

EDITOR'S NOTE

Many thanks to all of those people who contributed to this edition of the Newsletter. As always, the contributions to the Newsletter show that geographers continue to be extremely active, innovative and productive in education and research. The forthcoming IAG Conference in Canberra will undoubtedly further emphasise the contribution of geographers to understanding a range of important issues. Given the many changes affecting universities, it will also be a valuable opportunity to compare notes with colleagues elsewhere on the state of the discipline. Importantly, one of the aims of the conference is provide opportunities for academic and non-academic geographers to exchange ideas.

Could you please note that the deadline for submissions for the next issue of the Newsletter is 30 November 2002. The preferred formats for file attachments are MS Word for Windows to version 2000 or RTF format. If you are unable to save attachments in these formats, please copy them into the text section of your e-mail message and forward to **Matthew Tonts at: <mtonts@geog.uwa.edu.au>**

Matthew Tonts
Department of Geography
University of Western Australia

IAG NEWS

IAG General Meeting

The IAG General Meeting will be held at the IAG Conference in Canberra on 11 July 2002, 6-7pm. The venue will be announced at the Conference. All members are welcome to attend.

There are a number of Proposed Constitutional Amendments, to be discussed and voted on at the IAG General Meeting.

Existing

6.2 ... The quorum at a General Meeting shall be thirty members of the Institute. ...

This to be altered to

6.2 ... The quorum at a General Meeting shall be fifteen members of the Institute. ...

Existing

7.1 The Business of the Council shall be conducted by a Council of financial members consisting of a President, two vice-Presidents one of whom shall be the Immediate Past President and the other shall be the President Elect, and Honorary Secretary, and Honorary Treasurer, and four Councillors. ...

This to be altered to

7.1 The Business of the Council shall be conducted by a Council of financial members consisting of a President, two vice-Presidents one of whom shall be the Immediate Past President and the other shall be the President Elect, and Honorary Secretary, and Honorary Treasurer, and five Councillors, at least one of whom will be elected from among members of the Institute who are postgraduate students. ...

Existing

8.3 Election of the Offices of Vice-President, Honorary Secretary, and Honorary Treasurer shall be by simple majority. Election of the four Councillors shall be by such system of voting as the Council shall from time to time determine.

This to be altered to

8.3 Election of the Offices of Vice-President, Honorary Secretary, and Honorary Treasurer shall be by simple majority. Election of the five Councillors, one of whom shall be a postgraduate student member of the Institute, shall be by such system of voting as the Council shall from time to time determine.

Australian Geographical Studies

Over the past few years, the Institute's journal, *Australian Geographical Studies*, has gone from strength to strength, and is currently subscribed to by 555 institutions. The breakdown of subscriptions by international region is presented in Table 1.

Table 1 Subscriptions to AGS by International Region (Vol 39)

Region	Print	Electronic Only	Total
Australia and New Zealand	87	4	91
Europe – UK	28	11	39
Europe – Continent	42	31	73
North America	93	103	196
Japan	17	-	17
Rest of World	34	105	139
Total	301	254	555

The electronic version of *Australian Geographical Studies* is proving to be extremely popular and has certainly increased the visibility and impact of Australian Geography. The journal is available through service providers such as Ingenta, OCLC, Swetsnet, Information Quest, and Ebsco Online. In 2001 a total of 2,625 articles were accessed online (compared with 996 in 2000). Table 2 shows those articles accessed most frequently using the server Ingenta. The domains with the highest number of hits on Ingenta were: Leicester University; University of WA; Durham University; Griffith University; London School of Economics; Monash University.

Table 2 Most Frequently Accessed Articles via Ingenta in 2001

Article	Accesses
<i>Financial exclusion in rural and remote New South Wales, Australia: a geography of bank branch rationalisation, 1981-98</i> ; Argent, N. & Rolley, F.	145
<i>Fluvial geomorphology and river management</i> ; Douglas, I.	123
<i>Beyond Kyoto? Media representation of an environmental issue</i> ; McManus, P.	57
<i>Analysis of explorers' records of Aboriginal landscape burning in the Kimberley region of Western Australia</i> ; Vigilante, T.	54
<i>An exchange for all things? An inquiry into the scholarship of fire</i> ; Pyne, S.	43
<i>Putting geography in its place</i> ; Livingstone, D.	42
<i>Frontiers, borders, edges: liminal challenges to the hegemony of exclusion</i> ; Howitt, R.	36
<i>On disciplinary history and textbooks: or where has spatial analysis gone</i> ; Johnston, R.	36
<i>Rainforests and flame forests: the Great Australian fire dichotomy</i> ; Bowman, D.	35
<i>Dividing societies: the socio-political spatial implications of restructuring in Australia</i> ; Stimson, R.	34

Discounts on Blackwell Books and Journals for IAG Members

Blackwell are delighted to offer IAG members a discount of 20% off all Blackwell books and many journals. To take advantage of this offer, simply:

1. Visit <http://www.blackwellpublishers.co.uk/journals/ages/society>
2. Print off the Society Members Special Order Form
3. Enter the details of the books and journals you wish to order
4. Return your completed form, with payment, to: Judy Cornish, IAG Member Orders, Blackwell Publishing, 108 Cowley Road, Oxford OX4 1JF, UK. Fax: +44 1865 381361

IAG Website

The IAG website has recently been moved and updated. It can now be found at:

www.iag.org.au

The website includes information on study groups, future conferences, publications of the IAG, careers in geography and links to geography departments and organisations around the world.

IAG Study Groups

Cultural Geography Study Group

The Cultural Geography Study Group held a workshop entitled *Cultural Turn or Down Turn* at the University of Newcastle, December 3rd and 4th 2001. This workshop was jointly organised by Gordon Waitt, School of Geoscience, University of Wollongong, and Kathleen Mee, Centre for Urban and Regional Studies (CURS) and the School of Geosciences, University of Newcastle. The group attracted 35 participants from Australia, the UK and the USA. The conference was generously sponsored by the journal *Social and Cultural Geography* (largely due to the efforts of Gordon Waitt and Brendan Gleeson). In addition the IAG provided funds to support the event. The IAG funds were largely used for the purpose of providing travel grants to some post-graduate participants.

14 papers were presented at the conference including presentations by geographers Ian Burnley (UNSW), Kevin Dunn (UNSW), Wendy Shaw (UNSW), Chris Gibson (UNSW), Trish O'Connor, (UNSW), Robyn Dowling (Macquarie), Gordon Waitt (Wollongong), Ruth Lane (Wollongong), Matthew Kearnes (Newcastle), David Christensen (Newcastle), Matthew Rofe (Newcastle), Paul Hodge (Newcastle), Nick Nolan (Newcastle) Coral Young (Newcastle) and Kathy Mee (Newcastle). The work presented in these papers ranged from reflections on the nature of cultural geography in Australia, to considerations of ontological deployments of 'matter' in cultural geography, to empirical contributions that stressed the

importance of a cultural understanding for geographers. A number of these papers were published in the CURS research paper series for 2001.

As a result of the conference a special edition of *Social and Cultural Geography* with the theme 'Culture Matters' is currently being developed. The authors of 7 papers presented at the conference were invited to submit manuscripts for inclusion in the special edition. These papers are currently being refereed. It is hoped that the special edition, showcasing the work of cultural geographers in Australia, will appear as the first edition of *Social and Cultural Geography* in 2003.

During the study group meeting an election was held for office bearers of the Cultural Geography Study Group. It was decided to alter the composition of the office bearers slightly to more fully recognise the responsibilities of group members. The following people were elected:

Convenor: Kathleen Mee (University of Newcastle)
Deputy Convenor: Chris Gibson (University of New South Wales)
Postgraduate Representative: Nick Nolan (University of Newcastle)

Part of the discussion of the study group meeting concerned the possibility of changing the name of the Cultural Geography Study Group, to the Cultural and Social Geography Study Group. In order to investigate this proposal the meeting authorised the convenor to establish a cultural geography steering committee to discuss the proposal. This steering committee comprised:

Kathleen Mee, (Convenor), University of Newcastle
Chris Gibson, (Deputy Convenor), University of New South Wales
Kevin Dunn (Past Convenor), University of New South Wales
Pauline McGuirk, University of Newcastle
Wendy Shaw, University of New South Wales
Gordon Waitt, (Past Convenor), University of Wollongong
Bill Boyd, Southern Cross University
Brendan Gleeson, University of Western Sydney
Roy Jones, Curtin University
Steffanie Scott, University of Western Australia
Robyn Dowling, Macquarie University
Lauren Costello, Monash University
Iain Hay, Flinders University
Elaine Stratford, University of Tasmania
Paul Tranter, Australian Defence Force Academy

For the purposes of this discussion Kathleen Mee and Chris Gibson rewrote the aims of the cultural geography group and presented these new aims to the steering committee for discussion. The current aims and proposed aims follow.

CURRENT AIM of the Cultural Geography Study Group

"The aim of the Group is to further research and education in Cultural Geography. The Group offers a formal network and facilitates events (workshops, conferences, reading groups) for researchers/teachers in Cultural Geography. A General

Meeting will be held to coincide with the Annual General Meeting of the Institute. The Group will issue an annual Newsletter to members. The empirical and conceptual focus of Cultural Geography incorporates: the roles of values and meanings in social formations and landscapes; the social constructions of identity (race, gender etc) and places/spaces/natures; the relationship between the real and the representational; mapping and space; indigenous, feminist and immigrant perspectives; colonialism and post-colonialism; environmentalism; speaking positions; the limits of discourse; and any other theme which develops within this sub-branch of the discipline."

Proposed NEW AIMS for the Cultural and Social Geography Study Group

"The aim of the Group is to further research and education in Cultural and Social Geography. The Group offers a formal network and facilitates events (workshops, conferences, reading groups) for researchers/teachers in Cultural and Social Geography. A General Meeting will be held to coincide with the Annual General Meeting of the Institute. The Group will issue an annual Newsletter to members. The empirical and conceptual focus of Cultural and Social Geography incorporates the following topics and their intersections: the roles of values and meanings in social formations and landscapes; the social constructions of identity (including race, ethnicity, gender, sexuality, class, disability etc) and places/spaces/natures; socio-economic/socio-cultural inequality and the position of socio-cultural groups; power relations/social relations; policy studies including the impacts of government policy on social groups; processes of social exclusion; social and cultural capital; the relationship between the 'real' and the representational; mapping and space; indigenous, feminist, immigrant and minority perspectives; colonialism and post-colonialism; environmentalism; speaking positions; discursive analysis; social justice and injustice studies at a variety of spatial scales and in a multitude of locations; and any other theme which develops within or from these sub-branches of the discipline. Cultural and Social Geography embraces a diversity of methodological approaches, including analysis of written, audio, visual and landscape texts; ethnography; participant observation; action research; interviews; questionnaires; and both qualitative and quantitative data analysis techniques."

Steering committee members suggested three points of view about the proposed changes.

1. Change both the name and the aims
2. Change the aims but retain the current name (and alter the aims to revert to mentioning the Cultural Geography Study Group only)
3. Change the name and the aims, but remove the statement about the discussion of subject matter that specifies the empirical and conceptual focus of Cultural and Social Geography

In response to these insightful comments, the issue will be debated at the Cultural Geography Study Group meeting of the IAG along the following lines. The proposal will be split into two proposals, one concerning the aims and one

concerning the name. Following the vote the IAG council will be advised of the outcome of the debate.

The Cultural Geography Study Group would welcome any insights into the proposal from other members of the IAG. These can be presented at the study group meeting of the IAG, or to the convenor of the group via email (ggkjm@alinga.newcastle.edu.au).

Finally, the Cultural Geography Study Group provided a number of suggestions for sessions at the upcoming IAG. The study group will once again be strongly represented by active cultural geography researchers from across Australia.

Kathy Mee
Convenor

Proposed Study Group on Sustainability and Environmental Management

There is currently some interest in forming a new IAG study group on "Sustainability and Environmental Management". Such a group should appeal to quite a few members from both the "human" and "physical" camps. A meeting to discuss this has been suggested for lunch time on Thursday the 11th July at the IAG Conference. For more details contact Dr Graeme Aplin at the Conference. Alternatively, you can email Graeme at: <graeme.aplin@mq.edu.au>

Study Group Contact Details

The IAG hosts a number of special interest study groups which provide a forum for advancing the development of sub-discipline expertise or special interest issues.

At present the active groups and their convenors are:

Cultural Geography

Dr Kathy Mee
Geography and Environmental Science
University of Newcastle
Rankin Drive
Callaghan, NSW 2308
<ggkjm@alinga.newcastle.edu.au>

Economic Geography

Dr Philip O'Neill
Geography and Environmental Science
University of Newcastle
Rankin Drive
Callaghan, NSW 2308
<ggpmo@cc.newcastle.edu.au>

Rural Systems

Dr Roger Epps
Department of Geography and Planning
School of Human and Environmental Studies
University of New England
Armidale, NSW 2351
<wepps@metz.une.edu.au>

Indigenous Issues

Dr Cathy Robinson
School of Geography and Oceanography
University College, ADFA
University of New South Wales
Canberra, ACT 2600
<cathy.robinson@adfa.edu.au>

FASTS NEWS

The following are extracts from recent media releases by FASTS

Research Priority Setting

The President of FASTS wrote to the Minister to express concern about the recently-announced research priority areas, and met with Science Minister Peter McGauran to discuss ways that FASTS and the working science community could contribute to the development of national priority areas.

While FASTS has consistently supported the identification of national goals, as well as some degree of prioritisation of the research effort towards meeting those goals, we do have reservations about the system as it was announced. FASTS's concerns fall into five areas:

- a. process - lack of consultation
- b. target - too much at the basic research end
- c. quantum - too large a slice
- d. plurality - preserving a pluralistic system
- e. coordination - a whole-of-government approach needed to priorities

In our view, Bill Clinton's science adviser Dr Neal Lane had it right when he addressed the National Press Club in October 2000. When asked how Australia should prioritise its research, he responded:

"How do you know what to invest in? I don't have a complicated solution to that. I said earlier that especially in basic research, we have found that we get the most out of it by investing in the very best people and the very best ideas..."

"And there will be some very high priority national challenges that a nation wants to get at in a given period of time - national security or perhaps for all of us in the area of the environment. Then we think it's important for the Federal Government to try to bring together the scientific communities and all the different agencies that are involved.

"And it's a little bit more directed research, and that's fine, so we spend some of our increases each year on that kind of multi-disciplinary research that's focussed on larger national needs; but then, within that, you still can't do better than betting on the very best people with the very best ideas."

The essential difference between the Australian Government's initial approach and that recommended by Dr Lane is the process of consultation. The Government is now moving towards a more consultative process, and FASTS will assist in that process of consultation.

Ten Top Issues for 2002

1. BRING ON "BACKING AUSTRALIA'S ABILITY"

Speed up the new funding promised to science, so scientists can get to work creating new industries and new jobs.

2. INVEST MORE GOVERNMENT FUNDS IN THE UNIVERSITY SECTOR

Australia's national investment in education is slipping behind other countries. We are in danger of losing brainpower and ending up a nation of low-skill, low-pay industries.

3. ENCOURAGE NEW INDUSTRIES TO RELOCATE TO AUSTRALIA

Meet half the cost of employing new PhD graduates, to encourage companies operating in Australia to compete internationally by employing our best and brightest talent.

4. HECS-FREE EMPLOYMENT FOR SCIENCE AND MATHEMATICS TEACHERS

Science and maths teachers are in short supply in Australia, but they still are forced to pay higher HECS fees than teachers in other subjects.

5. BIG SCIENCE

Call for new proposals for Major National Research Facilities each year, to allow "Big Science" proposals to be funded.

6. DON'T DISCOURAGE SCIENCE AND TECHNOLOGY STUDENTS!

Students studying for careers in science, mathematics and technology fields should not have to pay higher course fees than students studying economics, arts, humanities and social sciences.

7. ENCOURAGE COMPANIES TO INVEST IN NEW PRODUCTS

New and better products come from research and development. Companies should be offered financial incentives to invest in more R&D, through a sliding scale of Government support.

8. RESTORE FUNDING FOR CSIRO

CSIRO has lost staff and funding over the last 10 years. Renewed investment will help it carry out important new research for the national good.

9. SCIENCE IN THE NATIONAL INTEREST

Help focus the national Parliament on innovation by establishing a Standing Committee on Science and Innovation, and by providing better high level scientific advice to Parliament.

10. ENCOURAGE SCIENTISTS TO THINK COMMERCIAL

Allow scientists working in publicly funded research organisations like CSIRO to have a stake in their own research, through rewards for successful commercial ventures.

Conferences

Beyond Globalisation: Subjectivation and Governmentality

25-27 November 2002

A 2-3 day workshop on new ways of researching spaces and subjects in human geography at the Australian National University. Designed for graduate students and academics interested in becoming more familiar with research on subjectivation and governmentality. Sessions will involve reading, discussion and exploration of some applied research projects in a variety of geographical contexts.

The workshop will be led by Professor Katherine Gibson (Human Geography, RSPAS, ANU), Dr Wendy Larner (Sociology, University of Auckland) and Professor Richard Le Heron (Geography and Environmental Science, University of Auckland).

Email inquiries to katherine.gibson@anu.edu.au

Ecological Society of Australia and the New Zealand Ecological Society Conference

2-6 December 2002

For those with an interest in matters biological and ecological, the joint conference of the Ecological Society of Australia and the New Zealand Ecological Society will be held in Cairns from 2-6 December 2002. Some of the topics include: Frugivory and seed dispersal in Australasia; Exotic ant invasions; Healthy savanna and grassland landscapes; Australasian amphibian declines; Weed risk assessment and incursions; Forest restoration in theory and practice; Problems with linear infrastructure corridors; Ecology and Conservation of Tree Kangaroos; Ecological applications of GIS; Climate change and Ecosystems: Can we adapt?; Global plant conservation strategy - What can Australia and New Zealand achieve by 2010?; UNESCO Biosphere reserves; Human Ecology: Integrating social and natural sciences; Ecotourism management and sea birds; Ecotourism management and sea mammals; Making the connections: applying ecological research to management of threatened species/ecosystems; Theory and Practice in the Study of Ecosystem Services; Macroecology of the Wet Tropics rainforests.

Full details are available on the conference website at <http://www.tesag.jcu.edu.au/ecology2002/>

Australian New Zealand Society for Ecological Economics (ANZSEE) 2002 Conference

2-4 December 2002

Theme: Strategies into action: regional and industry policy applications of ecologically sustainable development at University of Technology Sydney (Broadway campus). The conference will explore how regional strategies (local to national and beyond) and industry (ie. sectoral) policies can help create an ecologically sustainable economy.

The conference will have keynote speakers, contributed papers, workshops and discussions. It will give an opportunity to report on ecological economics work done and to explore the agenda for future work.

Everyone who is interested in the creation of an ecologically sustainable economy is welcome to participate. You don't have to be an economist or an ecologist - or a member of ANZSEE ! Please consider presenting a paper related to the conference theme or on some other ecological economics topic. If you would like to contribute a paper, please send, for consideration, a 200-300 word abstract to Mark Diesendorf <mark@sustainabilitycentre.com.au> by Friday 28 June 2002. Abstracts will only be accepted as plain text located in the body of emails (ie. not as an attachment)..

To find out more about the ANZSEE 2002 conference or to register, visit the conference website:

<http://incres.anu.edu.au/anzsee/ANZSEE2002.html>

GRANTS AND AWARDS

Grant and Award Opportunities

IAG Honours Award

Each year the Institute of Australian Geographers offers a cash Award and a year's free membership of the Institute for a paper based on work undertaken in the 4th year Geography Honours degree, or equivalent program, at an Australian university. Manuscripts must not exceed 6,000 words (inclusive of references) and may include not more than six diagrams, maps or photographs together with necessary tables. Manuscripts should be submitted to the editors of *Australian Geographical Studies*, stating that the paper is to be considered for the award. Three copies of the paper should be submitted following the style conventions of *AGS* (see "Notes to Contributors" in a recent issue).

The papers will be reviewed independently by at least two referees and considered for publication in the normal way. The editors will judge which paper receives the award although all papers deemed acceptable by the referees and editors will be published in *AGS*. The designation of high commendation, with a year's free membership of the Institute, may be given to those submissions which come close to the level of the award winner. The paper is expected to be submitted within two years of the student's Honours thesis being accepted. All papers must be single authored. Papers should be submitted to the Editors of *AGS* before the **1st October** closing date.

IAG Postgraduate Paper Award

Applicants for the Postgraduate Paper Award are asked to submit a paper based on work undertaken during their own research for a higher degree. The paper could be submitted during the period of enrolment but should not be submitted later than one year after the award of the degree. The paper must be single authored. Format and standards for the paper will follow that of journal articles to *Australian Geographical Studies*. The Editor(s) of the journal will have sole discretion as to whether the paper will be published. The Award will consist of one year IAG membership fees and a cash sum of \$200.00. The Institute reserves the right not to make an award in any year.

For further details on both of the above awards contact:

The Editors
Australian Geographical Studies
School of Social Sciences
Curtin University
Perth, WA 6845

Grants and Awards Received

Jean Hillier (*Curtin*) is working with a group of researchers at Curtin and Murdoch universities on an AHURI funded project (\$111,000): "The effects of New Living on Indigenous community wellbeing: a case study of urban regeneration". New Living is the WA State's urban regeneration scheme for its public housing estates.

Jean is also working on another AHURI project (\$106,500): "Falling Through the Net? A Risk Management Model for Home Ownership Support Schemes" examining the State government's home ownership support schemes for economically marginal households.

Roy Jones (*Curtin*) and **Christina Birdsall** (*UWA*) \$C5,900 from the Canadian Government Faculty Research Program for a comparative study of urban indigenous issues in Canada and Australia.

Alan Pilgrim (*Curtin*) won an Innovative Teaching Practice Award at Curtin University.

Rural Industries Research and Development Corporation have granted **Jocelyn Davies** funding for the project "Institutional change enabling kangaroo harvest to promote sustainable rangeland landscapes". This research is primarily being undertaken in South Australia by Ms Dana Thomsen who holds a Land and Water Australia postgraduate scholarship, with co-supervision from Dr John Hatch (Economics, Adelaide University). It plans to involve Yami Lester and Kado Muir in field research approaches designed to promote communication in relation to issues of concern to existing kangaroo industry operators and to Aboriginal peoples.

Pramod Sharma (*UQ*) is a principal investigator on the project 'Webmail Information Network for Travel Agents' (\$450,000). The webmail project is a B2B online information distribution and management system for the tourism and travel industry.

Martin Bell and **Bob Stimson** (*UQ*) have received funding for two projects from the University of Queensland: the first, in conjunction with two colleagues in Mathematics, is on Modelling and Visualising Urban Growth and Development, supported by the UQ Research Development Grant (\$40,000); the second is support to establish a GIS Population and Socio-Economic Analysis Lab (\$73,000) from the Research Infrastructure Fund.

The University of Queensland has approved the establishment of a new research centre, the Centre for Research into Sustainable Urban and Regional Futures (CR–SURF), which is based in the School of Geography, Planning and Architecture. It involves researchers from the Faculties of Engineering, Physical Sciences and Architecture; Social and Behavioural Sciences; and Business, Economics and Law. The new centre builds on work undertaken initially by the UQ node of AHURI (up to 2000), and the Urban and Regional Analysis Group. The Director of CR–SURF is **Bob Stimson**. The activities of the new centre in 2002 are underwritten by funding of over \$600,000 from external sources and from within UQ, and include two new ARC projects on Quality of Life and Spatially Integrated Socio-economic analysis.

Bob Stimson and **Scott Baum** (*UQ*) (with colleagues John Western, Pat Mullins and John Johnston in the School of Social Sciences) have recently undertaken two projects funded by the Commonwealth Department of Families and Community Services. The first was a Scoping of Information and Research Needs for the Evaluation of SAAP IV, the joint Commonwealth–States and Territories program funding the provision of accommodation and support services for homeless people in Australia. The second project involves the development of Measures for Assessing Community Strength, focusing on produced economic capital, human capital and social capital measures in six case study communities across Australia,

including one indigenous community (in which the team is assisted by Paul Memmott, Director of the Aboriginal Environments Centre in the School of Geography, Planning and Architecture, UQ).

Iain Hay (*Flinders*) has recently received a number of small research and teaching grants to support (a) a book-length project on social and environmental activism; (b) a co-authored book on ethics in social science and (c) a digital image collection.

Katherine Gibson (*RSPAS, ANU*) received an extension grant of \$150,000 in 2002 for the project on 'Improving productivity of the small holder oil palm sector in Papua New Guinea: a study of bio-physical and socio-economic interactions'.

Mike Bourke (*RSPAS, ANU*) has been made a Fellow of the Australian Institute of Agricultural Science in recognition of his services to the Institute and his contribution to agricultural development and research in Papua New Guinea.

Matthew Tonts, Neil Drew and Chris Lockhart (*UWA*) have been awarded \$20,000 from Healthway to examine the impact of rural depopulation on the geographies of rural sport, particularly participation in organised sport and the viability of country sporting clubs.

Neil Argent (*UNE*) has received an ARC Discovery grant for one year to the tune of \$24,000 to study the changing geographies of the financial services sector in rural and metropolitan Australia, including how financial services firms construct and use information about their customers to guide their locational decision-making.

Professor Bob Fagan (*Macquarie*) received the prestigious *Macdonald Holmes Medal* from the Geographical Society of New South Wales for his contributions to the discipline as a teacher and researcher.

Dr Mike Poulsen and A/Prof Jim Forrest (*Macquarie*), and **Prof Ron Johnston** (*Bristol*) have received a small ARC grant of \$16,000 for their project: 'The geography of ethnic concentrations: a comparative-temporal analysis'.

Dr Graeme Aplin (*Macquarie*) received the *Energy Australia National Trust of Australia (NSW) Award in the Education Category* for his book **Heritage: Identification, Conservation and Management** (Oxford University Press).

NEWS FROM DEPARTMENTS

The University of Queensland

The Department of Geographical Sciences and Planning was incorporated into the School of Geography, Planning and Architecture on 1 July 2001. Subsequently, it has been restructured into three programs: geography, directed by Martin Bell, planning and development directed by Geoff McDonald; and environmental management directed by Tor Hundloe. There is no longer an overall head of Department but the School is headed by Professor Michael Keniger, an architect.

During autumn 2002, the Department has moved to restructure its Bachelor of Regional and Town Planning Degree, changes being progressively introduced in the four years after 2003. Following industry input and staff changes, more emphasis is being placed on community planning, Asian urbanisation, real estate and demography. The proportion of elective courses has been reduced from one quarter to 18 per cent.

The Department has enjoyed initial success with the semester 2002 launch of its postgraduate suite in project management. This program was initiated in 2001 by David Wadley and George Earl and subsequently co-ordinated by the latter. Fields of study include the built environment, logistics and supply chains, production engineering and other applications.

Australian National University

The Department of Human Geography in the Research School of Pacific and Asian Studies is undergoing a process of change under its new Head of Department, Professor Katherine Gibson. A highly successful writing workshop for graduate scholars and their academic supervisors was held at the ANU Kiola Coastal Campus at the end of 2001. We will be welcoming two six month Research Fellows in the coming months. In November the Department will host a workshop for graduate students and interested academics on 'Beyond Globalization: Subjectivation and Governmentality' (see notice). In the meantime we are all busy with preparations for the July IAG conference to be held on the ANU campus.

The University of Western Australia

The Department of Geography at UWA is currently being restructured into a larger School of Earth and Geographical Sciences that will incorporate Geography, Soil Science and Geology. Teaching and research programs in geography are unlikely to change substantially, although there are some opportunities for collaboration between the various disciplines in the new school. Already a new first year unit for all students studying in the School has been developed: 'Earth System Science:

The Dynamic Planet' will be offered in 2003 and incorporate aspects of physical geography, biogeography, soil science and geology. Another new unit, 'Earth System Science: Human Perspectives', will introduce first year students in the school to human geography and, in particular, the relationships between human and biophysical systems.

Another new initiative at UWA has been the development of a Graduate Certificate in Regional Agricultural Planning. The course was initiated by the Western Australian Department of Agriculture and will be offered from Semester 2, 2002, through the School's Institute for Regional Development. The course has been prepared by Arthur Conacher, Matthew Tonts and Jeanette Conacher, with contributions from other staff in the University and various State government agencies.

University of New South Wales

As outlined in an earlier IAG Newsletter, geography at UNSW is currently in a state of transition. Human geographers and those with interests in resource management are now located in the Faculty of the Built Environment (FBE) alongside architecture and urban planning, while process-based physical geographers and remote sensors are now located in the School of Biology, Earth and Environmental Science (BEES). The Applied Geography degree and individual geography courses continue to be taught across the two faculties, and students are able to choose geography courses from within existing majors in Arts and Social Sciences and Science, as well as electives within programs in Law, Urban Planning and Engineering.

UNSW is hosting an international conference on the cultural economy of cities, *Culture, Economy and Place: Asia-Pacific Perspectives*, in August 2002. The conference is currently being organised by Chris Gibson and Peter Murphy in the Faculty of the Built Environment. UNSW is also hosting the annual NSW Geographical Society honours conference, in the Faculty of the Built Environment, later in 2002, as well as the NSW Geographical Society's *Geography's New Frontiers* conference in March 2003, both organised by Kevin Dunn.

University of New England

The School of Human and Environmental Studies is the major stakeholder in a newly installed Inductively Coupled Plasma Spectrometer, in the newly formed Archaeomaterial Analysis Collaborative Research Facility. This machine has the ability to assay up to 70 elements in parts per million or billion, with as little as 100 milligrams of sample. This will be a great help to our growing work on Quaternary studies and past environmental and climatic reconstruction.

The opening of the new Marine Studies Centre at Coffs Harbour (jointly controlled by UNE and Southern Cross Universities) has facilitated the continuing program looking at the record of past sea level fluctuations by Robert Baker and Bob Haworth.

University of Tasmania

The School of Geography and Environmental Studies has grown again with the addition of part of what was the School of Applied Science in Launceston. Undergraduate numbers started the year down somewhat, although we are now only about 10 EFTSU short of a target of 342. During 2002, and probably in line with schools elsewhere in the country, we have been chasing the completion dollars for postgraduate research. This year will see the biggest ever number of PhD graduations from G&ES- at least 12 and probably more. In the process Jamie Kirkpatrick has achieved the record of graduating more PhD students than any other University of Tasmania staff member.

By means that would fit well in a Tom Sharp novel, we have been given money (almost certainly) to start a postgraduate planning course that, hopefully, will become PIA accredited. It will lead to a Grad Dip in Environmental Planning initially and start in 2003. A Level C position to coordinate the program will be advertised shortly. By then we will be a school incorporating geography, environmental studies, geomatics, applied science and planning. Finding a name to incorporate all the pieces seems too difficult especially as talk of further school amalgamations is underway.

STAFF APPOINTMENTS/MOVES

In June 2002 **Dr Kate Lloyd** will join the Department of Human Geography at Macquarie University as a Lecturer. Kate has expertise in tourism issues and the Asia-Pacific region, and was recently awarded a PhD at the University of Sydney.

Professor Bob Fagan (*Macquarie*) has completed his term as inaugural Head of the Department of Human Geography. **A/Prof Jim Forrest** has taken over the role.

Dr Robyn Dowling (*Macquarie*) has been promoted to Senior Lecturer.

Dr Sandra Suchet-Pearson has been awarded a prestigious Macquarie University Research Fellowship for three years from January 2002. During this time her research will focus on 'Capacity building for self determination on the western Cape York Peninsula'.

Jean Hillier (*Curtin*) has recently been appointed to the Chair of Town and Country Planning at the University of Newcastle-upon-Tyne in England following Patsy Healey's retirement. Jean will be taking up the post from 1st September 2003.

Alan Pilgrim (*Curtin*) has been appointed Head of the School of Social Sciences.

Roy Jones appointed Director of the Curtin University's Research Unit on Tourism.

Katherine Gibson has been appointed as Professor and Head of the Department of Human Geography at the Australian National University.

Deirdre McKay has been promoted to Research Fellow in the Department of Human Geography at the Australian National University.

Mike Bourke has been promoted to Adjunct Senior Fellow in the Department of Human Geography at the Australian National University.

Fiona Haslam-McKenzie has been appointed as a Lecturer in the Institute for Regional Development at the University of Western Australia.

Guy Boggs has been appointed as a Lecturer in the Department of Geography, UWA.

Dr Sam Saunders was awarded a Research Fellowship in the Department of Geography, UWA. Sam's research involves the use of computer models to study atmospheric processes.

Scott Baum (*UQ*) (formerly a Research Fellow with AHURI at UQ from 1998–2001) has received ARC funding for five years as an Australian Research Fellow. His appointment is in CR–SURF, where he will be leading research into socio-economic sustainability issues in communities across Australia's cities and towns.

Quentin Stevens (*UQ*), after completing his PhD at The University of Melbourne, has joined the Department of Geographical Sciences and Planning at The University of Queensland as an associate lecturer with interests in urban design within town planning.

Jocelyn Davies is leaving the payroll of The University of Adelaide on voluntary separation in mid July. Jocelyn expects to remain attached to the University as an Adjunct Senior Lecturer, with no immediate change to contact details <jocelyn.davies@adelaide.edu.au>.

Peter Smailes has retired from his position in the Department of Geography and Environmental Studies at the University of Adelaide. Peter has taught geography for nearly four decades in New South Wales, South Australia and Norway and has made (and continues to make) an outstanding contribution to research and scholarship, particularly in the area of rural geography. He was also one of the co-founders of the IAG Rural Studies Group.

A/Prof Howard Bridgman (*Newcastle*) is now the Assistant Dean for Quality Assurance for the Faculty of Science and IT. Howard has also been elected President of the NSW Branch of the Clean Air Society of Australia and New Zealand

The Centre for Urban and Regional Studies at the University of Newcastle has made two full time research appointments. **Natalie Moore** has been appointed Centre Coordinator and **Sally Lane** has been appointed Research Project Officer. These appointments are funded for an initial two-year period by competitive grants earnings.

GEOGRAPHERS ARE WORKING ON ...

Bruno Parolin (*UNSW*) has been undertaking research on the use of GIS to understand the spatial structure of recreational day trips to the Southern Highlands and Hunter Regions of NSW. Extensive surveys of day trips have been carried out which provide geocoded information on stopping patterns and trip paths from origin to one or more destinations. This information has been into a GIS as route patterns and is the basis of modelling work. Bruno has also received a two-year research grant/scholarship from the NSW Department of Housing to develop a spatial decision support system for several social housing areas in Sydney. Collaborators on the grant are Bruce Judd and Jim Plume from the Faculty of the Built Environment, UNSW.

Chris Gibson (*UNSW*) is currently writing up final publications from ARC research on indigenous participation in the cultural industries, as well as work on the cultural economy of cities and regions in Australia. Chris' book on geographies of popular music, with **John Connell** (Sydney), is in its final stages of publication, and will be launched in Sydney in later this year (*Sound Tracks: Popular Music, Identity and Place*, Routledge, London and New York). Chris is co-organising an international conference on the Cultural Economy of Asia-Pacific Cities (to be held in August at UNSW), and is also working on his second book with John Connell, *Music and Tourism*, to be published by Channel View Press in early 2003.

Kevin Dunn (*UNSW*) is currently analysing a large data set on racist attitudes across regions of NSW and Queensland. The results of this work, part of an ARC-funded project with **James Forrest** (*Macquarie*) and **Ian Burnley** (*UNSW*) will be presented at the upcoming IAG conference in Canberra. Kevin is also finalising a book for Sage entitled *Theories of Place and Identity*, and his new book, *Landscapes: Ways of Imagining the World*, co-authored with **Lily Kong** (*National University of Singapore*) and **Hillary Winchester** (*Flinders*), will be on bookshelves by the end of the year.

Roy Jones (*Curtin*) assisted in the organisation of the Council for Australian University Tourism and Hospitality Education conference in Fremantle in February, gave a paper at the recent AAG Conference in Los Angeles and will spend three months on study leave in Canada and the UK working on indigenous and tourism-related issues.

Ian Burnley (*UNSW*) is currently submitting the final report on an Australian Housing Urban Research Institute (AHURI) grant project with Peter Murphy and **Graeme Hugo** (*Adelaide*), which has examined the migration of people on support

benefits moving from Sydney and Adelaide, taking into account housing, social and economic issues. Ian has also recently given expert advice to the NSW state government upper house on the future of public high schools in inner Sydney in the light of socio-demographic changes, as well as writing up chapters for his book on population turnaround and 'sea change' migration, to be published with UNSW Press later in the year.

Jes Sammut (UNSW) is currently working on the restoration of degraded shrimp ponds in Indonesia as part of a major project funded by the Australian Centre for International Agricultural Research (ACIAR), and has recently completed an FRDC funded project identifying environmental risk factors for oyster production. Subprojects related to these include the mapping of acid-sulfate soils in South Sulawesi, social impacts of sustainable aquaculture models, trials of remediation methods for acidified shrimp ponds, capacity building and institutional strengthening in Indonesia, and land capability assessment for sustainable aquaculture throughout Southeast Asia. Jes recently gave a keynote address at the world aquaculture symposium in Beijing, China, and is currently developing new projects in Indonesia in the area of sustainable resource management.

Alongside its ARC Linkage Grant work with the NSW Department of Housing (involving **Phillip O'Neill**, **Pauline McGuirk** and **Kathy Mee**), the Centre for Urban and Regional Studies has been commissioned by four NSW government departments, operating under the Families First Initiative banner, to devise GIS models for the improvement of service delivery to 'at risk' families. The Centre has also been engaged by Port Stephens Shire Council to assist with assessing proposals for urban development in the sensitive Tilligerry Peninsula area.

Stuart Pearson and **Kate Hartig** (*Newcastle*) are again running an exciting fieldwork course called Outback Diversity in 2002. The course is attracting strong positive student evaluations and international students. Other course innovations are in the pipeline as the discipline rolls through another restructure.

Lucyna Gayler (*Newcastle*) is working on sediments from the Paroo and Warrego Systems to extract a palaeoenvironmental signal for the last 100000 years. Cores are in and processing underway! Stuart Pearson is working on midden-based reconstructions and using ecological models to quantify past environments in the Northern Territory during his sabbatical with CSIRO. Adam Blundell and Robert Gothard are working with Stuart on Powerful Owls and Vertebrate Pest Management respectively.

Robert Baker (*UNE*) has completed the first stage in his work on modelling global Internet transactions through different time zones and this is to be published simultaneously in a special edition of the international journal *Geojournal* and as a chapter in a forthcoming book published by Kluwer. His results have confirmed experimental studies undertaken by Microsoft Research in the USA on the geography of Internet localities in terms of web marketing and a novel corollary is a relationship defining how different daylight saving regimes across different Australian states could affect this targeted marketing.

Professor Katherine Gibson (*RSPAS, ANU*) has extended her research focus on community economies to the Asia Pacific region. She has been working with a Philippines based NGO that is organizing overseas contract workers to invest in community economic development in their home provinces. In collaboration with Gina Koczberski and George Curry (Curtin University) she is working on an action research project looking at the factors affecting smallholder productivity in the oil palm industry of PNG. She is also working on a forthcoming co-authored book on subjects, communities and post-capitalist politics.

Dr Deirdre Mckay (*RSPAS, ANU*) is researching the modification of agricultural landscapes in the Philippines under the influence of remittance flows from international migrant family members – particularly in the Cordillera region of the Northern Philippines and is currently working on monographs documenting this research.

The Land Management Group (*RSPAS, ANU*) is undertaking a consultancy for AusAID to write a series of books and to produce a major electronic bibliography of PNG agriculture. Members of the group have just published the *Papua New Guinea Rural Development Handbook* and are now working on a compendium of agricultural statistics for PNG. **Dr Bryant Allen** and **Dr Mike Bourke** are writing a monograph on food security issues in Papua New Guinea. **Mike Bourke** and Tom Betitis (PNG Oil Palm Research Association) are doing a study of the sustainability of land use and agriculture in Bougainville Province and will be undertaking fieldwork in September-October throughout the province.

In December 2001, a group of geographers and sociologists met in Canberra as part of an Australian Research Council-Academy of Social Sciences project called 'The Sustainability of Australian Rural Communities'. Using case studies from across Australia, this project is attempting to develop a conceptual framework for better understanding economic, social and environmental sustainability in rural Australia. The outputs from the project include two books. The first will be based on the case studies, while the second will further develop a range of concepts and themes relating to rural community sustainability. The project team includes: **Chris Cocklin** (Project Leader)(*Monash*), **Jacqui Dibden** (*Monash*), **Alan Black** (*ECU*), **Ian Gray** (*CSU*), **Margaret Alston** (*CSU*), **Lynda Herbert-Cheshire** (*UQ*), **Graeme Hugo** (*Adelaide*), **Geoffrey Lawrence** (*UQ*), **Peter Smailes** (*Adelaide*), **Jim Walmsley** (*UNE*), **Matthew Tonts** (*UWA*), **Richard Stayner** (*UNE*).

A group of geographers from UNE recently submitted a report to the Commonwealth Department of Transport and Regional Services on regional development best practice. It was entitled: *Telling the Coolah Story*. Team members included **Tony Sorensen**, **Jim Walmsley**, **Roger Epps**, and **Neil Argent**, alongside four other members of UNE's Rural Social Science Network.

POSTGRADUATE NEWS

Wendy Shaw (*now of UNSW*) was recently awarded her PhD from the University of Melbourne for her thesis: *Ways of Whiteness: Negotiating settlement agendas in (post)colonial inner Sydney*.

Scott Sharpe's PhD (*Macquarie*), entitled *A geography of the fold*, was recently awarded with the Vice-Chancellor's Commendation.

Louise Crabtree received \$4000 from Macquarie University for her PhD fieldwork, entitled 'Messy humans, dirty houses and leaky economies: citizenship, housing and sustainability'.

Vanda Rounsefell, Megan McCarthy, John Lothian, Ekawati Sri Wahyuni and Simon Neldner, all of the Department of Geographical and Environmental Studies at the University of Adelaide, were awarded their PhDs in the August and December ceremonies in 2001.

Justine Kemp was awarded a PhD at the Australian National University for her thesis *The hydrology, geomorphology and quaternary paleochannels of the Lachlan Valley, New South Wales*. Justine is now a postdoctoral scholar at the University of Stirling, studying flood history of rivers in the Scottish Highlands. The fellowship made up part of a grant for the funding of a Centre for Environmental History and Policy, involving historians and environmental scientists who study the environmental history of the last thousand years in Scotland.

Greg Crombie (*Curtin*) was recently awarded a PhD for his thesis *The Influence of Technological and Economic Change Upon the Social Organisation and Geographical Location of the Western Australian West Coast Fishing Industry Since 1950*.

Amanda Davies has commenced a PhD at the University of New England. Amanda's research is titled 'Shaping the countryside: The economic geographies of agricultural change in Australia'.

Ros James (*UNE*) is looking at the relationship between charcoal content, past fire history and Phosphorus content in sediment.

Megan Farrelly (*UWA*) was awarded a Land and Water Australia scholarship for her PhD research: 'Community catchment groups, land use change and environmental management systems'.

PUBLICATIONS

The University of the West Indies Press has published *Waterfalls of Jamaica: Sublime and Beautiful Objects*, by **Brian Hudson** (QUT). After examining the aesthetic appeal of Jamaican waterfalls and the ways in which they have been represented by writers, painters, photographers and others since the eighteenth century, the book discusses the economic development of the falls for power and tourism. While the book focuses on one Caribbean island, the study of the conflict between hydro-power development and the conservation of valued landscapes and the discussion of environmental problems associated with the touristic exploitation of scenic resources are relevant to other parts of the world, including Australia.

Gina Koczberski (Curtin), **George Curry** (Curtin) and Kathie Gibson (ANU) have recently had their report *Improving the Productivity of the Smallholder Oil Palm Sector in Papua New Guinea: a Socioeconomic Study of the Hoskins and Popondetta Schemes* published by the Research School of Pacific & Asian Studies, Australian National University (ISBN 0-9580165-0-X pp233 + xxvi. \$25).

Although written for an industry readership this report provides useful material for undergraduate courses in Development Studies, especially on rural development issues. Themes discussed in the report include the development of the oil palm industry in PNG (plantation estates, land settlement schemes and village oil palm development); smallholder livelihood strategies in the context of rising population pressure; land tenure issues including emerging tensions between settlers and customary landowners; and, industry initiatives to improve smallholder productivity and incomes (this includes an evaluation of a new payment system for women which has significantly improved their incomes and livelihood security. The report can be ordered from the Department of Human Geography, RSPAS, ANU, Canberra, ACT 0200.

The Institute for Regional Development at UWA has recently published *The South West: Three Decades of Development* by **Stewart Houghton** (UWA). The book examines the rapid economic, social, political and environmental changes occurring in the south-west of Western Australia. It is available for \$25 from the Institute for Regional Development. Tel: (08) 9380 8029; Email: liaison@ird.uwa.edu.au

Heritage Landscapes: Understanding Place and Communities, edited by Maria Cotter, **Bill Boyd** (SCU) and **Jane Gardiner** has been published by Southern Cross University Press (June 2001, ISBN 1 875855 44 0 480pp B5 PB, \$59).

This book represents the outcome of a cultural heritage conference held at Southern Cross University in November 1999. Contained here are more than 70% of the papers abstracted for the conference. They present the challenge and the opportunities for appreciating cultural heritage enabled through the use of the ideas embodied in landscape. They serve to highlight aspects of the personal, the

professional and the communal engagement with heritage, and the validity of landscape as a functional tool for the management of our cultural heritage resources. They guide us towards the recognition of both the diversity of heritage landscapes - and of the people who may or may not engage with such landscapes – as well as to the possibilities of their existence at various social and geographical scales. Finally they encourage us to accommodate these concepts in any exploration of our national identity.

Jenny Cameron (*Griffith*) and **Katherine Gibson** (*RSPAS, ANU*) recently published *Shifting Focus: Alternative Pathways for Communities and Economies, A Resource Kit* based upon their action research in the Latrobe Valley. The kit is published by Latrobe City and Monash University and is available free of charge in Pdf form at <http://www.latrobe.vic.gov.au/content.cfm?infopageid=43>.

Mike Bourke (*RSPAS, ANU*) was the scientific editor for the book *Food Security for Papua New Guinea*. This book was the proceedings of the PNG Food and Nutrition 2000 conference and was published by the Australian Centre for International Research.

Katherine Gibson (*RSPAS, ANU*) co-edited with Julie Graham, Stephen Resnick and Richard Wolff *Re/presenting Class: Essays in Postmodern Marxism* published by Duke University Press, 2001.

The Land Management Group (*RSPAS ANU*) has published the *Papua New Guinea Rural Development Handbook*. The handbook summarises information critical for development for the rural districts and provinces in PNG. Data on child malnutrition, cash income, access to services, pressure on land and crop productivity is used to rank rural districts from the most to the least disadvantaged.

The second issue of *Sustaining Regions*, edited by **Andrew Beer** (*Flinders*) is now available. The journal features an articles on economic change in Australia's regions, the changing structure of farm businesses, and leadership development in rural communities.

The electronic version of the Journal can be found at:
<http://www.ssn.flinders.edu.au/geog/anzrsai/index.html>

If you would like a hard copy please email: cecile.cutler@flinders.edu.au

The second edition of **Iain Hay's** (*Flinders*) successful book *Communicating in Geography and the Environmental Sciences*, has been released by Oxford University Press, Melbourne.

Bob Stimson (*UQ*) published two new books in late 2001: Jack Williams and Robert Stimson (eds), *International Urban Settings: Lessons of Success*, International Review of Comparative Public Policy Series, Vol. 12, Elseiver (JAI Press); and **Kevin O'Connor, Robert Stimson** and **Maurice Daly**, *Australia's Changing Economic Geography: A Society Dividing*, Meridian Series in Geography, Oxford University Press, Melbourne, pp. 233.

Bob Stimson, Scott Baum, and architect **Paul Memmott** from the School of Geography, Planning and Architecture (UQ) are three of the authors for the Human Settlements component of the *2001 Australia: State of the Environment Report*, undertaken by a team of researchers led by Dr Peter Newton from the CSIRO.

A second edition of **Graeme Aplin's** *Australians and Their Environment* (Oxford University Press) has just been published.

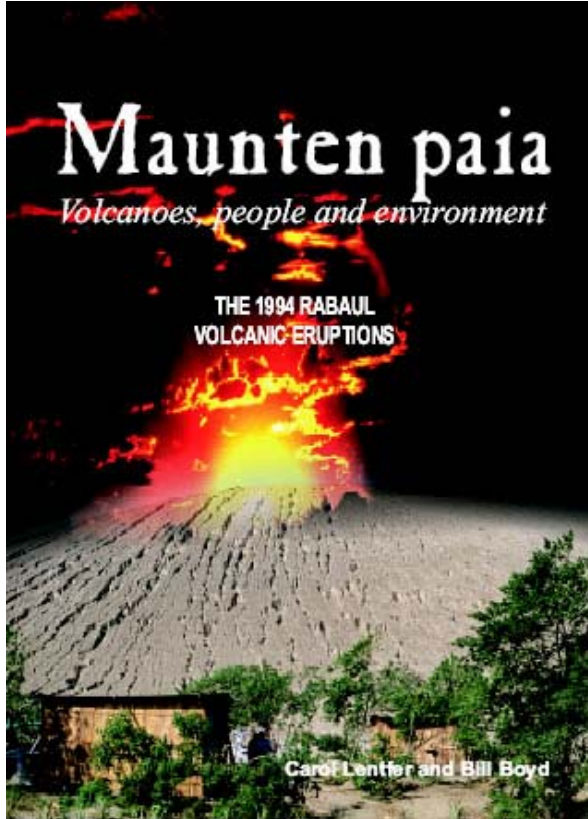
The Department of Geography has copies of a number of back issues of its monograph series *Geowest*. These can be ordered by contacting Elaine Waters, Department of Geography, UWA (email: ewaters@geog.uwa.edu.au; ph: 9380 2697; fax: 9380 1054). The costs are \$15 per copy in Australia; \$22 overseas including postage.

- No. 26 *Immigrants and Resource Development in the North West of Western Australia*, by D. S. Houghton (1991)
- No. 27 *Charles Darwin's Last Island: Terceira, Azores, 1836*, by P. H. Armstrong (1992)
- No. 28 *Towards Two Million: Western Australia's Changing Demographic Situation*, by D. S. Houghton (1998)
- No. 29 *Australia-Indonesian Maritime Space*, by J. Sambrook (1998)
- No. 30 *Land Qualities in the South-West of Western Australia: A Summary of Land Degradation and Land Capability*, by W. Runge and D. van Gool (1999)

Maunten Paia: Volcanoes, people and environment

By Carol Lentfer and Bill Boyd

Southern Cross University Press, 2002, B5, 85pp, ISBN 1 875855 54 8



The 1994 volcanic eruptions in Rabaul, PNG, caused environmental and social devastation to the Gazelle Peninsula. They now provide an ideal opportunity to study the immediate and longer-term effects of, and recovery from, such natural catastrophes on people and their environment.

The economic, social and cultural implications for people who experience sudden and complete upheaval are presented in this case study. *Maunten paia* examines the disruption to wildlife, vegetation, agriculture and settlement – and the subsequent human responses – of the Rabaul eruptions. It provides insight into social resilience to environmental change, and offers a framework for management planning of environmental crises.

Maunten paia is a celebration of social strength and human resilience in the face of environmental pressure, and is a tribute to the people of Rabaul.

Contents

- ❖ Background
- ❖ Setting and volcanic history
- ❖ The immediate effects on people and the environment
- ❖ The aftermath
- ❖ Recovery
- ❖ Observations and implications for the past and future

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Copies of volumes 20-34 are available at a single issue rate of \$12, or whole volume rate (2 issues per volume) of \$20 plus \$5 handling in Australia, \$10 overseas surface mail or \$20 overseas air mail. Payment can be made using Visa, Mastercard, Bankcard or cheque made payable to IAG Inc.

To receive back issues send the following form to Richie Howitt, Department of Human Geography, Macquarie University, NSW.

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