shadow*, University of Tasmania, Launceston, 1 (2000) [L9]

## Thesis Accepted for Higher Degree

**Broad, EC**, 'White2: The development of modernism in Australia (1850-1930) and the significant contribution made by women through domestic decoration and design' (2000) [M1]

**Postgraduate Research Activity**

---

**2000**

**Commerce and Law**

# Accounting and Finance

## Journal Article

**Chalmers, KG**, Godfrey, JM, 'Practice Versus Prescription In The Disclosure And Recognition Of Derivatives', *Australian Accounting Review*, **11** (2) 40-50 (2000) [A3]

**Chalmers, KG**, Godfrey, JM, 'Practice Versus Prescription In The Disclosure And Recognition Of Derivatives', *Australian Accounting Review*, **11** (2) 40-50 (2000) [A3]

# Economics

## Journal Article

Felmingham, BS, **Zhang, Q**, Healy, TJ, 'The Interdependence of Australian and Foreign Real Interest Rates', *The Economic Record*, **76** (233) 163-171 (2000) [A1]

# Information Systems

## Conference Publication

**Chau, S, Pedersen, SG**, 'Small is Beautiful: The Emergence of New Micro Business Utilising Electronic Commerce', *ACIS 2000*, Brisbane Australia, 1-8 (2000) [F1]

**Pedersen, SG, Chau, S**, 'Electronic Procurement Systems Application and Improvement', *ACIS 2000*, Brisbane Australia, 1-6 (2000) [F1]

# Law

## Journal Article

**Middleton, SL**, 'Anstis v Anstis (No. 1)', *Current Family Law*, **6** (4) 173-176 (2000) [A4]

**Middleton, SL**, 'Anstis v Anstis (No.2)', *Current Family Law*, **6** (4) 176-179 (2000) [A4]

**Middleton, SL**, 'Care v Reissner', *Current Family Law*, **6** (1) 27-33 (2000) [A4]

**Middleton, SL**, 'Ferrier-Watson v McElrath', *Current Family Law*, **6** (5) 209-215 (2000) [A4]

**Middleton, SL**, 'Harris v Harris', *Current Family Law*, **6** (2) 90-92 (2000) [A4]

**Middleton, SL**, 'Hatton v Attorney-General of the Commonwealth of Australia, Commonwealth Bank of Australia and Commonwealth Development Bank of Australia', *Current Family Law*, **6** (6) 237-239 (2000) [A4]

**Middleton, SL**, 'L v T', *Current Family Law*, **6** (2) 84-89 (2000) [A4]

**Middleton, SL**, 'SMG v RAM', *Current Family Law*, **6** (5) 205-208 (2000) [A4]

**Middleton, SL**, 'Stein v Stein', *Current Family Law*, **6** (3) 124-127 (2000) [A4]

## Review

**Mora, J**, James, P\*, 'Heritage Law', *Planning Law in Australia*, **1** (1) 7071-7124 (2000) [D1]

# Management

## Conference Publication

Dowling, PJ, Liesch, PW\*, Flint, JA\*, As-Saber, SN, **Chan, K**, Innes, PA, 'Management strategies of Australian firms exporting to Asia', *Academy of International Business 2000 Annual Meeting*, Phoenix, Arizona (2000) [F3]

## Other Public Output

**Chadwick, SA**, Hanson, DJ, 'Environmental Management, Structure, Networks & Information Exchange: The Case of a Tasmanian Pulp and Paper Mill', *School of Management Working Paper Series*, School of Management, Launceston, **20**, 08 (2000) [O5]

**Postgraduate Research Activity**

---

**2000**

**Education**

# Early Childhood and Primary Education

**Thesis Accepted for Higher Degree**

**Allahyari, T**, 'An Examination of Experiences of Mothers of Children with Down Syndrome: A Two Country Comparison' (2000) [M4]

# Secondary and Post-Compulsory Education

## Chapter in Book

**Quartermaine, P**, 'Chapter 7 Papua New Guinea', *Teacher Education in the Asia-Pacific Region - A Comparative Study*, Falmer Press, Paul Morris & John Williamson (ed), New York, 151-173 (2000) [C1]

## Conference Publication

Owen, C, **Bound, HI**, 'Strategic alliances and the new world of work: some preliminary findings', *Future Research Research Futures*, Canberra, 311-318 (2000) [F2]

**Gardner, CM**, Williamson, JC, 'Improving policy processes; advancing the development of the teacher feedback loop', *AARE Sydney 2000 Conference*, Sydney, 1 (2000) [F3]

**Gardner, CM**, Williamson, JC, 'Reconciling the policy process: The need to include teachers', *Education: The Global Challenge International Conference*, Hobart, 1 (2000) [F3]

**Gardner, CM**, Williamson, JC, 'There's many a slip 'tween cup and lip ... A case study of educational policy implementation in a changing context', *AARE-NZARE Conference 1999*, Melbourne, 1-12 (1999) [F3]

## Contract Report, Consultant's Report

Balatti, J, **Bound, HI**, Falk, IH, Golding, B, Johns, SM, Kilpatrick, SI, Owen, C, Rosenblatt, T, Smith, T, Williamson, JC, *Managing Change through VET. The role of vocational education and training in regional Australia*, ANTA (2000) [I1]

# Secondary and Post-Compulsory Education

## Centre for Research and Learning in Australia

### Conference Publication

Owen, C, **Bound, HI**, 'Strategic alliances and the new world of work: some preliminary findings', *Future Research Research Futures*, Canberra, 311-318 (2000) [F2]

### Contract Report, Consultant's Report

Balatti, J, **Bound, HI**, Falk, IH, Golding, B, Johns, SM, Kilpatrick, SI, Owen, C, Rosenblatt, T, Smith, T, Williamson, JC, *Managing Change through VET. The role of vocational education and training in regional Australia*, ANTA (2000) [I1]

**Postgraduate Research Activity**

---

**2000**

**Health Science**

# Biomedical Science

## Journal Article

**Griffiths, CD, Vincent, MA**, Szallasi, A\*, Colquhoun, EQ, Geraghty, DP, 'Functional and desensitizing effects of the novel synthetic vanilloid-like agent 12-phenylacetate 13-acetate 20-homovanillate (PPAHV) in the perfused rat hindlimb', *British Journal of Pharmacology*, **131** 1408-1412 (2000) [A1]

**Hobby, AC**, Geraghty, DP, Pankhurst, NW, 'Differences in binding characteristics of sex steroid binding protein in reproductive and nonreproductive female rainbow trout (*Oncorhynchus mykiss*), black bream (*Acanthopagrus butcheri*), and greenback flounder (*Rhombosolea tapirina*)', *General and Comparative Endocrinology*, **120** 249-259 (2000) [A1]

**Mazzone, SB**, Geraghty, DP, 'Characterization and regulation of tachykinin receptors in the nucleus of the solitary tract', *Clinical and Experimental Pharmacology and Physiology*, **27** 939-942 (2000) [A1]

**Mazzone, SB**, Geraghty, DP, 'Respiratory actions of tachykinins in the nucleus of the solitary tract: characterization of receptors using selective agonists and antagonists', *British Journal of Pharmacology*, **129** 1121-1131 (2000) [A1]

**Mazzone, SB**, Geraghty, DP, 'Respiratory actions of tachykinins in the nucleus of the solitary tract: effect of neonatal capsaicin pretreatment', *British Journal of Pharmacology*, **129** 1132-1139 (2000) [A1]

## Conference Publication

Geraghty, DP, Colquhoun, EQ, **Griffiths, CD**, 'Nitric oxide-dependent and -independent actions of CGRP and tachykinins in the perfused rat hindlimb', *Proceedings of ASCEPT*, Melbourne, 140 (2000) [F3]

**Hobby, AC**, Pankhurst, NW, Geraghty, DP, 'Relative binding affinities of steroids for sex steroid binding protein (SBP) are similar despite differences between species in affinity and capacity for estradiol', *Proceedings of the 6th International Symposium of the Reproductive Physiology of Fish*, Bergen, Norway, 177 (2000) [F3]

**Mazzone, SB, Griffiths, CD**, Colquhoun, EQ, Geraghty, DP, 'Differences in the central and peripheral activity of the synthetic vanilloid, 12-phenylacetate 13-acetate 20-homovanillate (PPAHV)', *Proceedings of ASCEPT*, Melbourne, 102 (2000) [F3]

**Mazzone, SB**, Geraghty, DP, 'Respiratory actions of naturally-occurring and synthetic vanilloids in the nucleus of the solitary tract', *Proceedings of Tachykinins 2000*, La Grande Motte, France, 70 (2000) [F3]

# Medicine

## Anatomy and Physiology

### Journal Article

Chuah, MI, Cossins, JM, **Woodhall, E**, Tennent, R, Nash, G\*, West, AK, 'Glial Growth Factor 2 induces proliferation and structural changes in ensheathing cells', *Brain Research*, **857** (1-2) 265-274 (2000) [A1]

Dziegielewska, KM, Moller, JM, Potter, A, **Ek, J**, Lane, MA, Saunders, NR, 'Acute-phase cytokines IL-1 and TNF- in brain development', *Cell and Tissue Research*, **299** 335-345 (2000) [A1]

Dziegielewska, KM, Daikuhara, Y\*, Ohnishi, T\*, Waite, MPE\*, **Ek, J**, Habgood, MD, Lane, MA, Potter, A, Saunders, NR, 'Fetuin in the developing neocortex of the rat: distribution and origin', *The Journal of Comparative Neurology*, **423** 373-388 (2000) [A1]

**Fry, EJ**, Saunders, NR, 'Spinal repair in immature animals: a novel approach using the south american opossum *Monodelphis domestica*', *Clinical and Experimental Pharmacology and Physiology*, **27** 542-547 (2000) [A1]

### Conference Publication

**Ek, CJ**, Habgood, MD, Weller, WL, 'Permeability and route for lipid insoluble molecules into the CNS during development', *Society for Neuroscience Abstracts*, New Orleans, 2115 (2000) [F3]

**Ek, J**, Habgood, MD, 'Blood-brain barrier permeability decreases with development', *Proceedings of the Australian Neuroscience Society*, Melbourne, 128 (2000) [F3]

**Fry, EJ**, Saunders, NR, 'Axonal projections through a spinal transection site in the neonatal *Monodelphis domestica*', *Congress Program and Abstract book*, Sydney, 42 (2000) [F3]

**Fry, EJ**, Chuah, MI, Saunders, NR, 'Early spinal repair following a neonatal transection in the opossum, *Monodelphis domestica*', *Society for Neuroscience Abstracts*, New Orleans, 862 (2000) [F3]

**Fry, EJ**, Saunders, NR, 'The origins of descending projections across a complete spinal transection in opossums, *Monodelphis domestica*', *Proceedings of the Australian Neuroscience Society*, Melbourne, 186 (2000) [F3]

**Lane, MA**, Saunders, NR, 'Correlation Between Functional and Morphological Repair Following a Complete Spinal Cord Transection', *Proceedings for the Australian Neuroscience Society*, Melbourne, Victoria, 113 (2000) [F3]

Saunders, NR, **Fry, EJ**, **Lane, MA**, Dziegielewska, KM, 'Recovery from injury in immature spinal cord', *5th Scientific Congress, Sydney 2000 Paralympic Games*, Sydney, Australia, 27 (2000) [F3]

**Woodhall, E**, West, AK, Chuah, MI, 'Olfactory ensheathing cells produce NGF, BDNF, GDNF and neuregulins in culture', *Conference Proceedings*, Gold Coast, Queensland, Aust, 159 (2000) [F3]

**Chung, RS**, Choi-Lundberg, DL, **Woodhall, E**, Chuah, MI, West, AK, 'A rat spinal lesion model to investigate olfactory ensheathing cell transplantation in CNS injury', *Combined conference abstracts*, Wellington, NZ, 2-16 (2000) [F4]

Eckhardt, BL, **Chung, RS**, Harris, JA, Vickers, JC, Chuah, MI, West, AK, 'Production of neuro-active metallothionein-III isoforms and assay of their action in a rat model of cortical damage', *Combined conference abstracts*, Wellington, NZ, 2-15 (2000) [F4]

# Medicine

## Biochemistry

### Journal Article

Chuah, MI, Cossins, JM, **Woodhall, E**, Tennent, R, Nash, G\*, West, AK, 'Glial Growth Factor 2 induces proliferation and structural changes in ensheathing cells', *Brain Research*, **857** (1-2) 265-274 (2000) [A1]

Clark, MG, **Clerk, LH, Newman, JMB**, Rattigan, S, 'Interaction between metabolism and flow in tendon and muscle', *Scandinavian Journal of Medicine and Science in Sports*, **10** 338-345 (2000) [A1]

Clark, MG, Rattigan, S, **Clerk, LH, Vincent, MA**, Clark, ADH, **Youd, JM, Newman, JMB**, 'Nutritive and non-nutritive blood flow: rest and exercise', *Acta Physiologica Scandinavica*, **168** 519-530 (2000) [A1]

**Clerk, LH**, Smith, ME, Rattigan, S, Clark, MG, 'Increased chylomicron triglyceride hydrolysis by connective tissue flow in perfused rat hindlimb: Implications for lipid storage', *Journal of Lipid research*, **41** 329-335 (2000) [A1]

**Griffiths, CD, Vincent, MA**, Szallasi, A\*, Colquhoun, EQ, Geraghty, DP, 'Functional and desensitizing effects of the novel synthetic vanilloid-like agent 12-phenylacetate 13-acetate 20-homovanillate (PPAHV) in the perfused rat hindlimb', *British Journal of Pharmacology*, **131** 1408-1412 (2000) [A1]

**Newman, JMB, DiMaria, CA**, Rattigan, S, **Steen, JT**, Miller, KA, **Eldershaw, TPD**, Clark, MG, 'Relationship of MTT reduction to stimu-

lants of muscle metabolism', *Chemico-Biological Interactions*, **128** 127-140 (2000) [A1]

**Youd, JM**, Rattigan, S, Clark, MG, 'Acute impairment of insulin-mediated capillary recruitment and glucose uptake in rat skeletal muscle in vivo by TNF - *Diabetes*, **49** 1904-1909 (2000) [A1]

### Chapter in Book

Clark, MG, **Vincent, MA**, 'Preparation and properties of isolated hepatocytes from sheep', *The Hepatocyte Review*, Kluwer Academic Publishers, Berry, Michael N., and Edwards, Anthony M. (ed), Dordrecht, NL, 25-34 (2000) [C1]

### Conference Publication

**Parry, NFG**, Sallis, JD, 'Distribution of phosphocitrate after intravenous administration to the rat', *Urolithiasis 2000*, Cape Town, South Africa, 204-205 (2000) [F1]

Clark, MG, **Youd, JM, Newman, JMB**, Rattigan, S, 'Sciatic nerve severance produces insulin resistance without changes in 1-MX metabolism', *Diabetes, vol 49, Supplement 1*, San Antonio, TX, USA, 1736-PO (2000) [F3]

**Clerk, LH**, Smith, ME, Rattigan, S, Clark, MG, 'Haemodynamic insulin resistance increases fatty acid uptake by connective tissue adipocytes in red muscles', *Diabetologia, vol 43, Supplement 1*, Jerusalem, Israel, A163 (2000) [F3]

Geraghty, DP, Colquhoun, EQ, **Griffiths, CD**, 'Nitric oxide-dependent and -independent

actions of CGRP and tachykinins in the perfused rat hindlimb', *Proceedings of ASCEPT*, Melbourne, 140 (2000) [F3]

**Mazzone, SB, Griffiths, CD**, Colquhoun, EQ, Geraghty, DP, 'Differences in the central and peripheral activity of the synthetic vanilloid, 12-phenylacetate 13-acetate 20-homovanillate (PPAHV)', *Proceedings of ASCEPT*, Melbourne, 102 (2000) [F3]

**Woodhall, E**, West, AK, Chuah, MI, 'Olfactory ensheathing cells produce NGF, BDNF, GDNF and neuregulins in culture', *Conference Proceedings*, Gold Coast, Queensland, Aust, 159 (2000) [F3]

**Chung, RS**, Choi-Lundberg, DL, **Woodhall, E**, Chuah, MI, West, AK, 'A rat spinal lesion model to investigate olfactory ensheathing cell transplantation in CNS injury', *Combined conference abstracts*, Wellington, NZ, 2-16 (2000) [F4]

Eckhardt, BL, **Chung, RS**, Harris, JA, Vickers, JC, Chuah, MI, West, AK, 'Production of neuroactive metallothionein-III isoforms and assay of their action in a rat model of cortical damage', *Combined conference abstracts*, Wellington, NZ, 2-15 (2000) [F4]

## Thesis Accepted for Higher Degree

**Vincent, MA**, 'Vascular effects of vasoconstrictors on muscle metabolism' (2000) [M3]

**Youd, JM**, 'Nutritive and non-nutritive blood flow in muscle' (2000) [M3]

# Medicine

## Medicine (Discipline)

### Conference Publication

**Thongsna, S**, Kilpatrick, D, 'Epicardial ST potential ratios in acute infarction related to infarction size', *Program & Abstracts*, Melbourne, 154 (2000) [F3]

# Medicine

## Pathology

### Journal Article

**Adlard, PA, King, CE**, Vickers, JC, 'The Effects of Taxol on the Central Nervous System Response to Physical Injury', *Acta Neuropathologica*, **100** (2) 183-188 (2000) [A1]

**Bettioli, SS**, Obendorf, DL, Nowarkowski, M, Milstein, TC, Goldsmid, JM, 'Earthworms as Paratenic Hosts of Toxoplasmosis in Eastern Barred Bandicoots', *Journal of Wildlife Diseases*, **36** (1) 145-148 (2000) [A1]

**Bettioli, SS**, Obendorf, DL, Nowarkowski, M, Goldsmid, JM, 'Pathology of Experimental Toxoplasmosis in Eastern Barred Bandicoots in Tasmania', *Journal of Wildlife Diseases*, **36** (1) 141-144 (2000) [A1]

**Dickson, TC, Adlard, PA**, Vickers, JC, 'Sequence of Cellular Changes Following Localized Axotomy to Cortical Neurons in Glia-Free Culture', *Journal of Neurotrauma*, **17** (11) 1095-1103 (2000) [A1]

**King, CE, Dickson, TC**, Jacobs, I, McCormack, GH, Riederer, BM\*, Vickers, JC, 'Acute CNS axonal injury models a subtype of dystrophic neurite in Alzheimer's Disease', *Alzheimer's Reports*, **3** (1) 31-40 (2000) [A1]

**King, CE, Adlard, PA, Vickers, JC**, 'Neuronal Response to Physical Injury and its Relationship to the Pathology of Alzheimer's Disease', *Clinical and Experimental Pharmacology and Physiology*, **27** (7) 548-552 (2000) [A1]

Kirov, SM, **Barnett, TC**, Pepe, CM\*, Strom, MS\*, Albert, JM\*, 'Investigation of the Role of Type IV *Aeromonas Pilus* (Tap) in the Pathogenesis of *Aeromonas* Gastrointestinal Infection', *Infection and Immunity*, **68** (7) 4040-4048 (2000) [A1]

Vickers, JC, **Dickson, TC, Adlard, PA, Saunders, HL, King, CE**, McCormack, GH, 'The Cause of Neuronal Degeneration in Alzheimer's disease', *Progress in Neurobiology*, **60** (2) 140-165 (2000) [A1]

Woods, GM, Doherty, KV, Malley, RC, **Rist, MJ**, Muller, HK, 'Carcinogen-modified dendritic cells induce immunosuppression by incomplete T-cell activation resulting from impaired antigen uptake and reduced CD86 expression', *Immunology*, **99** (1) 16-22 (2000) [A1]

### Conference Publication

**Lane, MA**, Saunders, NR, 'Correlation Between Functional and Morphological Repair Following a Complete Spinal Cord Transection', *Proceedings for the Australian Neuroscience Society*, Melbourne, Victoria, 113 (2000) [F3]

**Lane, MA**, Dziegielewska, KM, 'The Presence of Myelinated Axons Correlates with Functional Recovery Following Complete Spinal Cord Transection', *5th Scientific Congress, Sydney 200 Paralympic Games*, Sydney, Australia, 42 (2000) [F3]

Marsden, VS, Woods, GM, **Trambas, CM**, Muller, HK, 'Expression of P-glycoprotein by Dendritic Cells is not Required for Function',

*6th International Symposium on Dendritic Cells*, Port Douglas, 74 (2000) [F3]

Saunders, NR, **Fry, EJ, Lane, MA**, Dziegielewska, KM, 'Recovery from injury in immature spinal cord', *5th Scientific Congress, Sydney 200 Paralympic Games*, Sydney, Australia, 27 (2000) [F3]

**Trambas, CM**, Wang, Z, Woods, GM, 'Expression of Small Molecular Weight P-glycoprotein in NK Cells and Association with Restricted Transport Function', *The 18th Natural Killer Cell Workshop*, Marseille, France, IX-12 (2000) [F3]

Vickers, JC, **Adlard, PA**, Coleman, B, **Dickson, TC**, Jacobs, I, **King, CE**, 'Reactive and Regenerative Changes Following in vivo and in vitro Experimental Axotomy of Mature Cortical Neurons', *Restorative Neurology and Neuroscience*, Garmisch-Partenkirchen, Germany, 185 (2000) [F3]

Woods, GM, **Chen, YP**, Doherty, KV, Toh, BH\*, Muller, HK, 'Protection Against Autoimmune Disease by Immunisation Through Skin Containing Immature Langerhans Cells', *6th International Symposium on Dendritic Cells*, Port Douglas, 127 (2000) [F3]

**Bettiol, SS**, Goldsmid, JM, 'Protozoan Infections of Marsupials in Tasmania', *Proceedings of the Annual Scientific Meeting Australasian Tropical Health Conference*, Noosa, Queensland, 80 (2000) [F4]

Eckhardt, BL, **Chung, RS**, Harris, JA, Vickers, JC, Chuah, MI, West, AK, 'Production of neuro-active metallothionein-III isoforms and assay of their action in a rat model of cortical damage', *Combined conference abstracts*, Wellington, NZ, 2-15 (2000) [F4]

### Thesis Accepted for Higher Degree

**Barnett, TC**, 'A Genetic and Functional Analysis of Type IV Pili produced by *Aeromonas* bacteria' (2000) [M3]

**Bettiol, SS**, 'Diseases of the Eastern Barred Bandicoot (*Perameles gunnii*) with Special Reference to Toxoplasmosis and the Marsupial Immune System' (2000) [M3]

**Dickson, TC**, 'The Cellular Mechanism Underlying Neuronal Changes in Alzheimer's Disease' (2000) [M3]

**Rist, MJ**, 'Phenotypic and Functional Analysis of Antigen Presenting Cells in a Murine Model of Cutaneous Carcinogenesis' (2000) [M3]

# Medicine

# Psychiatry

## Conference Publication

**Matthews, AJ**, Martin, F, Kirkby, KC, 'The effects of single-dose lorazepam on memory and behavioural learning', *Australian Journal of Psychology*, Novotel Twin Waters Resort, Queensland, 40-41 (2000) [F3]

# Menzies Centre

## Journal Article

Blizzard, CL, **Grimmer, KA**, Dwyer, T, 'Validity of a measure of the frequency of headaches with overt neck involvement, and reliability of measurement of cervical spine anthropometric and muscle performance factors', *Archives of Physical Medicine and Rehabilitation*, **81** 1204-1210 (2000) [A1]

## Conference Publication

Wirth, G\*, Sale, MM, Mackey, DA, Russell-Eggitt, I\*, Craig, JE, **Charlesworth, JC**, Elder, J\*, 'Inheritance of paediatric and congenital cataracts', *The Association for Research in Vision and Ophthalmology*, Fort Lauderdale, Florida, S2 (2000) [F3]

## Other Public Output

**van der Mei, I**, 'MS Environmental Study', *ABC Radio*, Tasmania, 20/12/2000 (2000) [O3]

# Pharmacy

## Journal Article

**Boyle, RR**, McLean, SR, Davies, NW, 'Biotransformation of 1,8-cineole in the brushtail possum (*Trichosurus vulpecula*)', *Xenobiotica*, **30** (9) 915-932 (2000) [A1]

**Boyle, RR**, McLean, SR, Foley, W\*, Moore, B\*, Davies, NW, Brandon, S, 'Fate of the dietary terpene, *p*-cymene, in the male koala', *Journal of Chemical Ecology*, **26** (5) 1095-1111 (2000) [A1]

Liapis, P\*, **Pass, GJ**, McKinnon, R\*, Stupans, I\*, 'Characterisation of tolbutamide hydroxylase activity in the common brushtail possum, (*Trichosurus vulpecula*) and koala (*Phascolarctos cinereus*: inhibition by the *Eucalyptus* terpene 1,8-cineole', *Comparative Biochemistry and Physiology Part C*, **127** 351-357 (2000) [A1]

**Pass, GJ**, Foley, WJ\*, 'Plant secondary metabolites as mammalian feeding deterrents: separating the effects of the taste of salicin from its post-ingestive consequences in the common brushtail possum (*Trichosurus vulpecula*)', *Journal of Comparative Physiology Part B*, **170** 185-192 (2000) [A1]

## Conference Publication

**Pass, GJ**, McLean, SR, 'Effect of cytochrome P450 inhibitors on *in vitro* metabolism of 1,8-cineole in the common brushtail possum (*Trichosurus vulpecula*)', *Proceedings of ASCEPT*, Newcastle, 104 (2000) [F3]

**Postgraduate Research Activity**

---

**2000**

**Science and Engineering**

# Agricultural Science

## Journal Article

**Barry, KM**, Pearce, RB\*, Mohammed, CL, 'Properties of reaction zones associated with decay from pruning wounds in plantation-grown *Eucalyptus nitens*', *Forest Pathology*, **30** (2000) 233-245 (2000) [A1]

Bowman, JP, **Rea, SM**, McCammon, SA, McMeekin, TA, 'Diversity and community structure within anoxic sediment from marine salinity meromictic lakes and a coastal meromictic marine basin, Vestfold Hills, Eastern Antarctica', *Environmental Microbiology*, **2** 81-88 (2000) [A1]

Bowman, JP, McCammon, SA, **Rea, SM**, McMeekin, TA, 'The microbial composition of three limnologically disparate hypersaline Antarctic lakes', *FEMS Microbiology Letters*, **183** (2000) 81-88 (2000) [A1]

**Close, DC**, Beadle, CL, Brown, PH, Holz, GK, 'Cold-induced photoinhibition affects establishment of *Eucalyptus nitens* (Deane and Maiden) Maiden and *Eucalyptus globulus* Labill', *Trees-Structure & Function*, **15** (1) 32-41 (2000) [A1]

**Gracie, AJ**, Brown, PH, Burgess, SW, Clark, RJ, 'Rhizome dormancy and shoot growth in myoga (*Zingiber mioga* Roscoe', *Scientia Horticulturae*, **84** (1-2) 27-36 (2000) [A1]

**Jackson, MJ**, Line, MA, Wilson, SJ, Hetherington, S\*, 'Application of Composted Pulp and Paper Mill Sludge to a Young Pine Plantation', *Journal of Environmental Quality*, **29** (2) 407-414 (2000) [A1]

**Lewis, TE**, Nichols, PD\*, McMeekin, TA, 'Evaluation of extraction methods for recovery of fatty acids from lipid-producing micro-heterotrophs', *Journal of Microbiological Methods*, **43** 107-116 (2000) [A1]

**Lisson, SN**, Mendham, NJ, 'Cultivar, sowing date and plant density studies of fibre hemp (*Cannabis sativa* L.) in Tasmania', *Australian Journal of Experimental Agriculture*, **40** 975-986 (2000) [A1]

**Lisson, SN**, Mendham, NJ, Carberry, PS\*, 'Development of a hemp (*Cannabis sativa* L.) simulation model 1. General introduction and the effect of temperature on the pre-emergent development of hemp', *Australian Journal of Experimental Agriculture*, **40** 405-411 (2000) [A1]

**Lisson, SN**, Mendham, NJ, Carberry, PS\*, 'Development of a hemp (*Cannabis sativa* L.) simulation model 2. The Flowering response of two hemp cultivars to photoperiod', *Australian Journal of Experimental Agriculture*, **40** 413-417 (2000) [A1]

**Lisson, SN**, Mendham, NJ, Carberry, PS\*, 'Development of a hemp (*Cannabis sativa* L.) simulation model 3. The effect of plant density on leaf appearance, expansion and senescence', *Australian Journal of Experimental Agriculture*, **40** 419-423 (2000) [A1]

**Lisson, SN**, Mendham, NJ, Carberry, PS\*, 'Development of a hemp (*Cannabis sativa* L.) simulation model 4. Model description and validation', *Australian Journal of Experimental Agriculture*, **40** 425-432 (2000) [A1]

McMeekin, TA, **Presser, KA**, Ratkowsky, DA, Ross, T, **Salter, MA**, **Tienungoon, S**, 'Quantifying the hurdle concept by modelling the bacterial growth /no growth interface', *International Journal of Food Microbiology*, **55** (2000) 93-98 (2000) [A1]

**Salter, MA**, Ratkowsky, DA, Ross, T, McMeekin, TA, 'Modelling the combined temperature and salt (NaCl) limits for growth of a pathogenic

*Escherichia coli* strain using nonlinear logistic regression', *International Journal of Food Microbiology*, **61** (2000) 159-167 (2000) [A1]

Seeman, OD\*, **Nahrung, HF**, 'Mites as Fungal Vectors? The Ectoparasitic Fungi of Mites and their Arthropod Associates in Queensland', *Australasian Mycologist*, **1** (19) 3-9 (2000) [A1]

**Smith, MC**, Bowman, JP, Scott, FJ\*, Line, MA, 'Sublithic bacteria associated with Antarctic quartz stones', *Antarctic Science*, **12** (2) 177-184 (2000) [A1]

**Williams, KJ**, Marsden-Smedley, **JB**, 'Reconnaissance survey of a glaucous eucalypt near Louisa Bay, Southwest Tasmania', *Papers and Proceedings of the Royal Society of Tasmania*, **134** 45-54 (2000) [A1]

## Conference Publication

**Barrett, R**, Crowther, PC, Laurence, RCN, Lincolne, R, 'Agricultural Crop Identification using Spot and Landsat Images in Tasmania', *Invited and Presented Papers of the XIXth Congress*, Amsterdam, Netherlands, 133-139 (2000) [F2]

**Close, DC**, Beadle, CL, Hovenden, MJ, Brown, PH, 'Cold induced photoinhibition and xanthophyll-cycle conversion during establishment of *Eucalyptus nitens* seedlings: A possible role for non-xanthophyll cycle-mediated energy quenching?', *Abstracts*, Budapest, s243 (2000) [F2]

**Cumming, JP**, Doyle, RB, Brown, PH, 'Clomazone desorption and estimated bioavailability in four Tasmanian topsoils', *Poster Papers*, Lincoln University, Canterbury NZ, 43-44 (2000) [F2]

**Cumming, JP**, Doyle, RB, Brown, PH, 'Clomazone dissipation in four Tasmanian topsoils', *Oral Papers*, Lincoln University, Canterbury NZ, 73-74 (2000) [F2]

**Gracie, AJ**, Brown, PH, 'Diurnal fluctuations in splitting susceptibility of carrot taproots', *Abstracts*, Budapest, s69 (2000) [F2]

**Johnson, PG**, Sparrow, LA, Doyle, RB, 'Liquid starter fertilisers on phosphorus fixing soils', *Poster Papers*, Lincoln University, Canterbury NZ, 103-104 (2000) [F2]

**Lister, SK**, Line, MA, 'Potential of Sewage Sludge and Compost as Media for Heavy Metal Removal from Contaminated Water Wastes', *Conference Proceedings 2000*, Auckland New Zealand, 148-156 (2000) [F2]

**Mellefont, LA**, Ross, T, McMeekin, TA, Neumeyer, K, 'Induction and Manipulation of Bacterial Lag Times', *Conference Proceedings*, Leuven, Belgium, 70-72 (2000) [F2]

Mohammed, CL, **Barry, KM**, Battaglia, M, Beadle, CL, **Eyles, A**, **Mollon, AD**, Pinkard, E\*, 'Pruning-Associated Stem Defects in Plantation *E. Nitens* and *E. Globulus* Grown for Sawlog Veneer in Tasmania, Australia', *Proceedings*, Launceston, Tasmania, 357-364 (2000) [F2]

**Neilsen, JE**, Rowe, BA, Lane, PA, 'Water Use Efficiency of Four Irrigated Brassica Forage Crops', *Proceedings*, Melbourne, Australia, 436-439 (2000) [F2]

**Osok, RM**, Doyle, RB, 'The stratigraphy of soils formed above dolerite in southeast Tasmania', *Oral Papers*, Lincoln University, Canterbury NZ, 225-226 (2000) [F2]

**Ross, T**, Mellefont, LA, McMeekin, TA, 'Distributions of Relative Lag Times and their Utility', *Conference Proceedings*, Leuven, Belgium, 58-60 (2000) [F2]

**Yee, M**, Yuan, ZQ, Richardson, AMM, Taylor, RJ\*, Mohammed, CL, 'Saproxylous insects and their association with wood decay fungi in Tasmania: Will log size be their downfall?', *To be advised*, To be advised (2000) [F2]

Davies, NW, **Barry, KM**, 'Negative Ion Electrospray HPLC-MS<sup>n</sup> of hydrolyzable tannins', *Book of Abstracts*, Barcelona, 337 (2000) [F3]

Fulton, A, Clark, RJ, **Dargusch, PJ**, **Tabart, TL**, 'Decision making in the farm family business: Implications for the adoption of farm forestry', *2000 Research Colloquium*, ANU, Canberra, ACT, 8 (2000) [F3]

**Lacey, MJ**, Wilson, CR, 'Actinomycetes associated with common scab lesions of potatoes in Tasmania, Australia', *Phytopathology*, New Orleans, USA, S44 (2000) [F3]

**Mellefont, LA**, Ross, T, McMeekin, TA, 'Characterising Bacterial Lag Time Responses', *Oral Presentation*, Cairns, Australia, A32 (2000) [F3]

Peacock, EJ, **Barry, KM**, Mohammed, CL, 'Antimicrobial defence in *Eucalyptus nitens* stems using NMR microscopy', *Book of Abstracts*, Mt Buller, Victoria, 115 (2000) [F3]

**Pethybridge, SJ**, Wilson, CR, Leggett, GW\*, 'Spread of *Prunus* necrotic ringspot virus (pnrsv) in Australian hop gardens', *Phytopathology*, New Orleans, USA, S60 (2000) [F3]

**Shabala, SI**, Shabala, SN, Ross, T, Newman, IA,

McMeekin, TA, 'A novel non-invasive microelectrode technique and its application to membrane transport activity measurements of *Thraustochytrium sp.*', *Joint Scientific Meeting and Exhibition*, Cairns, QLD, A78 (2000) [F3]

**Shabala, SI**, Shabala, SN, Ross, T, Newman, IA, 'Measurements of net fluxes and extracellular concentration changes of H<sup>+</sup> and Ca<sup>2+</sup> of *Escherichia coli* in batch and film cultures using non-invasive ion-selective microelectrodes', *Joint Scientific Meeting and Exhibition*, Cairns, QLD, A141 (2000) [F3]

**Shabala, SI**, Shabala, SN, Ross, T, McMeekin, TA, 'Oscillatory activity and ion flux profiles associated with growth and nutritional status of the marine eukaryote *Thraustochytrium sp.*', *Joint Scientific Meeting and Exhibition*, Cairns, QLD, A140 (2000) [F3]

Shabala, SN, **Shabala, SI**, Ross, T, McMeekin, TA, 'Ion Flux Profiles and Ultradian Oscillatory Activity Associated with Cell Cycle of *Thraustochytrium Sp.*', *Combined Meeting Abstracts*, Wellington, New Zealand, 1-91 (2000) [F3]

Shabala, SN, **Shabala, SI**, 'Membrane-Transport Activity in Bean Leaves and Roots at Low Ambient Temperatures', *Combined Meeting Abstracts*, Wellington, New Zealand, 2-100 (2000) [F3]

**Tabart, TL**, Fulton, A, Clark, RJ, 'Communities taking the future in their hands - the Valley Vision story', *Poster*, Melbourne, Australia, 1 (2000) [F3]

**Tabart, TL**, 'Farm forestry and regional development: Communities making collaborative decisions', *2000 Research Colloquium*, ANU, Canberra, ACT, 16 (2000) [F3]

## Thesis Accepted for Higher Degree

**Blanchfield, AL**, 'The detection and Molecular Characterisation of the Orchid Fleck Virus' (2000) [M1]

**Sae Jeang, P**, 'Bacterial Growth and Stem Water Relations in Cut Flowers' (2000) [M1]

**Blake, MR**, 'Carbohydrate Partitioning and Development Physiology of *Nerine bowdenii* Will. Watson' (2000) [M3]

**Brown, M**, 'A molecular phylogenetic survey of polar sea-ice microbial communities' (2000) [M3]

**Howlett, BG**, 'Oviposition site selection by the eucalypt herbivore *Chrysophtharta bimaculata* (Olivier) (Coleoptera: Chrysomelidae) and the implications for larval establishment' (2000) [M3]

**Lacey, MJ**, 'Studies on Common Scab of Potato' (2000) [M3]

**Pethybridge, SJ**, 'Epidemiology of Viruses Infecting Hop in Australia' (2000) [M3]

## Other Public Output

Gibbs, A\*, Mackenzie, A\*, **Blanchfield, AL**, Cross, P\*, Wilson, CR, Kitajima, E\*, Nightingale, M\*, Clements, M\*, 'Viruses of orchids in Australia; their identification, biology and control', *Australian Orchid Review*, AOR Publisher, Graphic World, Lewisham, NSW, **65**, 3 (2000) [O2]

# Agricultural Science

## Tasmanian Institute of Agricultural Research

### Journal Article

Limbath, DP, **Blanchfield, AL**, Wilson, CR, 'Incidence and pathology of common viruses of nerine in Tasmania', *Annals of Applied Biology*, **136** (2000) 21-25 (2000) [A1]

**Pethybridge, SJ**, Wilson, CR, Ferrandino, FJ\*, Leggett, GW\*, 'Spatial Analyses of Viral Epidemics in Australian Hop Gardens: Implications for Mechanisms of Spread', *Plant Disease*, **84** (5) 513-515 (2000) [A1]

**Pethybridge, SJ**, Wilson, CR, Sherriff, LJ\*, Leggett, GW\*, Murno, D\*, 'Virus incidence in Australian hop (*Humulus lupulus* L.) gardens and cultivar differences in susceptibility to infection', *Australian Journal of Agricultural Research*, **51** (2000) 685-9 (2000) [A1]

Wilson, CR, Wilson, AJ, **Pethybridge, SJ**, 'First report of tomato spotted wilt tospovirus in common agapanthus', *Plant Disease*, **83** 491 (2000) [A4]

### Conference Publication

**Johnson, PG**, Sparrow, LA, Doyle, RB, 'Liquid starter fertilisers on phosphorus fixing soils', *Poster Papers*, Lincoln University, Canterbury NZ, 103-104 (2000) [F2]

**Neilsen, JE**, Rowe, BA, Lane, PA, 'Water Use Efficiency of Four Irrigated Brassica Forage Crops', *Proceedings*, Melbourne, Australia, 436-439 (2000) [F2]

**Tabart, TL**, Fulton, A, Clark, RJ, 'Communities taking the future in their hands - the Valley Vision story', *Poster*, Melbourne, Australia, 1 (2000) [F3]

# Applied Science

## Journal Article

Stauber, JL\*, Benning, RJ\*, Hales, LT\*, **Eriksen, RS**, Nowak, BF, 'Copper bioavailability and amelioration of toxicity in Macquarie Harbour, Tasmania, Australia', *Marine and Freshwater Research*, **51** 1-10 (2000) [A1]

## Conference Publication

Edwards, SJ, Burke, CM, **Hindrum, SM**, Johns, DR, 'Recovery and growth effects of anaesthetic and mechanical removal on greenlip (*Haliotis laevigata*) and blacklip (*Haliotis rubra*) abalone', *Fourth International Abalone Symposium: Biology, Culture, Fisheries*, Cape Town, 16-17 (2000) [F3]

**Harris, JO**, Burke, CM, Edwards, SJ, Johns, DR, 'Effect of oxygen supersaturation and temperature on juvenile greenlip, *Haliotis laevigata*, and blacklip, *Haliotis rubra*, abalone', *Fourth International Abalone Symposium: Biology, Culture, Fisheries*, Cape Town, 27 (2000) [F3]

**Hindrum, SM**, Burke, CM, Edwards, SJ, Johns, DR, 'Growth reductions in greenlip (*Haliotis laevigata*) and blacklip (*Haliotis rubra*) abalone resulting from chronic exposure to sublethal combinations of elevated ammonia and low dissolved oxygen levels', *Fourth International Abalone Symposium: Biology, Culture, Fisheries*, Cape Town, 29 (2000) [F3]

# Central Science Laboratory

## Journal Article

**Boyle, RR**, McLean, SR, Davies, NW, 'Biotransformation of 1,8-cineole in the brush-tail possum (*Trichosurus vulpecula*)', *Xenobiotica*, **30** (9) 915-932 (2000) [A1]

**Boyle, RR**, McLean, SR, Foley, W\*, Moore, B\*, Davies, NW, Brandon, S, 'Fate of the dietary terpene, *p*-cymene, in the male koala', *Journal of Chemical Ecology*, **26** (5) 1095-1111 (2000) [A1]

**Done, MC**, Ruether, T, Cavell, KJ, Kilner, M\*, Peacock, EJ, Braussaud, N, Skelton, BW\*, White, A\*, 'Novel cationic and neutral Pd(II) complexes bearing imidazole based chelate ligands: synthesis, structural characterisation and catalytic behaviour', *Journal of Organometallic Chemistry*, **607** (1-2) 78-92 (2000) [A1]

**Yu, Z**, Robinson, P, Townsend, AT, Munker, C, Crawford, AJ, 'Determination of high field strength elements, Rb, Sr, Mo, Sb, Cs, Tl, and Bi at ng g<sup>-1</sup> levels in geological reference materials by magnetic sector ICP-MS after HF/HClO<sub>4</sub> high pressure digestion', *Geostandards Newsletter*, **24** (1) 39-50 (2000) [A1]

## Conference Publication

**Barrett, R**, Crowther, PC, Laurence, RCN, Lincolne, R, 'Agricultural Crop Identification using Spot and Landsat Images in Tasmania', *Invited and Presented Papers of the XIXth Congress*, Amsterdam, Netherlands, 133-139 (2000) [F2]

Davies, NW, **Barry, KM**, 'Negative Ion Electrospray HPLC-MS<sup>n</sup> of hydrolyzable tannins', *Book of Abstracts*, Barcelona, 337 (2000) [F3]

**Limtrakun, P**, Zaw, K, Ryan, CG\*, Mernagh, TP\*, Falloon, TJ, Steele, DA, Wathanakul, P\*, 'Formation of Denchai gem sapphires, northern Thailand: mineral chemistry and fluid/melt characteristics', *Geological Society of Australia Abstracts 59*, Sydney, 305 (2000) [F3]

Peacock, EJ, **Barry, KM**, Mohammed, CL, 'Antimicrobial defence in *Eucalyptus nitens* stems using NMR microscopy', *Book of Abstracts*, Mt Buller, Victoria, 115 (2000) [F3]

# Chemistry

## Journal Article

Boyce, M, **Breadmore, MC**, Macka, M, Doble, PA, Haddad, PR, 'Indirect spectrophotometric detection of inorganic anions in ion-exchange capillary electrochromatography', *Electrophoresis* (21) 3073-3080 (2000) [A1]

**Breadmore, MC**, Haddad, PR, Fritz, J, 'Modelling and optimization of the separation of anions in ion chromatography - capillary electrophoresis', *Electrophoresis* (21) 3181-3190 (2000) [A1]

**Breadmore, MC**, Boyce, M, Macka, M, Avalovic, N\*, Haddad, PR, 'On-capillary ion-exchange pre-concentration of inorganic anions using open-tubular capillaries followed by elution with a transient isotachophoretic gradient', *The Analyst* (125) 799-802 (2000) [A1]

**Breadmore, MC**, Macka, M, Avdalovic, N\*, Haddad, PR, 'Open-tubular ion-exchange capillary electrochromatography of inorganic anions', *The Analyst* (125) 1235-1241 (2000) [A1]

**Breadmore, MC**, Boyce, M, Macka, M, Avdalovic, N\*, Haddad, PR, 'Peak shapes in open-tubular ion-exchange capillary electrochromatography of inorganic anions', *Journal of Chromatography A* (892) 303-313 (2000) [A1]

Canty, AJ, **Patel, J**, Skelton, BW\*, White, AH\*, 'C-H activation at the 3-position of pentane chains to form [N-C(sp<sup>3</sup>)-N]<sup>-</sup> complexes incorporating six-membered pallada(II) cyclic rings and pyridine, pyrazole and N-methylimidazole donor groups. Structural studies and comparison with [N-C(sp<sup>2</sup>)-N]<sup>-</sup> complexes', *Journal of Organometallic Chemistry*, **607** (1) 194-202 (2000) [A1]

Canty, AJ, **Patel, J**, Skelton, BW\*, White, AH\*, 'Facial and meridional [N-C-N]<sup>-</sup> intramolecular coordination systems: structure of *fac*-PtBrMe<sup>2</sup>{2,6-(pzCH<sup>2</sup>)<sup>2</sup>C<sup>6</sup>H<sup>3</sup>}.1/2C<sup>6</sup>H<sup>6</sup>{[2,6-(pzCH<sup>2</sup>)<sup>2</sup>C<sup>6</sup>H<sup>3</sup>]<sup>-</sup> = 2,6-(bis{(pyrazol-1-yl)methyl}phenyl)} and *mer*-PtBr{2,6-(3,5-Me<sup>2</sup>pzCH<sup>2</sup>)<sup>2</sup>C<sup>6</sup>H<sup>3</sup>}, and an alternative synthetic route to the platinum(II) [N-C-N] kernel', *Journal of Organometallic Chemistry*, **599** (2) 195-199 (2000) [A1]

**Done, MC**, Ruether, T, Cavell, KJ, Kilner, M\*, Peacock, EJ, Braussaud, N, Skelton, BW\*, White, A\*, 'Novel cationic and neutral Pd(II) complexes bearing imidazole based chelate ligands: synthesis, structural characterisation and catalytic behaviour', *Journal of Organometallic Chemistry*, **607** (1-2) 78-92 (2000) [A1]

**Green, MJ**, Cavell, KJ, Edwards, PG\*, 'New phosphine ligands with the OPN donor configuration', *Dalton Transactions*, **853** (1-2) 853-858 (2000) [A1]

Hambley, TW\*, **Frankcombe, KE**, Yates, BF, Cavell, KJ, Knott, RE\*, 'The Structure of a Methylpalladium(II) Complex of Pyridine-2-carboxylato (N-O) and Triphenylphosphine (PPh<sup>3</sup>), [Pd(CH<sup>3</sup>)(N-O)(PPh<sup>3</sup>)]', *Australian Journal of Chemistry*, **53** 805-807 (2000) [A1]

**Handley, JT**, Blackman, AJ, 'Monocyclic Diterpenes from the Marine Alga *Caulerpa trifaria* (Chlorophyta)', *Australian Journal of Chemistry*, **53** (Number 1) 67-71 (2000) [A1]

**Hilder, EF**, Klampfl, CW, Macka, M, Haddad, PR, Myers, P\*, 'Electro-osmotic and pressure-driven flow properties of frits for packed column capillary electrochromatography prepared from functionalised and bare silica packings', *The Analyst* (125) 1-4 (2000) [A1]

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

\* *Not a member of this University*

**Hilder, EF**, Klampfl, CW, Haddad, PR, 'Pressurized-flow anion-exchange capillary electrochromatography using a polymeric ion-exchange stationary phase', *J Chromatogr A* (890) 337-345 (2000) [A1]

Hu, W, Haddad, PR, Hasebe, K\*, **Cook, HC**, Fritz, J, 'Analysis of inorganic anions by electrostatic ion chromatography using zwitterionic/cationic mixed micelles as the stationary phase', *Fresenius J Anal Chem* (367) 641-644 (2000) [A1]

**Jongaramruong, J**, Blackman, AJ, 'Polyhalogenated Monoterpenes from a Tasmanian Collection of the Red Seaweed *Plocamium cartilagineum*', *Journal of Natural Products*, **63** (Number 2) 272-275 (2000) [A1]

Klampfl, CW, **Hilder, EF**, Haddad, PR, 'Investigations on the behavior of acidic, basic and neutral compounds in capillary electrochromatography on a mixed-mode stationary phase', *J Chromatogr A* (888) 267-274 (2000) [A1]

**McGuinness, DS**, Cavell, KJ, 'Donor-Functionalized Heterocyclic Carbene Complexes of Palladium (II): Efficient Catalysts for C-C Coupling Reactions', *Organometallics*, **19** 741-748 (2000) [A1]

**McGuinness, DS**, Cavell, KJ, 'Reaction of CO with a Methylpalladium Heterocyclic Carbene Complex: Product Decomposition Routes - Implications for Catalytic Carbonylation Processes', *Organometallics*, **19** 4918-4920 (2000) [A1]

**O'Reilly, JW**, Doble, PA, Tanaka, K, Haddad, PR, 'Retention behaviour of strong acid anions in ion-exclusion chromatography on sulfonate and carboxylate stationary phases', *J. Chromatogr. A* (884) 61-74 (2000) [A1]

**Vachirapatama, N**, Doble, PA, Haddad, PR, 'On-line preconcentration of niobium(V) and tantalum(V) as 4-(2-pyridylazo) resorcinol - citrate ternary complexes in geological samples by ion interaction high-performance liquid chromatography', *J. Chromatogr. A* (885) 369-375 (2000) [A1]

**Vachirapatama, N**, Doble, PA, Haddad, PR, 'Separation and determination of niobium(V) and tantalum(V) as 2-(5-bromo-2-pyridylazo)-5-[N-(3-sulfopropyl)amino]phenol citrate ternary complexes in geological samples using ion interaction high-performance liquid chromatography', *Anal. Chim. Acta* (409) 35-43 (2000) [A1]

**Zakaria, P**, Macka, M, Gerhardt, G\*, Haddad, PR, 'Pulsed potentiometric detection in capillary electrophoresis using platinum electrodes', *The Analyst* (125) 1519-1523 (2000) [A1]

## Chapter in Book

**Ng, KL**, Haddad, PR, 'Liquid Chromatography - Acids', *Encyclopedia of Separation Science*, Academic Press, I. Wilson (ed), London, 1854-1862 (2000) [C2]

## Conference Publication

**Spark, RA**, Stack, KR, Dunn, LA, Owens, M\*, 'Interaction of cationic polyacrylamide with the netbond retention aid system to improve filler retention', *Appita 2000*, Melbourne, Australia, 209-214 (2000) [F2]

**Breadmore, MC**, **Hilder, EF**, Macka, M, Haddad, PR, Boyce, M, 'Ion-Exchange Chromatographic Preconcentration of Inorganic Anions Followed by Elution using a Transient-Isotachophoretic Gradient', *Final Program*, Nice, France, 40 (2000) [F3]

**Breadmore, MC**, Haddad, PR, Fritz, J, 'Separation of Anions by Ion Chromatography - Capillary Electrophoresis: Optimisation and Detection', *Final Program*, Nice, France, 37 (2000) [F3]

**Cook, HA**, Haddad, PR, Hu, W, Fritz, J, 'The Effect of the Eluent Anion and Cation Species on Retention in Electrostatic Ion Chromatography', *Final Program*, Nice, France, 5 (2000) [F3]

Haddad, PR, **Cook, HA**, Hu, W, Yamamoto, H\*, Hasebe, K\*, Tanaka, K, Fritz, J, 'Electrostatic Ion Chromatography Using Mixed Micelles of Zwitterionic and Cationic Surfactants as Stationary Phase', *Final Program*, Nice, France, 79 (2000) [F3]

**Hilder, EF**, Haddad, PR, Klampfl, CW, 'Packed Column Ion-Exchange Capillary Electrochromatography Using Polymer-Based Stationary Phases', *Final Program*, Nice, France, 33 (2000) [F3]

**Johns, CA**, Macka, M, Haddad, PR, 'What is the Optimal Probe Concentration in Electrolytes for Indirect Photometric Detection in Capillary Electrophoresis?', *Final Program*, Nice, France, 98 (2000) [F3]

**McGuinness, DS**, Cavell, KJ, Saendig, N, Yates, BF, 'N-Heterocyclic Carbene Complexes for the Heck Reaction', *PacificChem 2000*, Hawaii, USA, 88 (2000) [F3]

**Vachirapatama, N**, Doble, PA, Macka, M, Haddad, PR, Yu, Z\*, 'Separation of Ternary Complexes of Niobium(V) And Tantalum(V) with Metallochromic Ligands and Citrate Using Capillary Electrophoresis', *Final Program*, Nice, France, 99 (2000) [F3]

Yates, BF, **Rackham, JP**, Cavell, KJ, 'A Study of Bis-Nitrogen Chelating Ligands used for Catalysis', *11th RACI*, Canberra, Australia, 55 (2000) [F3]

**Zakaria, P**, Macka, M, Gerhardt, G\*, Haddad, PR, 'Potentiometric Detection Using Inert Metallic Electrodes in Capillary Electrophoresis', *Final Program*, Nice, France, 59 (2000) [F3]

**Zakaria, P**, Macka, M, Gerhardt, G\*, Haddad, PR, 'Pulsed Potentiometric Detection in Capillary Electrophoresis', *Final Program*, Nice, France, 60 (2000) [F3]

**Zakaria, P**, Macka, M, Gerhardt, G\*, Haddad, PR, 'Pulsed Potentiometric Detection Using Inert Metallic Electrodes in Capillary Electrophoresis', *Book of Abstracts*, Lisbon, Portugal, OC-91 (2000) [F3]

# Computing

## Conference Publication

**Barrett, R**, Crowther, PC, Laurence, RCN,  
Lincolne, R, 'Agricultural Crop Identification  
using Spot and Landsat Images in Tasmania',  
*Invited and Presented Papers of the XIXth Congres*,  
Amsterdam, Netherlands, 133-139 (2000) [F2]

# CRC – Antarctic and Southern Ocean Environments

## Journal Article

**Fricker, HA**, Hyland, G, Coleman, R, Young, NW, 'Digital elevation models for the Lambert Glacier- Amery Ice Shelf System, East Antarctica, from ERS-1 satellite radar altimetry', *Journal of Glaciology*, **46** (155) 553-560 (2000) [A1]

**Fricker, HA**, Warner, RC, Allison, I, 'Mass balance of the Lambert Glacier-Amery Ice Shelf system, East Antarctica: a comparison of computed balance fluxes and measured fluxes', *Journal of Glaciology*, **46** (155) 561-570 (2000) [A1]

**King, AL**, Howard, W, 'Middle Pleistocene sea-surface temperature change in the southwest Pacific Ocean on orbital and suborbital time scales', *Geology*, **28** (7) 659-662 (2000) [A1]

Sikes, EL, **Samson, CR**, Guilderson, TP\*, Howard, W, 'Old radiocarbon ages in the southwest Pacific Ocean during the last glacial period and deglaciation', *Nature*, **405** (1 June) 555-559 (2000) [A1]

# CRC – Sustainable Production Forestry

## Journal Article

**Close, DC**, Beadle, CL, Brown, PH, Holz, GK, 'Cold-induced photoinhibition affects establishment of *Eucalyptus nitens* (Deane and Maiden) Maiden and *Eucalyptus globulus* Labill', *Trees-Structure & Function*, **15** (1) 32-41 (2000) [A1]

**Mummery, DC**, Battaglia, M, 'Applying PRO-MOD spatially across Tasmania with sensitivity analysis to screen for prospective *Eucalyptus globulus* plantation sites', *Forest Ecology and Management* (5034) 1-13 (2000) [A1]

## Chapter in Book

**Simmul, TL**, de Little, DW, 'Biology of the Paropsini (Chrysomelidae: Chrysomelinae)', *Advances in Chrysomelidae Biology 1*, Backhuys Publishers, ML Cox (ed), Leiden, The Netherlands, 463-477 (1999) [C1]

## Conference Publication

**Close, DC**, Beadle, CL, Hovenden, MJ, Brown, PH, 'Cold induced photoinhibition and xanthophyll-cycle conversion during establishment of *Eucalyptus nitens* seedlings: A possible role for non-xanthophyll cycle-mediated energy quenching?', *Abstracts*, Budapest, s243 (2000) [F2]

**Lopez, GA**, Potts, BM, Tilyard, PA, 'The inheritance of flowering time in interspecific F1 hybrids of *Eucalyptus*', *Proceedings of QFRI/CRC-SPF Symposium*, Noosa, Queensland, 453-456 (2000) [F2]

**Lopez, GA**, Potts, BM, Tilyard, PA, 'The performance of F1 hybrids between *Eucalyptus ovata* and *E. globulus* compared to inbred and out-crossed controls', *Proceedings of QFRI/CRC-SPF Symposium*, Noosa, Queensland, 457-461 (2000) [F2]

Mohammed, CL, **Barry, KM**, Battaglia, M, Beadle, CL, **Eyles, A**, **Mollon, AD**, Pinkard, E\*, 'Pruning-Associated Stem Defects in Plantation *E. Nitens* and *E. Globulus* Grown for Sawlog Veneer in Tasmania, Australia', *Proceedings*, Launceston, Tasmania, 357-364 (2000) [F2]

# Earth Sciences

## Journal Article

**Yu, Z**, Robinson, P, Townsend, AT, Munker, C, Crawford, AJ, 'Determination of high field strength elements, Rb, Sr, Mo, Sb, Cs, Tl, and Bi at ng g<sup>-1</sup> levels in geological reference materials by magnetic sector ICP-MS after HF/HClO<sub>4</sub> high pressure digestion', *Geostandards Newsletter*, **24** (1) 39-50 (2000) [A1]

## Conference Publication

**Amini, ZZ**, 'The effect of oceanography in sedimentology and geochemistry of the temperate carbonates of Bass Strait, Australia', *Geological Society of Australia Abstracts 59*, Sydney, 204-205 (2000) [F3]

**Limtrakun, P**, Zaw, K, Ryan, CG\*, Mernagh, TP\*, Falloon, TJ, Steele, DA, Wathanakul, P\*, 'Formation of Denchai gem sapphires, northern Thailand: mineral chemistry and fluid/melt characteristics', *Geological Society of Australia Abstracts 59*, Sydney, 305 (2000) [F3]

# Earth Sciences

## Centre for Ore Deposit Research CODES SRC

### Journal Article

Jackson, MJ\*, Scott, DL\*, **Rawlings, DJ**, 'Stratigraphic framework for the Leichhardt and Calvert Superbasins: review and correlations of the pre-1730 Ma successions between Mt Isa and McArthur River', *Australian Journal of Earth Sciences*, **47** (3) 381-403 (2000) [A1]

Scott, DL\*, **Rawlings, DJ**, Page, RW\*, Tarlowski, CZ\*, Idnurm, M\*, Jackson, MJ\*, Southgate, PN\*, 'Basement framework and geodynamic evolution of the Palaeoproterozoic superbasins of north-central Australia: an integrated review of geochemical, geochronological and geophysical data', *Australian Journal of Earth Sciences*, **47** (3) 341-380 (2000) [A1]

**Yu, Z**, Robinson, P, Townsend, AT, Munker, C, Crawford, AJ, 'Determination of high field strength elements, Rb, Sr, Mo, Sb, Cs, Tl, and Bi at ng g<sup>-1</sup> levels in geological reference materials by magnetic sector ICP-MS after HF/HClO<sub>4</sub> high pressure digestion', *Geostandards Newsletter*, **24** (1) 39-50 (2000) [A1]

Zaw, K, **Singoyi, B**, 'Formation of magnetite-scheelite skarn mineralisation at Kara, north-western Tasmania: evidence from mineral chemistry and stable isotopes', *Economic Geology*, **95** (6) 1215-1230 (2000) [A1]

### Chapter in Book

**Winefield, PR**, 'The development of late Palaeoproterozoic aragonitic seafloor cements within the McArthur Group of northern Australia', *Carbonate Sedimentation and Diagenesis in the Evolving Precambrian World*, Society for

Sedimentary Geology, Grotzinger JP, James NP (ed), New York, 301-311 (2000) [C1]

### Conference Publication

**Agnew, MW**, 'Late Silurian setting of the Lewis Ponds massive sulphide deposit, New South Wales', *Geological Society of Australia Abstracts 59*, Sydney, 234 (2000) [F3]

**Agnew, MW**, 'Lewis Ponds - a shallow marine polymetallic massive sulfide deposit, Hill End Trough, NSW, Australia', *CODES Special Publication*, Hobart, TAS, 1-2 (2000) [F3]

Cooke, DR, House, MJ\*, Smith, SS\*, **Wolfe, RC**, 'Oxidised magmas, oxidised fluids and their controls on alteration assemblages and metal distribution in the porphyry Cu-Au deposits of Goonumbla, NSW, Australia', *Geological Society of America Annual Meeting*, Reno, Nevada, USA, A-113 (2000) [F3]

Cooke, DR, **Davies, AGS**, 'Phreatic explosions, breccia deposits and gold mineralisation in low sulfidation epithermal environments', *Geological Society of Australia Abstracts 59*, Sydney, 95 (2000) [F3]

**Davidson, P**, Kamenetsky, VS, 'Melt inclusion studies of immiscible hydrosaline magmatic fluids: the first stage of hydrothermal fluids', *Geological Society of Australia Abstracts 59*, Sydney, 303118 (2000) [F3]

**Davies, AGS**, Cooke, DR, Gemmell, JB, 'Breccias associated with epithermal and porphyry systems - towards a systematic approach to their description and interpretation', *Extended Abstract*

Volume, Lake Tahoe, Nevada, USA, 98-103 (2000) [F3]

**Davies, AGS**, Cooke, DR, 'Hybrid phreatomagmatic and phreatic breccias at the Kelian gold deposit, East Kalimantan Indonesia - triggering mechanisms and implications for ore genesis in magmatic-hydrothermal systems', *Geological Society of America Annual Meeting*, Reno, Nevada, USA, A-111 (2000) [F3]

**Davies, AGS**, Cooke, DR, Gemmell, JB, 'Overlaps between phreatic and phreatomagmatic brecciation - implications for the development of hydrothermal systems. A example from the Kelian gold mine, Kalimantan, Indonesia', *Geological Society of Australia Abstracts 59*, Sydney, 119 (2000) [F3]

Gemmell, JB, **Fulton, RL**, 'Exploration implications of the geological and geochemical characteristics of footwall and hangingwall alteration, Hellyer VHMS deposit, Tasmania, Australia', *CODES Special Publication*, Hobart, TAS, 57-60 (2000) [F3]

**Gifkins, CC**, Allen, RL\*, McPhie, J, 'Textural characteristics of diagenetic and hydrothermal alteration in glassy volcanic rocks: examples from the Mount Read Volcanics, Tasmania', *CODES Special Publication*, Hobart, TAS, 67-68 (2000) [F3]

**Holm, OH**, 'A structural and metamorphic profile of the Arthur Lineament and surrounds, Northwest Tasmania', *Geological Society of Australia Abstracts 59*, Sydney, 234 (2000) [F3]

**Jones, SA**, Gemmell, JB, Davidson, GJ, 'Geological and geochemical characteristics of siliceous 'cap rocks', Myra Falls VHMS Camp, Vancouver Island, BC, Canada', *CODES Special Publication*, Hobart, TAS, 105-106 (2000) [F3]

**Lickfold, V**, Cooke, DR, 'The intrusive history of the Endeavour porphyry Cu-Au deposits, Goonumbla district, NSW, Australia', *Geological Society of America Annual Meeting*, Reno, Nevada, USA, A-51 (2000) [F3]

**Lickfold, V**, 'The intrusive history of the Goonumbla porphyry Cu-Au deposits, NSW', *Geological Society of Australia Abstracts 59*, Sydney, 303 (2000) [F3]

**Limtrakun, P**, Zaw, K, Ryan, CG\*, Mernagh, TP\*, Falloon, TJ, Steele, DA, Wathanakul, P\*, 'Formation of Denchai gem sapphires, northern Thailand: mineral chemistry and fluid/melt characteristics', *Geological Society of Australia Abstracts 59*, Sydney, 305 (2000) [F3]

**Masterman, GJ**, 'Collahuasi copper-molybdenum-silver deposits', *Geological Society of America Annual Meeting*, Reno, Nevada, USA, A-113 (2000) [F3]

**Schardt, C**, Cooke, DR, Gemmell, JB, Large, RR, 'Geochemical modeling of the zoned footwall alteration pipe to the Hellyer VHMS deposit, Western Tasmania, Australia', *CODES Special Publication*, Hobart, TAS, 183-184 (2000) [F3]

**Sinclair, BJ**, Gemmell, JB, Berry, RF, 'Formation of the Battle mine massive sulfide deposits, Myra Falls, VHMS district, Vancouver Island,

B.C., Canada', *CODES Special Publication*, Hobart, TAS, 195-196 (2000) [F3]

**Sinclair, BJ**, Berry, RF, Gemmell, JB, 'Mineralogy and textures of the Battle Zone massive sulfide lenses, Myra Falls district, British Columbia, Canada', *CODES Special Publication*, Hobart, TAS, 197-200 (2000) [F3]

**Squire, RJ**, 'Pliocene volcanics in Fiji: a window to understanding the Ordovician volcanics of the Lachlan Fold Belt', *Geological Society of Australia Abstracts 59*, Sydney, 474 (2000) [F3]

**Yu, Z**, Norman, MD, McGoldrick, PJ, 'Precise measurement of lead isotope ratios in sulfides by quadrupole ICPMS', *Beyond 2000: New Frontiers in Isotope Geoscience*, Lorne, Australia, 197-200 (2000) [F3]

## Other Public Output

**Agnew, MW**, 'Geology of the Lewis Ponds prospect, Annual Report of Progress', *Annual Report*, TriOrigin Australia N/L, Hobart, Tasmania, Australia, 1, 1 (2000) [O5]

Crawford, AJ, Duerden, PB, Meffre, S, Scott, RJ, **Squire, RJ**, Williams, R, 'Blayney-Orange District', *Report on 19999 Work program - Molong Belt*, CODES & Minerals Resources NSW, Hobart Tasmania, 1, 1 (2000) [O5]

**Masterman, GJ**, 'Structural controls on porphyry and epithermal mineralisation at Collohuasi, Chile', *AMIRA Project P 511: Hydrothermal systems and Giant Ore Deposits - A new Paradigm for Mineral Exploration*, AMIRA, Melbourne, Australia, July 2000, 1 (2000) [O5]

**Squire, RJ**, 'Volcanic facies architecture and geochemistry of Ordovician volcanics of the Cadia-Forest Reefs region, southern Molong Belt', *Report on 19999 Work program - Molong Belt*, CODES & Minerals Resources NSW, Hobart Tasmania, 1, 1 (2000) [O5]

**Wurst, AT**, 'Case study: Mt Muro Au-Ag mine, central Kalimantan, Indonesia', *Epithermal Au-Ag Deposits: Geological, geochemical and isotopic vectors to target major deposits. AMIRA Project P588*, AMIRA, Hobart, TAS, 1, December (2000) [O5]

**Wurst, AT**, 'Mt Muro, Indonesia', *Epithermal Au-Ag Deposits: Geological, geochemical and isotopic vectors to target major deposits. AMIRA Project P588*, AMIRA, Hobart, TAS, 1, June (2000) [O5]

# Engineering

## Civil and Mechanical Engineering

### Journal Article

**Reardon, SA**, Davis, MR, Doe, PE, 'Construction of an Analytical Model of Paper Drying', *Drying Technology*, **17** (4&5) 655-690 (1999) [A1]

Roberts, D, **Roberts, JL**, Gibson, JAE\*, McMinn, A, Heijnis, H\*, 'Palaeohydrological modelling of Ace Lake, Vestfold Hills, Antarctica', *The Holocene*, **9** (5) 515-520 (1999) [A1]

Solomon, WJ\*, Walker, GJ, **Hughes, JD**, 'Periodic Transition on an Axial Compressor Stator: Incidence and Clocking Effects: Part II – Transition Onset Predictions', *Journal of Turbomachinery – Transactions of the ASME*, **121** (3, July 1999) 408-415 (1999) [A1]

Walker, GJ, **Hughes, JD**, Solomon, WJ\*, 'Periodic Transition on an Axial Compressor Stator: Incidence and Clocking Effects: Part I – Experimental Data', *Journal of Turbomachinery – Transactions of the ASME*, **121** (3, July 1999) 398-407 (1999) [A1]

### Conference Publication

**Colville, EJ**, 'Manufacturing Management Improvement through Rapid Production of Budgets', *The Second International Conference on Intelligent Processing and Manufacturing of Materials*, Honolulu, Hawaii, 649-653 (1999) [F2]

**Hughes, JD**, Walker, GJ, Gostelow, JP\*, 'Identification of Instability Phenomena in Periodic Transitional Flows on Turbomachine Blades', *CD*, Florence, Italy, 29 (1999) [F2]

**Colville, EJ**, 'IPC-10 Proceedings – Manufacturing Future Mobility', *The Tenth International Pacific Conference on Automotive Engineering*, Melbourne, Australia, 420 (1999) [F4]

# Engineering

## Conference Publication

**Andrews, RJ**, 'Predicting Masking Shadows in Zero-tree Wavelet Image Coding', *Proceedings of the International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 209-213 (2000) [F1]

**Ho, K, Chua, ZJ**, Negnevitsky, M, 'Neuro-fuzzy Classifier for Recognition of Power Quality Disturbances', *Proceedings of the International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 224-230 (2000) [F1]

**Hoang, TA**, Nguyen, DT, 'Appropriate Processing for the Classification of Power Quality Disturbances', *Proceedings of the Australasian Universities Power Engineering Conference*, Brisbane, 196-201 (2000) [F1]

**Hoang, TA**, Nguyen, DT, 'Wavelet-based Neural Network for the Classification of Power Quality Disturbances', *Proceedings of the International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 273-278 (2000) [F1]

**Hughes, JD**, Walker, GJ, 'Natural Transition Phenomena on an Axial Compressor Blade', *CD-Rom Proceedings of ASME TURBO EXPO 2000/Paper 2000-GT-264*, Munich Germany, 1-15 (2000) [F1]

**Kelareva, G**, Negnevitsky, M, Carter, SJB, 'Application of a Fuzzy Neural Network for Predicting Air Quality', *Proceedings of the International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 169-173 (2000) [F1]

**Kieu, T**, Nguyen, DT, 'Removal of Blocking Artifacts in Smooth Areas of Flow Bit Rate Decompressed Images', *Proceedings of The First IEEE Pacific-Rim Conference on Multimedia (IEEE-PCM 2000)*, Sydney, 166-170 (2000) [F1]

**McGee, RW**, 'Modelling of Chloride Ingress in Tasmanian Bridges', *Testing and Modelling the Chloride Ingress into Concrete, Proceedings of the 2nd International RILEM Workshop*, Paris, France, 149-159 (2000) [F1]

**Nguyen, DT**, Hoang, TA, 'Analysis of Power Transient Disturbances using Wavelet Transform Modulus Maxima Technique', *Proceedings of Australasian Universities Power Engineering Conference*, Brisbane, 190-195 (2000) [F1]

Nguyen, DT, **Deegan, GJ**, D'Alessandro, F\*, 'Modeling of Lightning Discharge using Fractals', *Proceedings of the International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 92-95 (2000) [F1]

**Ringrose, MJ**, Negnevitsky, M, 'Harmonic Source Monitoring in Power Systems Using State Estimation and Neural Networks', *Proceedings of the International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 163-168 (2000) [F1]

**Seng, KP**, Man, Z, Wu, HR\*, 'A New Adaptive IIR Filter using Lyapunov Stability Theory', *CD Rom Proceedings of the 7th IEEE Singapore International Conference on Communication Systems (ICCS)*, Singapore, 6 pages (2000) [F1]

**Seng, KP**, Man, Z, Chui, WY, 'A new Computation Efficient Adaptive Algorithm for Parallel-Cascade Truncated Volterra System',

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

\* Not a member of this University

*Proceedings of the 2000 4th Conference on Algorithms and Architectures for Parallel Processing*, Hong Kong, 509-519 (2000) [F1]

**Seng, KP**, Man, Z, Chui, WY, 'A new Concurrent Algorithm for Adaptive Filtering in Parallel Signal Processing', *Proceedings of the 2000 4th Conference on Algorithms and Architectures for Parallel Processing*, Hong Kong, 532-540 (2000) [F1]

**Seng, KP**, Man, Z, Wu, HR\*, 'Complex RBF Network with Lyapunov Theory Training Algorithm', *Proceedings of the International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 44-49 (2000) [F1]

**Seng, KP**, Man, Z, Wu, HR\*, 'Designing a Fuzzy Adaptive NLMS Algorithm', *Proceedings of the International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 39-43 (2000) [F1]

**Seng, KP**, Man, Z, Wu, HR\*, 'Nonlinear active Noise Control using Lyapunov Theory and RBF Network', *Proceedings of the 2000 IEEE Signal Processing Society Workshop*, Sydney, 916-925 (2000) [F1]

**Seng, KP**, Man, Z, Chui, WY, Wu, HR\*, 'On-line Identification of Nonlinear System using Polynomial Basis Function Neural Network and Lyapunov Theory', *Proceedings of the International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 219-223 (2000) [F1]

**van Emmerik, AJ**, 'Evaluating the alignment of Statements of Corporate Intent and Actions: Selecting the appropriate Data', *Proceedings of the*

*International Conference on Artificial Intelligence in Science and Technology - AISAT 2000*, Hobart, 243-249 (2000) [F1]

**Kieu, T**, Nguyen, DT, 'A Spatially Adaptive Algorithm for Removing Blocking Artifacts in Block-Based Decompressed Images', *Proceedings of SEI 2000 Conference (World Multiconference on Systemics, Cybernetics and Informatics)*, Orlando, Florida, USA, 212-215 (2000) [F2]

**Kieu, T**, Nguyen, DT, 'Object Extraction from and Image Background based on Multi-Scale Wavelet Analysis', *Proceedings of SEI 2000 Conference (World Multiconference on Systemics, Cybernetics and Informatics)*, Orlando, Florida, USA, 68-71 (2000) [F2]

Negnevitsky, M, **Huang, JS**, **Ringrose, MJ**, Piekutowski, M\*, Green, M\*, 'Studies of Power Quality: Disturbance Recognition', *Proceedings of Thirteenth International Power Quality 2000 Conference*, Boston, Massachusetts, USA, 137-147 (2000) [F2]

**Seng, KP**, Man, Z, Yip, CW, Wu, HR\*, 'A New Approach in Fuzzy Adaptive Filtering', *Proceedings of 'With Fuzzy Logic in the New Millennium' Conference*, Mackay, Australia, 50-52 (2000) [F3]

**Seng, KP**, Man, Z, Wu, HR\*, 'Designing a Fuzzy Gain Lyapunov Adaptive Filter Algorithm', *Proceedings of 'With Fuzzy Logic in the New Millennium' Conference*, Mackay, Australia, 47-49 (2000) [F3]

# Geography and Environmental Studies

## Journal Article

- Boston, TF**, 'American Right-wing Libertarians: the Opponents of Democracy, Ecology and Ethics', *Democracy and Nature: the international journal of politics and ecology*, **6** (2) 199-210 (2000) [A1]
- Boston, TF**, 'Seeking Green Societies: From Expansionism to Holistic Ecology', *Electronic Green Journal* (12) EJ (2000) [A1]
- Bradshaw, MB, Williamson, S, Wood, LJ**, 'From Input Controls to Quota Management in the Tasmanian Rock Lobster Fishery', *New Zealand Geographer*, **56** (2) 32-41 (2000) [A1]
- D'Arrigo, R\*, Cook, E\*, Villalba, R\*, Buckley, B\*, Salinger, J\*, Palmer, J\*, **Allen, KJ**, 'Trans-Tasman Sea climate variability since AD 1740 inferred from middle to high latitude tree ring data', *Climate Dynamics*, **16** 603-610 (2000) [A1]
- Desmarchelier, J, Goede, A, Ayliffe, LK\*, McCulloch, MT\*, Moriarty, K\***, 'Stable isotope record and its palaeoenvironmental interpretation for a late Middle Pleistocene speleothem from Victoria Fossil Cave, Naracoorte, South Australia', *Quaternary Science Reviews*, **19** 736-774 (2000) [A1]
- Edgar, GJ, Barrett, NS, **Graddon, DJ**, Last, PR\*, 'The conservation significance of estuaries: a classification of Tasmanian estuaries using ecological, physical and demographic attributes as a case study', *Biological Conservation*, **92** (3) 383-397 (2000) [A1]
- Fricker, HA**, Hyland, G, Coleman, R, Young, NW, 'Digital elevation models for the Lambert Glacier- Amery Ice Shelf System, East Antarctica, from ERS-1 satellite radar altimetry', *Journal of Glaciology*, **46** (155) 553-560 (2000) [A1]
- Hingston, AB**, McQuillan, PB, 'Are pollination syndromes useful predictors of floral visitors in Tasmania', *Austral Ecology*, **25** 600-609 (2000) [A1]
- Hingston, AB**, 'Impacts of logging on autumn bird populations in the southern forests of Tasmania', *Papers and Proceedings of the Royal Society of Tasmania*, **134** 19-27 (2000) [A1]
- King, MA, Nguyen, LN**, Coleman, R, Morgan, PJ\*, 'Strategies for High Precision Processing of GPS Measurements with Application to the Amery Ice Shelf, East Antarctica', *GPS Solutions*, **4** (1) 2-12 (2000) [A1]
- King, MA**, Coleman, R, Morgan, PJ\*, 'Treatment of horizontal and vertical tidal signals in GPS data: A case study on a floating ice shelf', *Earth Planets and Space*, **52** (11) 1043-1047 (2000) [A1]
- Kirkpatrick, JB, Zacharek, AR, **Chappell, KJ**, 'Testing methods for mitigation of tree dieback in Tasmanian dry eucalypt forests and woodlands', *Pacific Conservation Biology*, **6** (2) 94-101 (2000) [A1]
- Mallick, SA**, 'Technique for washing nectar from the flowers of Tasmanian Leatherwood (*Eucryphia lucida* Eucryphiaceae)', *Austral Ecology*, **25** 210-212 (2000) [A1]

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

\* *Not a member of this University*

**Manson, R**, Coleman, R, Morgan, PJ\*, **King, MA**, 'Ice velocities of the Lambert Glacier from static GPS observations', *Earth Planets and Space*, **52** (11) 1031-1036 (2000) [A1]

**Marsden-Smedley, JB**, Kirkpatrick, JB, 'Fire management in Tasmania's Wilderness World Heritage Area: Ecosystem restoration using Indigenous-style fire regimes', *Ecological Management and Restoration*, **1** (3) 195-203 (2000) [A1]

**Mummery, DC**, Battaglia, M, 'Applying PRO-MOD spatially across Tasmania with sensitivity analysis to screen for prospective *Eucalypts globulus* plantation sites', *Forest Ecology and Management* (5034) 1-13 (2000) [A1]

Pharo, EJ, **Blanks, PAM**, 'Managing a neglected component of biodiversity: a study of bryophyte diversity in production forests of Tasmania's north-east', *Australian Forestry*, **63** 128-135 (2000) [A1]

**Williams, KJ**, **Marsden-Smedley, JB**, 'Reconnaissance survey of a glaucous eucalypt near Louisa Bay, Southwest Tasmania', *Papers and Proceedings of the Royal Society of Tasmania*, **134** 45-54 (2000) [A1]

**Boston, TF**, 'Wisdom of the Past or the Ideology of the Future?', *Electronic Green Journal* (12) (2000) [A4]

## Chapter in Book

**Bradshaw, MB**, Stratford, E, 'On Research Design and Rigour', *Qualitative Research Methods in Geography*, Oxford University Press, Hay, I (ed), Melbourne, 37-49 (2000) [C2]

## Conference Publication

**Walsham, DAC**, 'Spatial Data Infrastructure (SDIs) - Potential Problems and General Diffusion Principles', *Proceedings of the 28th Annual Conference of AURISA*, Qld, **8** (2000) [F2]

## Contract Report, Consultant's Report

**Phillips, G**, *The D'Entrecasteaux Channel and North West Bay*, Natural Heritage Trust (2000) [I1]

**Cubit, S**, Russell, JA, Assessing Cultural Values in Natural Areas: The Upper Mersey Valley, Vol.3, Part 2: Historic Values Assessment - Thematic Analysis and Site Report, National Heritage Scheme (2000) [I2]

## Thesis Accepted for Higher Degree

**Nguyen, LN**, 'Improving GPS results using continuous processing strategies' (2000) [M4]

**Wijanarto, AB**, 'Digital Photogrammetric Mapping of Canopy Height in a Radiata Pine Planation' (2000) [M4]

## Other Public Output

**Walsham, DAC**, 'Future GIS', *GIS User*, South Pacific Science Press, NSW, **38** (2000) [O2]

**McPherson, KL**, 'Perhaps its not always the farmer's fault', *Saltline Tasmania*, Department of Primary Industries, Water and Environment, Hobart, **2**, 7 (2000) [O4]

# Mathematics and Physics

## IASOS

### Journal Article

Bowman, JP, **Rea, SM**, McCammon, SA, McMeekin, TA, 'Diversity and community structure within anoxic sediment from marine salinity meromictic lakes and a coastal meromictic marine basin, Vestfold Hills, Eastern Antarctica', *Environmental Microbiology*, **2** 81-88 (2000) [A1]

**Chiaradia, A**, Kerry, K\*, 'Daily nest attendance and breeding performance in the little penguin at Phillip Island, Australia', *Marine Ornithology*, **27** 13-20 (1999) [A1]

Dann, P\*, Norman, FI\*, Cullen, JM\*, Neira, FJ\*, **Chiaradia, A**, 'Mortality and breeding failure of little penguins, *Eudyptula minor*, in Victoria, 1995-96, following a widespread mortality of pilchard, *Sardinops sagax*', *Marine and Freshwater Research*, **51** 355-62 (2000) [A1]

**Fricker, HA**, Hyland, G, Coleman, R, Young, NW, 'Digital elevation models for the Lambert Glacier- Amery Ice Shelf System, East Antarctica, from ERS-1 satellite radar altimetry', *Journal of Glaciology*, **46** (155) 553-560 (2000) [A1]

**Fricker, HA**, Warner, RC, Allison, I, 'Mass balance of the Lambert Glacier-Amery Ice Shelf system, East Antarctica: a comparison of computed balance fluxes and measured fluxes', *Journal of Glaciology*, **46** (155) 561-570 (2000) [A1]

Goldsworthy, PM\*, **Thomson, PG**, 'An extreme inland breeding locality of snow petrels (*Pagodroma nivea*) in the southern Prince Charles Mountains, Antarctica', *Polar Biology*, **23** 717-720 (2000) [A1]

Haward, MG, **Zwart, IC**, 'Local Government in Tasmania: Reforming and Restructuring', *Australian Journal of Public Administration*, **59** (3) 34-48 (2000) [A1]

**Jarman, SN**, Nicol, S\*, Elliott, NG\*, McMinn, A, '28S rDNA Evolution in the Eumalacostraca and the Phylogenetic Position of Krill', *Molecular Phylogenetics and Evolution*, **17** (1) 26-36 (2000) [A1]

**Jarman, SN**, Elliott, NG\*, 'DNA evidence for morphological and cryptic Cenozoic speciations in the Anaspididae, 'living fossils' from the Triassic', *Journal of Evolutionary Biology*, **13** 624-633 (2000) [A1]

**King, AL**, Howard, W, 'Middle Pleistocene sea-surface temperature change in the southwest Pacific Ocean on orbital and suborbital time scales', *Geology*, **28** (7) 659-662 (2000) [A1]

McMinn, A, Bleakley, N\*, Steinberner, K, Roberts, D, **Trenerry, LJ**, 'Effect of permanent sea ice cover and different nutrient regimes on the phytoplankton succession of fjords of the Vestfold Hills Oasis, eastern Antarctica', *Journal of Plankton Research*, **22** (2) 287-303 (2000) [A1]

Sikes, EL, **Samson, CR**, Guilderson, TP\*, Howard, W, 'Old radiocarbon ages in the southwest Pacific Ocean during the last glacial period and deglaciation', *Nature*, **405** (1 June) 555-559 (2000) [A1]

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

\* *Not a member of this University*

# Mathematics and Physics

## Mathematics

### Journal Article

Albrow, MD\*, Beaulieu, JP\*, Caldwell, JAR\*, Dominik, M\*, Gaudi, BS\*, Gould, A\*, Greenhill, JG, Hill, KM, **Kane, S**, Martin, R\*, Menzies, J\*, Naber, RM\*, Pollard, KR\*, Sackett, PD\*, Sahu, KC\*, Vermaak, P\*, Watson, RD, Williams, A\*, Bond, HE\*, van Bemmell, IM\*, 'Detection of Rotation in a Binary Microlens: Planet Photometry of MACHO 97-BLG-41', *The Astrophysical Journal*, **534** (May 10) 894-906 (2000) [A1]

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\*, 'Limits on Stellar and Planetary Companions in Microlensing Event OGLE-1998-BUL-14', *The Astrophysical Journal*, **535** (May 20) 176-189 (2000) [A1]

**Churchill, GA**, Trotter, PG, 'A Unified Approach to Biidentities for e-varieties', *Semigroup Forum*, **60** 208-230 (2000) [A1]

Sahu, KC\*, Vreeswijk, P\*, Bakos, G\*, Menzies, JW\*, Bragaglia, A\*, Frontera, F\*, Piro, L\*, Albrow, MD\*, Bond, IA\*, Bower, R\*, Caldwell, JAR\*, Castro-Tirado, AJ\*, Courbin, F\*, Dominik, M\*, Fynbo, JU\*, Galama, T\*, Glazebrook, K\*, Greenhill, JG, Gorosabel, J\*, Hearnshaw, J\*, Hill, KM, Hjorth, J\*, **Kane, S**, Kilmartin, PM\*, Kouveliotou, C\*, Martin, R\*, Masetti, N\*, Maxted, P\*, Minniti, D\*, Moller, P\*, Muraki, Y\*, Nakamura, T\*, Noda, S\*, Ohnishi, K\*, Palazzi, E\*,

van Paradijs, J\*, Pian, E\*, Pollard, KR\*, Rattenbury, NJ\*, Reid, M\*, Rol, E\*, Saito, T\*, Sackett, PD\*, Saizar, P\*, Tinney, C\*, Permaak, P\*, Watson, RD, Williams, A\*, Yock, P\*, Dar, A\*, 'Discovery of the Optical Counterpart and Early Optical Observations of GRB 990712', *The Astrophysical Journal*, **540** (Sep 1) 74-80 (2000) [A1]

**Jackson, MG**, 'Small semigroup related structures with infinite properties', *Bulletin of the Australian Mathematical Society*, **61** (3) 525-527 (2000) [A2]

### Conference Publication

Kelarev, AV, **Quinn, SJ**, 'A Combinatorial Property and Power Graphs of Groups', *Contributions to General Algebra 12*, Vienna, Austria, 229-236 (2000) [F1]

Kelarev, AV, **Quinn, SJ**, Sokratova, OV, 'Automata with languages recognised by graph algebras', *AISAT 2000 Proceedings*, Hobart, 296-301 (2000) [F1]

Kelarev, AV, **Quinn, SJ**, Smolikova, R\*, 'On fuzzy regular languages', *AISAT 2000 Proceedings*, Hobart, 291-295 (2000) [F1]

# Mathematics and Physics

## Physics

### Journal Article

Albrow, MD\*, Beaulieu, JP\*, Caldwell, JAR\*, Dominik, M\*, Gaudi, BS\*, Gould, A\*, Greenhill, JG, Hill, KM, **Kane, S**, Martin, R\*, Menzies, J\*, Naber, RM\*, Pollard, KR\*, Sackett, PD\*, Sahu, KC\*, Vermaak, P\*, Watson, RD, Williams, A\*, Bond, HE\*, van Bemmell, IM\*, 'Detection of Rotation in a Binary Microlens: Planet Photometry of MACHO 97-BLG-41', *The Astrophysical Journal*, **534** (May 10) 894-906 (2000) [A1]

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\*, 'Limits on Stellar and Planetary Companions in Microlensing Event OGLE-1998-BUL-14', *The Astrophysical Journal*, **535** (May 20) 176-189 (2000) [A1]

Fender, R\*, **Rayner, DP**, Norris, R\*, Sault, RJ\*, Pooley, G\*, 'Discovery of Circularly Polarized Radio Emission from SS 433', *The Astrophysical Journal*, **530** (Feb 10) L29-L32 (2000) [A1]

**Galloway, D**, Giles, AB, Greenhill, JG, Storey, MC\*, 'Spectral variation in the X-ray pulsar GX 1+4 during a low-flux episode', *Monthly Notices of the Royal Astronomical Society*, **311** (4) 755-761 (2000) [A1]

Giles, AB, **Galloway, D**, Greenhill, JG, Storey, MC\*, Wilson, CA\*, 'Pulse Profiles, Accretion

Column Dips, and a Flare in GX 1+4 During a Faint State', *The Astrophysical Journal*, **529** (Jan 20) 447-452 (2000) [A1]

Gwinn, CR\*, Britton, MC\*, Reynolds, JE\*, Jauncey, DL\*, King, EA\*, McCulloch, PM, **Lovell, JEJ**, Flanagan, CS\*, Preston, RA\*, 'Size of the Vela Pulsar's Emission Region at 13 Centimeter Wavelength', *The Astrophysical Journal*, **531** (Mar 10) 902-916 (2000) [A1]

Jauncey, DL\*, Reynolds, JE\*, Tzioumis, AK\*, Ferris, RH\*, Wilson, WE\*, Sinclair, MW\*, Moorey, GG\*, Gough, RG\*, Oestreich, M\*, King, EA\*, Otrupcek, R\*, McCulloch, PM, Costa, ME, Dodson, R, Ellingsen, SP, Gowland, GA, **Legge, DR**, Moffett, DA, **Rayner, DP**, Nicolson, GD\*, Quick, JFH\*, Harbison, PA\*, Lauf, JE\*, Wietfeldt, R\*, 'The Southern Hemisphere Contribution to the VSOP Mission', *Advances in Space Research*, **26** (4) 645-648 (2000) [A1]

Macquart, JP\*, Kedziora-Chudczer, L\*, **Rayner, DP**, Jauncey, DL\*, 'Strong, Variable Circular Polarization in PKS 1519-273', *The Astrophysical Journal*, **538** (Aug 1) 623-627 (2000) [A1]

Sahu, KC\*, Vreeswijk, P\*, Bakos, G\*, Menzies, JW\*, Bragaglia, A\*, Frontera, F\*, Piro, L\*, Albrow, MD\*, Bond, IA\*, Bower, R\*, Caldwell, JAR\*, Castro-Tirado, AJ\*, Courbin, F\*, Dominik, M\*, Fynbo, JU\*, Galama, T\*, Glazebrook, K\*, Greenhill, JG, Gorosabel, J\*, Hearnshaw, J\*, Hill, KM, Hjorth, J\*, **Kane, S**, Kilmartin, PM\*, Kouveliotou, C\*, Martin, R\*, Masetti, N\*, Maxted, P\*, Minniti, D\*, Moller, P\*, Muraki, Y\*,

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

\* *Not a member of this University*

Nakamura, T\*, Noda, S\*, Ohnishi, K\*, Palazzi, E\*, van Paradijs, J\*, Pian, E\*, Pollard, KR\*, Rattenbury, NJ\*, Reid, M\*, Rol, E\*, Saito, T\*, Sackett, PD\*, Saizar, P\*, Tinney, C\*, Permaak, P\*, Watson, RD, Williams, A\*, Yock, P\*, Dar, A\*, 'Discovery of the Optical Counterpart and Early Optical Observations of GRB 990712', *The Astrophysical Journal*, **540** (Sep 1) 74-80 (2000) [A1]

### Conference Publication

Kedziora-Chudczer, LL\*, Macquart, JP\*, Jauncey, DL\*, **Rayner, DP**, 'Circular Polarization of Intraday Variable Sources', *Astrophysical Phenomena Revealed by Space VLBI*, Kanagawa, Japan, 143-146 (2000) [F2]

**Shabala, SI**, Shabala, SN, Ross, T, Newman, IA, McMeekin, TA, 'A novel non-invasive microelectrode technique and its application to membrane transport activity measurements of *Thraustochytrium sp.*', *Joint Scientific Meeting and Exhibition*, Cairns, QLD, A78 (2000) [F3]

**Shabala, SI**, Shabala, SN, Ross, T, Newman, IA, 'Measurements of net fluxes and extracellular concentration changes of H<sup>+</sup> and Ca<sup>2+</sup> of *Escherichia coli* in batch and film cultures using non-invasive ion-selective microelectrodes', *Joint Scientific Meeting and Exhibition*, Cairns, QLD, A141 (2000) [F3]

### Thesis Accepted for Higher Degree

**Corney, SP**, 'Superalgebraisation of BFV-BRST quantisation' (2000) [M3]

**Kane, S**, 'A Spectroscopic and Photometric Study of Gravitational Microlensing Events' (2000) [M3]

**Rayner, DP**, 'Circular Polarization of Active Galaxies' (2000) [M3]

# Plant Science

## Journal Article

Barnes, RW, Jordan, GJ, Hill, RS\*, **McCoull, CJ**, 'A common boundary between distinct northern and southern morphotypes in two unrelated Tasmanian rainforest species', *Australian Journal of Botany*, **48** 481-491 (2000) [A1]

**Bundock, PC**, Hayden, MJ, Vaillancourt, RE, 'Linkage Maps of *Eucalyptus globulus* Using RAPD and Microsatellite Markers', *Silvae Genetica*, **49** 223-232 (2000) [A1]

**Doblin, M**, Blackburn, SI\*, Hallegraef, GM, 'Intraspecific variation in the selenium requirement of different geographic strains of the toxic dinoflagellate *Gymnodinium catenatum*', *Journal of Plankton Research*, **22** 421-432 (2000) [A1]

**Dungey, HS**, Potts, BM, Whitham, TG\*, Li, HF, 'Plant Genetics Affects Arthropod Community Richness and Composition: Evidence from a Synthetic Eucalypt Hybrid Population', *Evolution*, **54** 1938-1946 (2000) [A1]

Hovenden, MJ, **Schimanski, LJ**, 'Genotypic differences in growth and stomatal morphology of Southern Beech, *Nothofagus cunninghamii*, exposed to depleted CO<sub>2</sub> concentrations', *Australian Journal of Plant Physiol*, **27** 281-287 (2000) [A1]

**Lopez, GA**, Potts, BM, Tilyard, PA, 'F<sup>1</sup> hybrid inviability in *Eucalyptus*: the case of *E. ovata* x *E. globulus*', *Heredity*, **85** 242-250 (2000) [A1]

**Milgate, A**, Yuan, ZQ, Vaillancourt, RE,

Mohammed, CL, 'Mycosphaerella species occurring on *Eucalyptus globulus* and *Eucalyptus nitens* plantations of Tasmania, Australia', *Forest Pathology*, **30** 1-12 (2000) [A1]

**O'Neill, DP**, Ross, JJ, Reid, JB, 'Changes in gibberellin A1 levels and response during de-etiolation of pea seedlings', *Plant Physiology*, **124** 805-812 (2000) [A1]

Pazour, GJ\*, Dickert, BL\*, **Vucica, Y**, Scott Seeley, E\*, Rosenbaum, JL\*, Witman, GB\*, Cole, DG\*, 'Chlamydomonas IFT88 and Its Mouse Homologue, Polycystic Kidney Disease Gene Tg737, Are Required for Assembly of Cilia and Flagella', *The Journal of Cell Biology*, **151** 709-718 (2000) [A1]

Ross, JJ, **O'Neill, DP**, Smith, JJ, Kerckhoffs, LH, Elliott, RC, 'Evidence that auxin promotes gibberellin A1 biosynthesis in pea', *The Plant Journal*, **21** 547-552 (2000) [A1]

Schimleck, LR\*, Raymond, CA\*, Beadle, CL\*, Downes, GM\*, **Kube, PD**, French, J\*, 'Applications of NIR spectroscopy to forest research', *Appita Journal*, **53** 458-464 (2000) [A1]

**White, DA**, Beadle, CL\*, Worledge, D\*, 'Control of transpiration in an irrigated *Eucalyptus globulus* Labill. plantation', *Plant, Cell and Environment*, **23** 123-134 (2000) [A1]

## Chapter in Book

**Lichon, MJ**, 'Sample Preparation for Food Analysis, General', *Encyclopedia of Analytical*

*Chemistry*, John Wiley and Sons, R.A. Myers (ed), Chichester, 4215-4229 (2000) [C1]

### Conference Publication

**Barbour, RC**, Potts, BM, Vaillancourt, RE, Tibbits, WN\*, Wiltshire, RJE, 'Hybridisation between plantation and native eucalypts in Tasmania', *Proceedings of QFRI/CRC-SPF Symposium*, Noosa, Queensland, 395-399 (2000) [F2]

**Close, DC**, Beadle, CL, Hovenden, MJ, Brown, PH, 'Cold induced photoinhibition and xanthophyll-cycle conversion during establishment of *Eucalyptus nitens* seedlings: A possible role for non-xanthophyll cycle-mediated energy quenching?', *Abstracts*, Budapest, s243 (2000) [F2]

**Lopez, GA**, Potts, BM, Tilyard, PA, 'The inheritance of flowering time in interspecific F1 hybrids of *Eucalyptus*', *Proceedings of QFRI/CRC-SPF Symposium*, Noosa, Queensland, 453-456 (2000) [F2]

**Lopez, GA**, Potts, BM, Tilyard, PA, 'The performance of F1 hybrids between *Eucalyptus ovata* and *E. globulus* compared to inbred and out-crossed controls', *Proceedings of QFRI/CRC-SPF Symposium*, Noosa, Queensland, 457-461 (2000) [F2]

**Marshall, JA**, Munday, BL, Newman, SJ, Yoshizawa, Y, Hallegraeff, GM, 'Comparative effect of high light intensity of *Chattonella marina* from South Australia and Japan: implications

for reactive oxygen species production', *Conference Abstracts and Participants*, Hobart, Tasmania, 35 (2000) [F3]

### Thesis Accepted for Higher Degree

**LeRoi, JM**, 'Nanoflagellates of Southern Tasmanian waters: Taxonomy, Toxicology and Distribution' (2000) [M1]

**Brown, NR**, 'Reproductive Biology of *Nerine* (Amaryllidaceae)' (2000) [M3]

**Chambers, PGS**, 'Radiata: An Economic Breeding Objective' (2000) [M3]

**Lichon, MJ**, 'Wetlands for minewatersConstructed wetland systems for biological treatment of mining wastewaters in western Tasmania' (2000) [M3]

# Psychology

## Journal Article

**McVilly, KR**, Burton Smith, R, Davidson, JA, 'Concurrence between subject and proxy ratings of quality of life for people with and without intellectual disabilities', *Journal of Intellectual & Developmental Disability*, **25** (1) 19-39 (2000) [A1]

Thompson, T, **Foreman, P**, Martin, F, 'Impostor fears and perfectionistic concern over mistakes', *Personality and Individual Differences*, **29** (4) 629-647 (2000) [A1]

## Conference Publication

**Carson, JM**, Williams, CL, Haines, J, 'A comparison of psychophysiological and psychological responses to stressful and non-stressful events at work', *International Journal of Psychophysiology*, Sydney, Australia, 44-45 (2000) [F3]

**Casey, SL**, Williams, CL, Haines, J, 'Psychophysiological responses to binge eating in bulimia nervosa and binge eating disorder', *International Journal of Psychophysiology*, Sydney, Australia, 44 (2000) [F3]

**Crawley, TFO**, Martin, F, 'Cognitive and visual processes in autism: Visual memory, global precedence and central coherence', *International Journal of Psychology*, Stockholm, Sweden, 421 (2000) [F3]

Haines, J, Williams, CL, Mycak, MJ, **Holmes, GE**, 'Psychophysiological responses to motor vehicle accident trauma and the peritraumatic death imprint', *International Journal of Psychophysiology*, Sydney, Australia, 45 (2000) [F3]

**Kirby, ML**, Martin, F, 'The development of strategic orthographic and phonological processing in specific reading disability', *International Journal of Psychology*, Stockholm, Sweden, 336 (2000) [F3]

Martin, F, **Minehan, DC**, 'The combined effects of cannabis and alcohol on P300', *International Journal of Psychophysiology*, Sydney, Australia, 70 (2000) [F3]

Martin, F, **Drinkwater, LC**, 'The effect of teachers' theoretical orientation and child sex on word recognition skills in first-grade children', *Australian Journal of Psychology*, Novotel Twin Waters Resort, Queensland, 40 (2000) [F3]

**Matthews, AJ**, Martin, F, Kirkby, KC, 'The effects of single-dose lorazepam on memory and behavioural learning', *Australian Journal of Psychology*, Novotel Twin Waters Resort, Queensland, 40-41 (2000) [F3]

**Sim, TWT**, Martin, F, 'An ERP study into phonological and orthographic processing differences between Chinese-English bilinguals and English monolinguals', *Australian Journal of Psychology*, Novotel Twin Waters Resort, Queensland, 50 (2000) [F3]

**Sim, TWT**, Martin, F, 'Phonological and orthographical processing in Chinese-English bilinguals and English monolinguals', *International Journal of Psychology*, Stockholm, Sweden, 59 (2000) [F3]

Slaghuis, WL, **Fraser, J**, Montgomery, IM, 'The effect of eye movement on imaging in EMDR in a normal and post traumatic stress disordered group', *Australian Journal of Psychology*, Canberra, ACT, Australia, 111-112 (2000) [F3]

Thompson, T, **Richardson, AM**, 'Self-handicapping status, claimed handicaps and reduced practice effort following success and failure feedback', *Australian Journal of Psychology*, Canberra, ACT, Australia, 116 (2000) [F3]

**Wood, C**, Davidson, JA, 'The way we talk to our children: PET Australian style', *Australian Journal of Psychology*, Canberra, ACT, Australia, 122 (2000) [F3]

### Thesis Accepted for Higher Degree

**Speyer, K**, 'Marital adjustment in couples supporting children with and without developmental disabilities' (2000) [M1]

**Kirkcaldie, JWK**, 'Attentional ERPs and Attitude to Risk' (2000) [M2]

**Langbein, AL**, 'An Exploratory Study of Links Between ADHD and a Chromosomal Mutation in a Single Family' (2000) [M2]

**Read, BJ**, 'The Modified Stroop Effect and Eating Disorders' (2000) [M2]

### Other Public Output

Burton Smith, R, **Leeson, SA**, 'Gender segregation and single-sex schooling (Examiner)', *Schools make no difference: study*, The Examiner Newspaper, Launceston, Tasmania, 24/3/2000 (2000) [O1]

Burton Smith, R, **Leeson, SA**, 'Same-sex schools don't affect friends', *The Daily Telegraph*, Sydney, NSW, 24/3/00 (2000) [O1]

Burton Smith, R, **Leeson, SA**, 'School survey of gender issues', *The Mercury*, Davies Bros. Ltd., Hobart, Tasmania, 24/3/00 (2000) [O1]

Burton Smith, R, **Leeson, SA**, 'Schools make no difference: study', *The Examiner*, Launceston, Tasmania, 24/3/00 (2000) [O1]

Burton Smith, R, **Leeson, SA**, 'Single sex or co-ed, gender rules ok', *The Age*, Melbourne, Victoria, 24/3/00 (2000) [O1]

Burton Smith, R, **Leeson, SA**, 'Gender segregation and single-sex schooling (2GG)', *Radio*, 2GG, Sydney, 23 March 2000 (2000) [O3]

Burton Smith, R, **Leeson, SA**, 'Gender segregation and single-sex schooling (2UW)', *Radio*, 2UW, Sydney, 28 March 2000 (2000) [O3]

Burton Smith, R, **Leeson, SA**, 'Gender segregation and single-sex schooling (7ZR)', *7ZR Annie Warburton*, ABC, Hobart, 23 March 2000 (2000) [O3]

Burton Smith, R, **Leeson, SA**, 'Gender segregation and single-sex schooling (ABC National)', *Radio*, ABC Tracey Hutchinson, Sydney, 28 March 2000 (2000) [O3]

**Carson, J**, 'Psychological and psychophysiological correlates of occupational stress', *7ZR Drive Time with Jules Retro*, ABC, Hobart, 26 May 2000 (2000) [O3]

**Fullarton, SL**, 'Eating study', *TV News*, ABC TV, Hobart, 5 November 2000 (2000) [O3]

# Tasmanian Aquaculture and Fisheries Institute

## Aquaculture

### Journal Article

- Bransden, MP**, Carson, J\*, Munday, BL, Handler, JH\*, Carter, CG, Nowak, BF, 'Nocardiosis in tank-reared Atlantic salmon, *Salmo salar* L', *Journal of Fish Diseases*, **23** 83-85 (2000) [A1]
- Cleary, JJ**, Pankhurst, NW, Battaglione, SC\*, 'The effect of capture and handling stress on plasma steroid levels and gonadal condition in wild and farmed snapper *Pagrus auratus* (Sparidae)', *Journal of the World Aquaculture Society*, **41** (4) 558-569 (2000) [A1]
- Cox, ES**, Pankhurst, PM, 'Feeding behaviour of greenback flounder larvae, *Rhombosolea tapirina* (Günther) with differing exposure histories to live prey', *Aquaculture*, **183** 285-297 (2000) [A1]
- Douglas-Helders, GM**, Nowak, BF, Zilberg, D, Carson, J, 'Survival of *Paramoeba pemaquidensis* on dead salmon: Implications of management of cage hygiene', *Bulletin of European Association of Fish Pathologists*, **20** (3) 167-169 (2000) [A1]
- English, LJ**, Maguire, GB\*, Ward, RD\*, 'Genetic variation of wild and hatchery populations of the Pacific oyster, *Crassostrea gigas* (Thunberg), in Australia', *Aquaculture*, **187** 283-298 (2000) [A1]
- Findlay, VL**, Munday, BL, 'The immunomodulatory effects of levamisole on the nonspecific immune system of Atlantic salmon, *Salmo salar* L', *Journal of Fish Diseases*, **23** 369-378 (2000) [A1]
- Frances, J**, Nowak, BF, Allan, GL\*, 'Effects of ammonia on juvenile silver perch (*Bidyanus bidyanus*)', *Aquaculture*, **183** 95-103 (2000) [A1]
- Haddy, JA**, Pankhurst, NW, 'The effects of salinity on reproductive development, plasma steroid levels, fertilisation and egg survival in black bream *Acanthopagrus butcheri*', *Aquaculture*, **188** (2000) 115-131 (2000) [A1]
- Haddy, JA**, Pankhurst, NW, 'The efficacy of exogenous hormones in stimulating changes in plasma steroids and ovulation in wild black bream *Acanthopagrus butcheri* is improved by treatment at capture', *Aquaculture*, **191** 351-366 (2000) [A1]
- Hobby, AC**, Geraghty, DP, Pankhurst, NW, 'Differences in binding characteristics of sex steroid binding protein in reproductive and nonreproductive female rainbow trout (*Oncorhynchus mykiss*), black bream (*Acanthopagrus butcheri*), and greenback flounder (*Rhombosolea tapirina*)', *General and Comparative Endocrinology*, **120** 249-259 (2000) [A1]
- Hobby, AC**, Pankhurst, NW, **Haddy, JA**, 'The effect of short term confinement stress on binding characteristics of sex steroid binding protein (SBP) in female black bream (*Acanthopagrus butcheri*) and rainbow trout (*Oncorhynchus mykiss*)', *Comparative Biochemistry and Physiology Part A*, **125** 85-94 (2000) [A1]
- Mondon, JA**, Duda, SE, Nowak, BF, 'Immune response of greenback flounder *Rhombosolea tapirina* after exposure to contaminated marine sediment and diet', *Marine Environmental Research*, **50** 443-450 (2000) [A1]

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

\* *Not a member of this University*

**Morrison, RN**, Nowak, BF, 'Elution of snapper, *Pagrus auratus* (Bloch and Schneider) Ig from a protein A affinity chromatography column yields contamination from the binding ligand', *Bulletin of European Association of Fish Pathologists*, **20** (5) 174-179 (2000) [A1]

**Morrison, RN**, Nowak, BF, Carson, J\*, 'The effect of levamisole as an adjuvant on the humoral immune response of Atlantic salmon (*Salmo salar* L.)', *Bulletin of European Association of Fish Pathologists*, **20** 101-105 (2000) [A1]

Nowak, BF, **Clark, A**, Pankhurst, PM, Speare, D\*, 'Langhans' giant cells in the gills of an Atlantic salmon', *Australian Veterinary Journal*, **78** 191-192 (2000) [A1]

Pankhurst, NW, **Poortenaar, CW**, 'Milt characteristics and plasma levels of gonadal steroids in greenback flounder *Rhombosolea tapirina* following treatment with exogenous hormones', *Marine and Freshwater Behaviour and Physiology*, **33** 141-159 (2000) [A1]

**Poortenaar, CW**, Pankhurst, NW, 'Effect of luteinising hormone-releasing hormone analogue and human chorionic gonadotropin on ovulation, plasma and ovarian levels of gonadal steroids in greenback flounder *Rhombosolea tapirina*', *Journal of the World Aquaculture Society*, **31** (2) 175-185 (2000) [A1]

**Poortenaar, CW**, Pankhurst, NW, 'Testosterone treatment augments LHRH-a induced ovulation in greenback flounder', *Marine and Freshwater Behaviour and Physiology*, **33** 281-291 (2000) [A1]

**Sadler, J**, Wells, RMG\*, Pankhurst, PM, Pankhurst, NW, 'Blood oxygen transport, rheology and haematological responses to confinement stress in diploid and triploid Atlantic salmon, *Salmo salar*', *Aquaculture*, **184** 349-361 (2000) [A1]

**Sadler, J**, Pankhurst, NW, Pankhurst, PM, King, HR\*, 'Physiological stress responses to confinement in diploid and triploid Atlantic salmon', *Journal of Fish Biology*, **56** 506-518 (2000) [A1]

Stauber, JL\*, Benning, RJ\*, Hales, LT\*, **Eriksen, RS**, Nowak, BF, 'Copper bioavailability and amelioration of toxicity in Macquarie Harbour, Tasmania, Australia', *Marine and Freshwater Research*, **51** 1-10 (2000) [A1]

**Thomas, PM**, Bremner, HA\*, Pankhurst, NW, 'Quantitative extraction of nucleotides from frozen muscle samples of Atlantic salmon (*Salmo salar*) and rainbow trout (*Oncorhynchus mykiss*): effects of time taken to sample and extraction method', *Journal of Food Biochemistry*, **24** 147-159 (2000) [A1]

**Stewart, NJ**, Munday, BL, 'Current research on ulcerative mycosis and related studies', *Australian Mammalogy*, **21** 263 (2000) [A4]

## Conference Publication

**King, HR**, Pankhurst, NW, 'Ovulation of Tasmanian Atlantic salmon maintained at elevated temperatures: implications of climate change for sustainable industry development', *Proceedings of the 6th International Symposium of the Reproductive Physiology of Fish*, Bergen, Norway, 396-398 (2000) [F1]

**Bransden, MP**, Carter, CG, Nowak, BF, 'Alternative methods for nutrition research on the southern bluefin tuna, *Thunnus maccoyii*: Use of Atlantic salmon, *Salmo salar*, to screen experimental feeds', *The Ninth International Symposium on Nutrition and Feeding in Fish*, Miyazaki, Japan, 67 (2000) [F3]

**Bransden, MP**, Carter, CG, Nowak, BF, 'Effects of dietary protein source on growth, immune function and disease resistance of Atlantic salmon, *Salmo salar* L., Parr', *The Ninth International Symposium on Nutrition and Feeding in Fish*, Miyazaki, Japan, 17 (2000) [F3]

Carter, CG, Glenncross, BD\*, **Verbeeten, BE**, **Bransden, MP**, Thomas, PM\*, Carragher, JF\*, van Barneveld, RJ\*, 'Growth potential and performance of farmed southern bluefin tuna *Thunnus maccoyii*', *Growth and Growth Regulation in Fish*, Aberdeen, Scotland, 25-28 (2000) [F3]

Carter, CG, **Bransden, MP**, **Verbeeten, BE**, Glenncross, BD\*, van Barneveld, RJ\*, 'The use of alternative methods for nutrition research on the Southern bluefin tuna *Thunnus maccoyii*', *The Ninth International Symposium on Nutrition and Feeding in Fish*, Miyazaki, Japan, 23 (2000) [F3]

**Cheshuk, BW**, Purser, GJ, Quintana, R\*, 'The potential of integrated bivalve (*Mytilus planulatus*) and Atlantic salmon (*Salmo salar*) culture in North West Bay, Tasmania, Australia', *From Culture to Consumer*, Hobart, Tasmania, 44 (2000) [F3]

Edwards, SJ, Burke, CM, **Hindrum, SM**, Johns, DR, 'Recovery and growth effects of anaesthetic and mechanical removal on greenlip (*Haliotis laevis*) and blacklip (*Haliotis rubra*) abalone', *Fourth International Abalone Symposium: Biology, Culture, Fisheries*, Cape Town, 16-17 (2000) [F3]

**Farhangi, M**, Carter, CG, 'Growth, physiological and immunological responses of rainbow trout to different inclusion levels of dehulled lupin (*Lupinus angustifolius*) in the diet as fish meal replacements', *The Ninth International Symposium on Nutrition and Feeding in Fish*, Miyazaki, Japan, 70 (2000) [F3]

**Haddy, JA**, Pankhurst, NW, 'The effect of salinity on plasma steroid concentrations in adult male and female black bream *Acanthopagrus butcheri* (Sparidae)', *Proceedings of the 6th International Symposium of the Reproductive Physiology of Fish*, Bergen, Norway, 414 (2000) [F3]

**Harris, JO**, Burke, CM, Edwards, SJ, Johns, DR, 'Effect of oxygen supersaturation and temperature on juvenile greenlip, *Haliotis laevis*, and blacklip, *Haliotis rubra*, abalone', *Fourth International Abalone Symposium: Biology, Culture, Fisheries*, Cape Town, 27 (2000) [F3]

**Hauler, RC**, Carter, CG, 'Estimation of the lysine requirement for Atlantic salmon (*Salmo salar* L.)', *Proceedings of the Nutrition Society of Australia*, 24, 226 (2000) [F3]

**Hauler, RC**, Carter, CG, 'Lysine deposition responds linearly to energy intake in Atlantic salmon (*Salmo salar* L. parr)', *The Ninth*

*International Symposium on Nutrition and Feeding in Fish*, Miyazaki, Japan, 125 (2000) [F3]

**Hindrum, SM**, Burke, CM, Edwards, SJ, Johns, DR, 'Growth reductions in greenlip (*Haliotis laevis*) and blacklip (*Haliotis rubra*) abalone resulting from chronic exposure to sublethal combinations of elevated ammonia and low dissolved oxygen levels', *Fourth International Abalone Symposium: Biology, Culture, Fisheries*, Cape Town, 29 (2000) [F3]

**Hobby, AC**, Pankhurst, NW, Geraghty, DP, 'Relative binding affinities of steroids for sex steroid binding protein (SBP) are similar despite differences between species in affinity and capacity for estradiol', *Proceedings of the 6th International Symposium of the Reproductive Physiology of Fish*, Bergen, Norway, 177 (2000) [F3]

**Marshall, JA**, Munday, BL, Newman, SJ, Yoshizawa, Y, Hallegraef, GM, 'Comparative effect of high light intensity of *Chattonella marina* from South Australia and Japan: implications for reactive oxygen species production', *Conference Abstracts and Participants*, Hobart, Tasmania, 35 (2000) [F3]

**Poortenaar, CW**, Pankhurst, NW, 'Potential for dopamine inhibition of GtH release in greenback flounder *Rhombosolea tapirina*: indirect assessment by measurement of gonadal steroids and ovulation', *Proceedings of the 6th International Symposium of the Reproductive Physiology of Fish*, Bergen, Norway, 439 (2000) [F3]

Purser, GJ, **Chen, WM**, Blyth, PJ\*, 'Feeding cultured fish: the role of chronobiology', *From Culture to Consumer*, Hobart, Tasmania, 106 (2000) [F3]

**Stewart, NJ**, Munday, BL, 'The use of the western blot technique for the detection of antibodies to *M. amphibiorum*, the causative agent of ulcerative mycosis in Tasmania', *Abstracts of the 8th Congress of the International Society of Developmental and Comparative Immunology*, Cairns, Queensland, Australia, S13 (2000) [F3]

**Watts, M**, Munday, BL, Burke, CM, 'Comparison of Total Immunoglobulin, complement and lysozyme concentrations in different groups of Southern Bluefin tuna (*Thunnus maccoyii*)', *Abstracts of the 8th Congress of the International Society of Developmental and Comparative Immunology*, Cairns, Queensland, Australia, S88 (2000) [F3]

## Other Public Output

Purser, GJ, **Chen, WM**, 'Feeding patterns in cultured greenback flounder *Rhombosolea tapirina*', *Austasia Aquaculture*, Turtle Press, Hobart, Tasmania, 14, 5 (2000) [O2]

# Tasmanian Aquaculture and Fisheries Institute

## Fish Health Unit

### Journal Article

**Douglas-Helders, GM**, Nowak, BF, Zilberg, D,  
Carson, J, 'Survival of *Paramoeba pemaquidensis*  
on dead salmon: Implications of management  
of cage hygiene', *Bulletin of European Association  
of Fish Pathologists*, **20** (3) 167-169 (2000) [A1]

# Tasmanian Aquaculture and Fisheries Institute

## Marine Research Laboratory

### Journal Article

Edgar, GJ, Barrett, NS, **Graddon, DJ**, Last, PR\*,  
'The conservation significance of estuaries: a  
classification of Tasmanian estuaries using eco-  
logical, physical and demographic attributes as  
a case study', *Biological Conservation*, **92** (3) 383-  
397 (2000) [A1]

### Conference Publication

Phlegher, CF\*, **Nelson, MD**, Mooney, BD\*,  
Nichols, PD\*, Hart, PR, Ritar, AJ, **Smith, GG**,  
'Lipids and nutrition of the Southern rock lob-  
ster, *Jasus edwardsii*, from hatch to puerulus',  
*Sixth International Conference and Workshop on  
Lobster Biology and Management*, Key West,  
Florida, 63 (2000) [F3]

# Tasmanian Aquaculture and Fisheries Institute

## Zoology – TAFI Activity

### Journal Article

Edgar, GJ, Barrett, NS, **Graddon, DJ**, Last, PR\*,  
'The conservation significance of estuaries: a  
classification of Tasmanian estuaries using eco-  
logical, physical and demographic attributes as  
a case study', *Biological Conservation*, **92** (3) 383-  
397 (2000) [A1]

### Conference Publication

Phlegher, CF\*, **Nelson, MD**, Mooney, BD\*,  
Nichols, PD\*, Hart, PR, Ritar, AJ, **Smith, GG**,  
'Lipids and nutrition of the Southern rock lob-  
ster, *Jasus edwardsii*, from hatch to puerulus',  
*Sixth International Conference and Workshop on  
Lobster Biology and Management*, Key West,  
Florida, 63 (2000) [F3]

### Thesis Accepted for Higher Degree

**MacLeod, C**, 'Techniques for farm-based assess-  
ment of sediment health associated with the  
commercial culture of Atlantic salmon (*Salmo  
salar* L.) in Tasmania' (2000) [M1]

# Zoology

## Journal Article

- Barnes, RW, Jordan, GJ, Hill, RS\*, **McCoull, CJ**, 'A common boundary between distinct northern and southern morphotypes in two unrelated Tasmanian rainforest species', *Australian Journal of Botany*, **48** 481-491 (2000) [A1]
- Bonnadonna, F\*, **Lea, MA**, Guinet, C\*, 'Foraging routes of Antarctic fur seals (*Arctocephalus gazella*) investigated by the concurrent use of satellite tracking and time-depth recorders', *Polar Biology* (23) 149-159 (2000) [A1]
- Bulinski, J**, McArthur, C, 'Observer errors in counts of macropod scats', *Wildlife Research* (27) 277-282 (2000) [A1]
- Bulinski, J**, 'Relationships between herbivore abundance and browsing damage in Tasmanian eucalypt plantations', *Australian Forestry*, **63** (3) 181-187 (2000) [A1]
- Bulinski, J**, McArthur, C, 'Spatial distribution of browsing damage and mammalian herbivores in Tasmanian eucalypt plantations', *Australian Forestry*, **63** (1) 27-33 (2000) [A1]
- Burridge, CP**, Smolenski, AJ, 'Microsatellite loci from the marine fish *Nemadactylus macropterus* (Perciformes: Cheilodactylidae)', *Molecular Ecology* (9) 1180-1181 (2000) [A1]
- Burridge, CP**, 'Molecular phyloeny of the Aplodactylidae (Perciformes: Cirrhitioidea), a group of Southern Hemisphere marine fishes', *Journal of Natural History* (34) 2173-2185 (2000) [A1]
- Burridge, CP**, White, RWG, 'Molecular phylogeny of the antitropical subgenus *Goniistius* (Perciformes: Cheilodactylidae: *Cheilodactylus*): evidence for multiple transequatorial divergences and non-monophyly', *Biological Journal of the Linnean Society* (70) 435-458 (2000) [A1]
- Clarke, AK**, 'Records of the Tasmanian cava fauna known or purported to be in the South Australian Museum', *Helictite*, **36** (2) 23-37 (2000) [A1]
- Evans, BS**, White, RWG, Elliott, NG\*, 'Characterization of microsatellite loci in the Australian Blacklip abalone (*Haliotis rubra*, Leach)', *Molecular Ecology* (9) 1183-1184 (2000) [A1]
- Gartrell, BD**, O'Donoghue, P\*, Raidal, SR\*, '*Eimeria dunsingi* in free living musk lorikeets (*Glossopsitta concinna*)', *Australian Veterinary Journal*, **78** (10) 717-718 (2000) [A1]
- Gartrell, BD**, Jones, SM, Brereton, RN\*, Astheimer, LB\*, 'Morphological adaptations to Nectarivory of the Alimentary Tract of the Swift Parrot *Lathamus discolor*', *Emu*, **100** 274-279 (2000) [A1]
- Gartrell, BD**, 'The Nutritional, Morphologic and Physiologic Bases of Nectarivory in Australian Birds', *Journal of Avian Medicine and Surgery*, **14** (2) 85-94 (2000) [A1]
- Guinet, C\*, **Lea, MA**, Goldsworthy, SD, 'Mass change in Antarctic fur seal (*Arctocephalus gazella*) pups in relation to maternal characteristics at the Kerguelen Islands', *Canadian Journal of Zoology* (78) 476-483 (2000) [A1]

Hindell, MA, **Lea, MA**, Morrice, MG, MacMahon, CR\*, 'Metabolic limits on dive duration and swimming speed in the Southern Elephant seal *Mirounga leonina*', *Physiological and Biochemical Zoology*, **73** (6) 790-798 (2000) [A1]

Holz, P\*, Phelan, J\*, Slocombe, r\*, Cowden, A\*, Miller, M\*, **Gartrell, BD**, 'Suspected Zinc Toxicosis as a Cause of Sudden Death in Orange-Bellied Parrots (*Neophema chrysogaster*)', *Journal of Avian Medicine and Surgery*, **14** (1) 37-41 (2000) [A1]

**Hull, CL**, 'Comparative diving behaviour and segregation of the marine habitat by breeding Royal Penguins, *Eudyptes schlegeli*, and eastern Rockhopper Penguins, *Eudyptes chrysocome filholi*, at Macquarie Island', *Canadian Journal of Zoology* (78) 333-345 (2000) [A1]

**Kabat, AP**, Kincade, TJ, 'A portable device for restraining small bats', *Australian Mammalogy* (21) 249-250 (2000) [A1]

**Newman, SJ**, Dunlap, WC\*, Nicol, S\*, Ritz, DA, 'Antarctic krill (*Euphausia superba*) acquire a UV-absorbing mycosporine-like amino acid from dietary algae', *Journal of Experimental Marine Biology and Ecology*, **255** 93-110 (2000) [A1]

**O'Reilly, JW**, McArthur, C, 'Damage to and intake of plantation seedlings by captive European rabbits (*Oryctolagus cuniculus*)', *Australian Forestry*, **63** (1) 1-6 (2000) [A1]

Olsson, M\*, **Wapstra, E**, Madsen, T\*, Silverin, B\*, 'Testosterone, ticks and travels: a test of the immunocompetence-handicap hypothesis in free-ranging male sand lizards', *Royal Society of London. Philosophical Transactions. Series B.* (267) 2339-2343 (2000) [A1]

Smales, I\*, Brown, P\*, Menkhorst, P\*, **Holdsworth, MC**, Holz, P\*, 'Contribution of captive management of Orange-bellied parots *Neophema chrysogaster* to the the recovery programme for the species in Australia', *International Zoo Yearbook* (37) 171-178 (2000) [A1]

Sweijd, NA\*, Bowie, RCK\*, **Evans, BS**, Lopata, AL\*, 'Molecular genetics and the management and conservation of marine organisms', *Hydrobiologia* (420) 153-164 (2000) [A1]

**Wapstra, E**, 'Maternal basking opportunity affects juvenile phenotype in a viviparous lizard', *Functional Ecology* (14) 345-352 (2000) [A1]

**Waters, JM, Burridge, CP**, 'Extreme intraspecific mitochondrial DNA sequence divergence in *Galaxias maculatus* (Osteichthys: Galaxiidae), one of the world's most widespread freshwater fish', *Molecular Phylogenetics and Evolution*, **11** (1) 1-12 (1999) [A1]

**Waters, JM**, Lopez, JA\*, Wallis, GP\*, 'Molecular phylogenetics and biogeography of galaxiid fishes (Osteichthyes: Galaxiidae): Dispersal, vicariance and the position of *Lepidogalaxias salaman-droides*', *Systematics Biology*, **49** (4) 777-795 (2000) [A1]

**Wynen, LP**, Goldsworthy, SD, Guinet, C\*, Bester, MN\*, Boyd, IL\*, Gjertz, I\*, Hofmeyr, GJG\*, White, RWG, Slade, R\*, 'Postsealing genetic variation and population structure of two species of fur seal (*Arctocephalus gazella* and *A. tropicalis*)', *Molecular Ecology* (9) 299-314 (2000) [A1]

## Conference Publication

**Hansen, B**, Richardson, AMM, 'Conservation implications arising from a systematic review of the Tasmanian freshwater crayfish genus *Parastacoides* (Decapoda: Parastacidae)', *Crustacean Issues 12*, The Netherlands, 799-805 (2000) [F1]

**Yee, M**, Yuan, ZQ, Richardson, AMM, Taylor, RJ\*, Mohammed, CL, 'Saproxyllic insects and their association with wood decay fungi in Tasmania: Will log size be their downfall?', *To be advised*, To be advised (2000) [F2]

**Marshall, JA**, Munday, BL, Newman, SJ, Yoshizawa, Y, Hallegraeff, GM, 'Comparative effect of high light intensity of *Chattonella marina* from South Australia and Japan: implications for reactive oxygen species production', *Conference Abstracts and Participants*, Hobart, Tasmania, 35 (2000) [F3]

## Thesis Accepted for Higher Degree

**Clarke, JR**, 'Foraging strategies of Adelie penguins at Bechervaise Island' (2000) [M1]

**Pye, T**, 'Ecology and reproductive biology of the feral black rat (*Rattus rattus*) on subantarctic Macquarie Island' (2000) [M1]

**Burridge, CP**, 'Molecular genetics of cirrhitoid fishes (Perciformes: Cirrhitidae): phylogeny, taxonomy, biogeography and stock structure' (2000) [M3]

**Edwards, A**, 'Steroids and reproductive biology in the Blotched Blue-tongued Lizard, *Tiliqua nigrolutea*' (2000) [M3]

**Thiele, D**, 'A multidisciplinary ecosystem approach to the study of Cetaceans in the Southern Ocean' (2000) [M3]

# Research Output 2000

	Items	Total Weighted	PhD/Masters Items	PhD/Masters Weighted	Percentage Items	Percentage Weighted
<b>Arts</b>						
Art (Hobart)	100	100.00	43	43.00	43	43
Asian Languages and Studies	26	25.00	2	1.50	7	6
Conservatorium of Music	8	8.00				
English and European Languages and Literatures	52	51.50	6	6.00	11	11
Government	57	51.50	9	8.50	15	16
History and Classics	35	34.00	6	6.00	17	17
Philosophy	48	46.83	3	2.50	6	5
Riawunna	8	8.00				
Sociology and Social Work	49	38.45	3	2.00	6	5
Visual and Performing Arts	50	50.00	17	17.00	34	34
<b>Sub Total</b>	<b>433</b>	<b>413.28</b>	<b>89</b>	<b>86.50</b>	<b>20</b>	
<b>Commerce and Law</b>						
Accounting and Finance	8	5.45	1	0.50	12	9
Centre for Regional Economic Analysis	35	24.72				
Economics	15	12.08	1	0.33	6	2
Information Systems	8	6.33	2	2.00	25	31
Law	78	72.17	10	9.50	12	13
Management	27	19.98	2	0.67	7	3
<b>Sub Total</b>	<b>171</b>	<b>140.73</b>	<b>16</b>	<b>13.00</b>	<b>9</b>	<b>9</b>
<b>Education</b>						
Early Childhood and Primary Education	70	63.35	1	1.00	1	1
Secondary and Post-Compulsory Education	37	32.28	4	2.00	10	6
<i>Centre for Research and Learning in Regional Australia</i>	22	21.15	1	0.60	4	2
<b>Sub Total</b>	<b>129</b>	<b>116.78</b>	<b>6</b>	<b>3.60</b>	<b>4</b>	<b>3</b>
<b>Health Science</b>						
Biomedical Science	18	12.43	7	2.25	38	18
Medicine						
<i>Anatomy and Physiology</i>	26	24.92	9	3.56	34	14
<i>Biochemistry</i>	22	17.80	14	7.66	63	43
<i>General Practice</i>	19	16.67				
<i>Medicine (Discipline)</i>	40	24.79	1	0.50	2	2
<i>Paediatrics and Child Health</i>	2	1.92				
<i>Pathology</i>	42	33.15	21	11.22	50	33
<i>Psychiatry</i>	18	16.27				
<i>Surgery</i>	4	1.97				
Menzies Centre	63	55.05	3	1.48	4	2
Nursing	19	18.33				
Pharmacy	19	17.32	5	1.75	26	10
Rural Health	10	6.67				
<b>Sub Total</b>	<b>302</b>	<b>247.27</b>	<b>60</b>	<b>28.41</b>	<b>19</b>	<b>11</b>
<b>Institutional and Other</b>						
Deputy Principal's Division	0.50					
<b>Sub Total</b>	<b>0.50</b>					
<b>Science and Engineering</b>						
Agricultural Science	131	75.67	47	21.45	35	28
<i>Tasmanian Institute of Agricultural Research</i>	10	33.95	5	2.12	50	6
Applied Science	9	5.48	3	0.20	33	3
Architecture	36	30.08				
Central Science Laboratory	5	5.38	2			
Chemistry	85	63.02	36	10.65	42	16
Computing	12	12.50				
CRC-Antarctic and Southern Ocean Environment	7	5.78				
CRC-Sustainable Production Forestry	3	8.37				
Earth Sciences	21	16.05	2	1.14	9	7
<i>Centre for Ore Deposit Research - CODES SRC</i>	106	82.49	31	18.68	29	22
Engineering	58	43.93	24	11.57	41	26
Geography and Environmental Studies	81	67.04	26	17.43	32	25
Mathematics & Physics						
<i>IASOS</i>	19	13.33	8	3.23	42	24
<i>Mathematics</i>	34	28.21	5	2.67	14	9
<i>Physics</i>	38	16.00	13	4.46	34	27
Plant Science	43	35.38	20	9.24	46	26
Psychology	60	56.93	30	16.75	50	29
Tasmanian Aquaculture and Fisheries Institute						
<i>Aquaculture</i>	65	47.82	40	16.10	61	33
<i>Fish Health Unit</i>		0.25				
<i>Marine Research Laboratory</i>	50	46.13	2	0.14	4	0
<i>Zoology - TAFI Activity</i>	2.39		1.14		47	
Zoology	62	43.35	32	18.14	51	41
<b>Sub Total</b>	<b>935</b>	<b>739.55</b>	<b>326</b>	<b>155.12</b>	<b>34</b>	<b>20</b>
<b>TOTAL</b>	<b>1970</b>	<b>1658.12</b>	<b>497</b>	<b>286.64</b>	<b>25</b>	<b>17</b>