

Annual Research Report

1999

**Department of Economics
The University of Queensland
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Australia**

DEPARTMENT OF ECONOMICS

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ANNUAL RESEARCH REPORT 1999

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Head of Department's Report



This report provides a summary of research and related activities of staff in 1999.

The research output of the Department of Economics, once again, increased. Eight authored or edited books, fifty book chapters and eighty five refereed journal articles were published, making the Department one of the highest per capita producers of research output at the University of Queensland. Many non-refereed publications also appeared. Three academic journals were published in the Department: the *Australasian Journal of Regional Studies*, edited by John Mangan and Guy West, *Economic Analysis and Policy*, edited by Steve Harrison and *The International Journal of Aquaculture Economics and Management*, edited by Clem Tisdell. The Department

published four series of research papers. These are important for the early presentation of research findings prior to their publication and to convey such findings in a digestible form to the wider community. One monograph was also published in the Conference Monograph Series.

A major event was the International Workshop on Self-Organisation, Evolutionary Economics and Innovation: Theory, Modelling and Policy hosted by John Foster in conjunction with Stanley Metcalfe (Honorary Professor and Stanley Jevons Professor of Economics at the University of Manchester). Distinguished international experts were invited to participate in this landmark workshop thanks to the generous support of the Department of Industry, Science and Resources and Queensland Treasury. In addition, the Department's seminar programs and the workshop sessions organized by the study groups continued to flourish and attract many international, interstate and local speakers. Ten international visitors spent periods of varying length in the Department. This reflected the fact that international research collaboration is a high priority in the Department.

Seventy-five PhD students and four MEcon students were enrolled for the whole year. In addition, twelve PhD and two MEcon students graduated during the year. The new Master of International Economics and Finance Degree recorded strong enrolments in its first year on offer and promises to be a major attraction for postgraduate students in coming years. The Department continued to record one of the highest enrolments of postgraduate students in economics in Australia.

Professor John Foster
Head of Department

Departmental Mission Statement

MISSION

The mission of the Department of Economics within The University of Queensland is to extend, evaluate, preserve and transmit ideas and knowledge in Economics through teaching and research of the highest international standards for the particular benefit of Queensland and the good of the wider national and international community.

In striving to fulfil this mission, the Economics Department is dedicated to:

- the defence of intellectual freedom and the promotion of intellectual rigour;
- the achievement of excellence within liberal traditions of scholarship and independent thought;
- the maintenance of the highest intellectual and ethical standards in Economics;
- seeking to endow its students with the capacity to be lifelong learners capable of independent thought and critical judgment with an ethical sensitivity;
- graduating students who will become worthy leaders in their chosen profession and in society more generally;
- the provision of service to the wider community; and
- addressing critical economic and social issues through research and teaching.

GOALS

1. That the Economics Department confirm and enhance its standing as one of the leading economics departments not only in Australia, but also internally. The Economics Department is committed to providing instruction and opportunities for learning and research at a standard comparable with those of the world's best universities in a wide range of subjects in Economics.
2. That the Economics Department attract and retain the most intellectually able students wishing to study economics and provide improved educational opportunities for members of minority and disadvantaged groups.
3. That the Economics Department pursue excellence in all aspects of undergraduate and postgraduate teaching and learning and, where appropriate, in continuing community and professional education as well.
4. That the Economics Department achieve high international standards in research, scholarship and postgraduate education and training in economics and facilitate the communication, application and transfer of university research and scholarship for the benefit of the national and international community.
5. That the Economics Department manage effectively and efficiently all its human, financial and physical resources in order to facilitate the pursuit of excellence and equity in teaching, learning and research.

CONTEXT

With restructuring in the University in 1997, the Department of Economics became part of the new Faculty of Business, Economics and Law.

The Department of Economics is a large Department with over 70 persons employed, and a full-time equivalent staff exceeding 50. In terms of student numbers, it is one of the largest departments in The University of Queensland, and in Australia. It provides an excellent academic environment for the pursuit of scholarship at both undergraduate and postgraduate levels and in the field of research.

The Department aims to provide its graduates with an educational foundation that will stand the test of time, plus familiarity with the latest knowledge and techniques to serve as a springboard for career development – qualities reflected in an exceptionally low unemployment rate. Underpinning its teaching programs are the research activities which have earned the university a place among the top four of Australia's 40 universities, and have led to the establishment of a growing list of national research centres.

The Department is a major force in economics in Australia and will strengthen its positive role in promoting and improving the quality of the study of economics in Queensland.

Research Units and Research Groups

Research Centre, Units and selected Groups within the Department include:

RESEARCH CENTRES:

Centre for Economic Policy Modelling (CEPM)

(Co-ordinator: Professor John Mangan)

CEPM is a centre for academic and contract research. Its focus is the development and application of economic modelling techniques, particularly in the fields of policy analysis and economic forecasting. The Centre's research activities include consulting, contract research and long-term collaborative projects with government and industry. CEPM also offers a range of short modelling courses for the training of private and public sector policy professionals.

RESEARCH GROUPS:

Asian-Pacific Economic Studies Group

(Co-ordinator: Dr Joseph Chai)

This group was set up to promote and coordinate research within the School on issues relating to economies in the Asian-Pacific region. Its mission is to contribute to the understanding of the growing strength of these economies and related issues concerning the integration of the Australian economy within the Asia-Pacific economic arena.

Macroeconomics Marketing and Financial Economics Group

(Co-ordinator: Dr Tony Makin)

The mission of this research group is to explain the causes and consequences of fluctuations in economy-wide variables such as inflation, national income, the flow of funds, exchange rates, interest rates and unemployment in the context of growing international goods and capital market integration. The nature of the research encompasses theoretical and empirical approaches and aims to highlight implications of economy-wide behaviour for public policy, particularly budgetary, monetary, wages and regulation policies.

Emergent Complexity and Organization in Economics

(Co-ordinator: Professor John Foster)

This is a research group and workshop series within the School but with participation from other Schools that serves as a medium for discussion and dissemination of research on broad themes of open system dynamical processes, self-organisation, emergence and complexity as they relate to economic subject matter. The members of the group are involved in a range of activities from research into the philosophy and methodology of evolutionary and complex adaptive economic systems to theoretical and applied modelling of economic systems using computational and econometric methods. The group has a fortnightly workshop involving presenters from within and outside the School.

Economic Valuation Methodologies Study Group

(Co-ordinator: Associate Professor Richard Brown)

With the increasing interest in natural resource and environmental economics in recent years an increasing number of staff have become involved in research and post-graduate supervision in the area of economic valuation methodologies for non-marketed outputs of natural resources. This has become an important growth area in economics and there is a growing interest among government departments and agencies such as DNR and GBRMPA with whom some staff have already established working relationships. Recent developments in non-market valuation methods such as conjoint analysis and discrete choice modelling have taken this area in an increasingly, technically complex direction. The focus of this study group is on the development of the understanding of these methods. The group runs weekly seminars within the School.

Staff Members & Research Interests

The names of staff members for 1999 (as at November 1999) are listed below:

PROFESSORS

Harry F. Campbell, MA (St Andrews), PhD (Queens)

President elect of the International Institute of Fisheries Economics and Trade. Specialises in natural resource economics, public finance, microeconomic theory and applied econometrics. Current research interests include the allocation of fish stocks among competing gears, the sustainable exploitation of Western Pacific tuna stocks, and the cost of public funds in Australia. Professor Campbell is an Associate Fellow of the London Environmental Economics Centre, an elected member of the International Institute of Fisheries Economics and Trade Secretariat, former Associate Editor of *Marine Resource Economics* and a member of the editorial boards of the *Journal of Business Administration* and *Economic Analysis and Policy*. He has served on CSIRO's Fishery Division Advisory Committee and has extensive consultancy experience with a range of organisations in Australia and overseas.

John Foster, BA (Cov Poly), MA (Econ), PhD (Manc)

Head, Department of Economics

Life member of Clare Hall College, Cambridge and Distinguished Associate of the ESRC Centre for Research on Innovation and Competition, University of Manchester. Specialises in macroeconomics and its applications in monetary economics, labour economics and regional economics. Current research areas: the macroeconomy as a complex adaptive system; the application of self-organisation theory to statistical/econometric modelling in the presence of structural transition; the theory of competition and competition policy; legal and regulatory interactions with the process of economic evolution. He has served as a member of the following editorial boards: *Journal of Evolutionary Economics*, *Review of Political Economy*, *Scottish Journal of Political Economy*, *Economic Analysis and Policy*. He has served on the management boards of: the European Association for Evolutionary Economy (founder member); the Society for the Advancement of Socioeconomics (founder member); the International Schumpeter Society; the Association for Social and Political Economics (founder member). He is currently a member of the University of Queensland Academic Board and its Standing Committee. He has extensive consultancy experience with a range of organisations such as the European Commission, the National Australia Bank (UK) and the International Labour Organisation.

John E. Mangan, MEcon (Qld), DipEd(Qld), MA (Lancaster), PhD (Lancaster)

Specialises in labour economics, regional economics and industrial economics. He is a member of the editorial boards of the *International Journal of Manpower* and the *Australian Journal of Regional Studies* and the co-editor of the *Focus on Economics* series for Oxford University Press. A/Prof. Mangan was seconded to the Government Statistician's office of the Queensland Treasury for the period 1994-96.

Clement A. Tisdell, BCom (Econ)(NSW), PhD (ANU), FASSA
Head, Department of Economics 1989-1998

Honorary Professor, People's University of China. Specialises in applications of microeconomics to fields such as natural resource economics, managerial and decision economics, environmental (especially ecological) economics, social economics and development economics. Current research areas: economics of natural resource management, especially management of living resources and particularly marine resources; economics of tourism; optimally imperfect decisions and the economic consequences of imperfection; science and technology policy; economic development problems particularly in Asia and in small South Pacific states; aspects of defence economics. He has acted as consultant to bodies such as the Industries Commission, Australian Science and Technology Council, Department of Home Affairs and the Environment, Bureau of Agricultural Economics, GBRMP Authority, New Zealand Institute of Economic Research, IUCN, ILO, UNESCO, Australian Centre for International Agricultural Research, ANUTECH, OECD, and the National Centre for Development Studies (ANU). He is a Fellow of the Academy of Social Sciences in Australia, Deputy Director of School of Marine Science (U of Q), member of The University of Queensland Academic Board, and National Institute of Economics and Industrial Research. He is a member of the editorial boards of *Journal of Economic Surveys*, *International Journal of Social Economics*, *Journal of Defence Economics*, *Ecological Economics*, *Prometheus*, *Indian Journal of Quantitative Economics: An International Journal of Development Economics*, *Economic Administration*, *Journal of Sustainable Development*, plus others.

READERS (ASSOCIATE PROFESSORS)

George E. Docwra, MEd (Syd), DipEd (Syd), PhD (Qld)

Specialises in microeconomic policy, public enterprise economics, and transport economics. Research interests: Australian transport policy; government regulation of industry; cost-recovery in the transport sector; economic effects of cross-subsidisation policies of public authorities; electricity.

Darrel P. Doessel, BEcon (Qld), MEd (Qld), DipEd (Qld), PhD (Qld)
Postgraduate Seminar Co-Ordinator

Fields of interest: welfare economics, public finance and health economics. Current research: health insurance and Medicare, the market for general practitioner services and the medical workforce. He is a member of the Department of Human Services and Health Committee on Evaluation of General Practice.

Stephen R. Harrison, QDA (Qld Agr College), BAgSc (Qld), BEcon (Qld), PhD (Qld)

Specialises in natural resource and environmental economics, statistical methods and operations research. Current research interests include economics of forestry, recreation, water resources and energy, and animal health economics. He was Economic Adviser on the Commission of Inquiry into the Conservation, Management and Use of Fraser Island and the Great Sandy Region. He has acted as consultant to the International Rice Research Institute, GRM International, Wheat Research Council, Land and Water Resources Research and Development Corporation, Grains Research and Development Corporation, Indicative Planning Council of the Housing Industry, Queensland Department of Police and Emergency Services, Australian Centre for International Agricultural Research and Australian International Development Assistance Bureau.

Robert V. Jackson, BEc (Syd), PhD (Syd)

Main interests are in Australian and British economic history and demography. Currently working on economic inequality, wage structures, Australian living standards, and Bentham's writings on Australia.

Neil D. Karunaratne, BA (Ceyl), MA (Delhi), PhD (Sus), FIS (Lond), AMBIM

Specialises in international economics, macroeconomics, econometrics, development economics, input-output analysis, project evaluation. Current research interests: Australian macroeconomic policy issues; Australia's trade with Asia and Pacific economies; Pacific island economies; computable general equilibrium modelling (CGE), globalization issues.

Anthony J. Makin, BA (Qld), BEcon (Qld), MEc (ANU), PhD (ANU)

Specialises in open economy macroeconomics, macroeconomic policy and international monetary economics. Has served as a senior economist in the Federal Departments of Finance, Foreign Affairs and Trade, the Treasury, and Prime Minister and Cabinet. Current research interests: Capital and interest rate theory, the effectiveness of fiscal and monetary policy in the open economy, foreign investment, exchange rate and external account determination. He is a member of the editorial board of *Agenda*, has acted as a consultant to the Business Council of Australia and the Australian Competition and Consumer Commission, as well as serving as Australia's official representative at Pacific Economic Co-operation Council meetings on international finance issues.

Ghanshyam Mehta, BA(Bom) MA (Berkeley), PhD (Berkeley)

Specialises in economic theory; philosophy and history of economic thought.

Kartik C. Roy, MA (Econ)(Calc), MA (PolEc)(Calc), PhD (Gujarat), MEconSt (Qld), PhD Qld)

Specialises in economic theory, money banking and international finance, development planning, international trade and development economics, Australian economy, comparative economic systems and development, industrial relations, human resource development, environment and development, technological change and rural poverty, women's studies, Asian-Pacific economies, Sub-Saharan economies.

SENIOR LECTURERS

Mohammad Alauddin, MA (Rajshahi, Bangladesh), MEcon (Adel), PhD (Newcastle)

Specialises in applied microeconomics, trade and development. Current research interests: applications of quantitative techniques to industry and agriculture; applications of input-output analysis and social accounting matrix; Australia's foreign economic relations with countries of Asia and the Pacific; economics of environment and sustainable development; aquaculture economics.

Richard P.C. Brown, MCom (Natal), MA (East Anglia), PhD (Groningen)

Specialises in development economics, cost-benefit analysis, and international resource flows. Current research interests include international labour migration and remittance flows in the Asia-Pacific region, and evaluation of public and private sector irrigation projects in Queensland.

Joseph C.H. Chai, DipCom (New Asia Coll), Dipl Volkswirt (FU Berlin), Dr rer Pol (FU Berlin)

Interested in growth and development, trade and foreign direct investment, income distribution and transitional economies. Current research interests include reform of Chinese state-owned enterprises, China's modernisation experience, trade and foreign direct investment in Asia-Pacific region. He is currently the coordinator of Asian Pacific Economic Studies Group and a founding member of The Hong Kong Society of Asia Pacific 21.

L. Alan Duhs, BEcon (Qld), BA (Qld), MA (Sus)

Specialises in social economics, economic development and methodology of the social sciences. Current research interests: the Queensland economy; economic philosophy; applied microeconomics; institutional reforms in the tertiary education sector.

David J. Gow, BA (Syd), PhD (Hawaii)

Research and teaching interests in the areas of public policy analysis and evaluation research, electoral behaviour, research methodology, and quantitative methods and statistics. Seconded to the Centre of Public Administration 1998-2000.

Bruce Littleboy, BEcon (Qld), PhD (Qld)

Interested in macroeconomic theory and policy, especially modern re-evaluations of Keynesian economics and Keynes's political, economic and social philosophy. Other interests: philosophy and methodology of economics, history of macroeconomic theory, social economics.

Tom D. Mandeville, BScAg (Alberta), MEcon (NE), PhD (Qld)

Specialises in the economics of technological change and information, and regional economics. Current research interests: the nature of the innovative process, information and innovation, regional economic development, policy issues and implications of the new information technologies.

Paul C. Riethmuller, BAgrSc (Qld), MEcon (Qld), PhD (Minn)

Interests are applied microeconomics, specifically agricultural economics. Current research interests are Japanese agricultural policies, the Japanese distribution system, agricultural and food policy in ASEAN countries.

Jon D. Stanford, BEcon (Qld), PhD (Leic), ASIA

Specialises in monetary and financial economics and economic policy. Current research interests include economics of financial markets, prudential regulation of financial institutions, economic analysis of legal rules affecting financial institutions, optimal design of legislation to give effect to prudential regulation. He is an Executive Director and member of the Management Committee, of the Economic Society of Australia (Qld) Inc.; Business Manager and Member of the Editorial Board of the journal *Economic Analysis and Policy*; a member of the Editorial Board of *JASSA - The Journal of the Securities Institute of Australia* and Convenor - Special Interest Group - Economics, Australasian Evaluation Society. He was a member of the Independent Committee of Inquiry into Non-Bank Financial Institutions and Related Financial Processes in the State of Queensland and has appeared as Queensland Government advocate before the Prices Surveillance Authority.

Sam Strong, BAgEc (New England), MSc (Illinois), PhD (Illinois)

Research interests lie in a number of areas including the economics of agricultural issues, applied econometrics and time series applications. Recent work includes and econometric analysis of the Asian economic slowdown, applying Bayesian inference in a time series setting.

Guy R. West, BEcon (Qld), MEconSt (Qld), PhD (Qld)

Specialises in applied quantitative economics. Research interests include regional modelling, particularly in an integrated input-output-econometric framework. Currently Director of the Regional Urban Economics Research Unit, President of the Australian and New Zealand Regional Science Association International, and joint editor of *Australasian Journal of Regional Studies*.

LECTURERS

John Asafu-Adjaye, BSc (Ghana), MSc (Aston), PhD (Alberta)

Specialises in environmental and natural resource economics, quantitative methods, and applied general equilibrium modelling. Current research interests include nonmarket valuation of environmental resources, general equilibrium modelling, with particular emphasis on the incorporation of economy-environment linkages, and environmental accounting.

Rodney M. Beard, BA (Griff), Diplom-Volkswirt (Konstanz)

Current research interests include: optimal stocking in economic models of range management in uncertain environments using Ito stochastic control, numerical solution of stochastic differential equations, weak-sense or Girsanov control and stochastic differential games, the stochastic maximum principle and the theory of continuous-time econometrics, the application of the stochastic calculus of variations (Malliavin calculus) to economic problems. Mathematical economics, econometrics, operations research, agricultural economics, industrial organisation, renewable resources, rural reform in China and Mongolia, experimental economics and public economics are also areas of research interest.

Philip M. Bodman, B.A., M.A. (Essex), PhD (Queen's)

Specialises in macroeconomics, applied econometrics, international macroeconomics and labour economics. Current research interests include regional and international factor flows and convergence and agglomeration, sustainability of deficits, econometric modelling of GDP and unemployment and international influences on the Australian economy, trade, education, migration and economic growth, labour market contract duration, trade union membership, and the economics of crime.

H. Shelton Brown, BA (UNC Chapel Hill), MA (Johns Hopkins), PhD (Vanderbilt)

Research interests include: empirical and applied theory in the fields of health economics, urban economics, public finance and industrial organization. He has specialized in spatial aspects of public, private and nonprofit competition in the health care market. Additionally, he is currently considering how the prevalence of "managed care" insurance in a market affects nonprofit hospitals.

Kyle Bruce, BEc (Syd), MCom (Econ) (Wollongong)

Research interests include: industrial organisation, business economics/strategy and the theory of the firm; labour economics and labour history; institutional and evolutionary economics and strategic management; business and management history and education; scientific management and economics; the history, philosophy and sociology of scientific knowledge and the economics profession; the history of economic and management thought/ideas; and US, European, and Australian economic history.

Peter R. Burn, BEc (UNE), PhD (UNE)

On leave 1998/9. Specialises in business history, Australian economic history, microeconomic policy, institutional economics and the history of economic thought. Current research interests include the Australian mining sector and the links between the work of Joseph Schumpeter and Karl Marx.

Sukhan Jackson, BA (Malaya), GradCertEd (Hull), PhD (Griff)

Postgraduate Coursework Advisor

Specialises in the economy of China, labour economics and political economy. Current research interests: enterprise management and labour relations, and the public health sector in the People's Republic of China, and role of women in economic development. She has acted as special economic adviser to the World Health Organization on public health research in China.

Marc Poitras, BA (Mass - Dartmouth), MA (George Mason), PhD (George Mason)

On leave 99/1. Research interests include monetary economics, applied econometrics, economic efficiency and deregulation, consumer racial discrimination, and economics of education.

Jason Potts, BCom (Otago), BSc (Cantab), PhD (Lincoln)

Research interests include: history of economic thought; evolutionary microeconomics and multi-agent simulation modelling; complexity theory; the economics of technological and institutional change; Post-Keynesian monetary theory; the theory of expectations and learning; the theory of the firm; Post-Schumpeterian economics and algorithmic dynamics; the theory of networks and applications of graph theory; the connective and structural geometry of economic space. Research interests broadly align with all theoretical topics that address the phenomenon of economic evolution.

Eric Van Tassel, BA (Humboldt), MA (UC Riverside), PhD (UC Riverside)

Specialises in microeconomics and development economics. Research interests include applications in the microeconomics of incomplete information, applied game theory, topics in industrial organisation, and development economics with a focus on incomplete credit markets in the developing countries.

ASSOCIATE LECTURERS

Averil Cook, BSc (Syd), DipEd (Syd), MEconSt (Qld)

Currently teaching in the introductory quantitative, mathematical economics subject areas. Interested in economics education, econometrics, input-output.

Gareth Leeves, BSc(Econ) (Leics), MSc (Bath), PhD (UNSW)

Specialises in labour economics and applied econometrics. Research interests include the dynamics of labour market adjustment, the process of structural change and its effect on the labour market, the impact of labour market programs on unemployment.

Renuka Mahadevan, BSc (Nat Uni Singapore), DipEd (Inst Ed, Singapore), MEcon (ANU), PhD (ANU)

Specialises in productivity analysis. Research interests include applied econometrics in foreign direct investment and other growth strategies in the newly industrialising economies of East Asia.

Jacqueline Robinson, BA (UWA), DipEd (UWA), BEcon (Qld), MEconSt (Qld), PhD (Qld)

Specialises in applied natural resource management and evaluation of public sector investment projects utilising cost-benefit, input-output and multiple criteria analysis. Particular interests include the development of decision-support techniques to assist participatory decision-making.

CHIEF SCIENTIFIC OFFICER

Noel K.C. Fletcher, BEcon (Qld), DipInfmProcessing (Qld), MEconSt (Qld)

Academic Advisor (Undergraduate Students) in the Faculty of Business Economics & Law

Special interests: application of computers to problem solving; computer simulation; sample survey design; econometrics; tourism studies.

POSTDOCTORAL RESEARCH FELLOWS

Clevo Wilson, BA (Peradeniya), MPhil (Cambridge), MSc (Glasgow), PhD (St. Andrews)

Research interests are in environmental and development issues, agricultural pollution, health economics (especially health effects of pollution), eco tourism, marine and natural resource economics, and wildlife, forest, nature reserve and national parks valuation.

Dauyan Xue, BSc (Nanjing), MSc (Nanjing), PhD (Nanjing, China)

Research interest include: biodiversity conservation, protected area management, and nature conservation management in Australia and China.

HONORARY RESEARCH CONSULTANTS

Robert A. Cage, BS (Portland State), MA (Oregon), PhD (Glasgow)

Specialises in economic history. Main interests are in British working-class conditions, the development of welfare and public health in Britain and Australia.

Rodney C. Jensen, AEd (Qld), BEcon (Qld), MAgEc (NE), PhD (Qld)

Professor Emeritus, The University of Queensland.

Specialises in regional economics, urban economics, other applications of microeconomics, and is active in the general area of regional science. Research interests include the theory and application of input-output models, the nature of economic structure at the urban and regional levels, public finance aspects of local government, regional planning and growth, local economic development approaches and methods, and the methodology of regional science. Actively involved in consulting and advisory work in regional economic impact studies, regional and local economic development studies and policy.

A. George Kenwood, BA (Sheff), PhD (Lond)

Specialises in economic history and economic development. Current research interests: regional investment activity in Britain during the nineteenth century; the Queensland economy between the wars.

Shabbir Hussain, BSc (Punjab), MA (Stat) (Punjab), MA (Econ) (Punjab), PhD (JCU)

Research interests include: technology impact and human resource development strategies in Malaysia, Singapore and Brunei Darussalam, cross cultural technology transfer, and, technology and development in developing countries. Dr Hussain has held a number of consulting positions in Brunei Government Departments including the Departments of Agriculture, Fisheries, Industry and Tourism, and also the Ministries of Religion, Education, and Industry.

H.M. (Ted) Kolsen, BEc (Syd), PhD (Lond)

Professor Emeritus, The University of Queensland.

Specialises in applied microeconomics, especially in the transport and public enterprise areas. Current research interests include the economic regulation of industry; transport policy; impact of institutions and the constitutional environment on policy options. He was a member of the Transport Industries Advisory Council 1977-1984, was Specialist Advisor to the House of Representatives Committee on Expenditure for the Inquiry into the Australian National Railways Commission 1979-1982, was a member of the Inter-state Commission 1984-1986.

Alan L. Lougheed, BA (Qld), BCom (Qld), BEcon (Qld), PhD (Qld)

Research interests include all aspects of international economics; history of the international economy; Australian economic history; the historical development of technological knowledge; gold mining history; modern macro-economic policy.

Y. Rao Vadlamudi, BA (And), MA (Nag), DipAgStat (Iowa), PhD (Iowa)

Specialises in econometrics. Current research interests: demand and supply studies of selected products; agricultural production functions; international and development economics.

HONORARY PROFESSOR

J. Stan Metcalfe, BA(Econ) (Manchester) MSc (Manchester)

Appointed Honorary Professor in the Department of Economics for a five-year period commencing 1 July 1998.

Professor Metcalfe is currently the Stanley Jevons Professor of Political Economy and Cobden Lecturer in the Department of Economics, University of Manchester and is also the Director of the ESRC Centre for Research on Innovation and Competition. His current research activities are in the areas of evolutionary economics, industry economics, the study of technical change, the economics of science policy and the formulation of technology strategy.

ADJUNCT PROFESSORS

David J.S. Rutledge, BA (Syd), MS (Stanford), AM (Stanford), PhD (Stanford)

Appointed Adjunct Professor in the Department of Economics for a three-year period commencing 1 January 1997.

Dr Rutledge currently holds the position of Chief Executive, Queensland Sugar Corporation. Other appointments have been at Stanford University as Acting Assistant Professor; Macquarie University as Lecturer, Senior Lecturer and A/Professor in Economics; Vice President and Chief Economist at the Commodity Exchange Inc. (New York); Head, School of Economic and Finance, NSW Institute of Technology; Chief Executive, Sydney Futures Exchange; Executive Director, Macquarie Bank Ltd.; Executive Director, McCaughan Dyson Capel Cure Ltd.; Chief Executive, The Sugar Board, and as previously mentioned is currently Chief Executive, Queensland Sugar Corporation.

A. Mark Gray, BEcon (Hons) (Qld)

Appointed Adjunct Professor in the department of Economics for a three-year period commencing 1 January 1999.

Mr Gray is the Deputy Under Treasurer of the Queensland Treasury Department, a position which he has held since February 1995. In this role he has broad-ranging involvement in all issues affecting the portfolio. He has worked in Queensland Treasury for 14 years and previously worked as an agricultural economist in the Queensland Department of Primary Industries and as an economist with the Commonwealth Government in the Industries Assistance Commission and also the Australian Bureau of Statistics. He is a member of the Queensland Council of the Securities Institute of Australia and also of the Australian Institute of Company Directors.

TUTORIAL FELLOWS/ASSISTANTS

Appointed from our postgraduates on an annual basis.

LIBRARIANS - FACULTY SEMINAR LIBRARY

Tanya Ziebell, GradDipLibSci(QUT), BA

Fei Yu, GradDipLib(Can), MPhilTESOL(Chinese Uni of HK), BA (Beijing Lang Inst)

ADMINISTRATIVE STAFF

Rowena Lawson BSc, BA
Amy Lindley
Julie Waldon

DEPARTMENTAL SECRETARY

Margaret Cowan *(Secretary to Head of Department)*

SECRETARIAL STAFF

Marie Keynes *(Enquiries Office Supervisor)*
Merinda Andrews *(from 12/1999)*
Jeannine Fowler *(on leave from 08/1999 - 07/2000)*
Genevieve Larsen *(from 09/1999 - 07/2000)*
Lesley Owen-Jones
Jillian Sheridan *(until 11/1999)*

Staff Changes During 1999

There were a number of staff changes, additions, resignations and movements in 1999.

John Asafu-Adjaye	Promoted to Senior Lecturer from January 2000.
Phil Bodman	Promoted to Senior Lecturer from January 2000.
Shelton Brown	Appointed as Departmental Seminar Co-Ordinator for 2000.
Richard Brown	Promoted to Associate Professor from January 2000. Appointed as Departmental Marketing Co-ordinator.
Xue Dayuan	Accepted a two-year Postdoctoral Research Fellowship with the Department.
Mirko Draca	Appointed as Research Officer from March 1999 to March 2000, under the direction of John Foster, working in conjunction with John Mangan and Guy West.
Jeannine Fowler	(Research Secretary to Clem Tisdell) commenced her leave in August for approximately 11 months.
Mark Gray	Appointed as an Adjunct Professor for 3 years commencing January 1999.
Genevieve Larsen	Commenced as Research Secretary to Professor Clem Tisdell, replacing Janine Fowler who is on leave.
Gareth Leeves	Appointed as Associate Lecturer (Level A) from January 1999 to December 2003.
Amy Lindley	Appointed as Administrative Officer (External Liaison) from April 1999. Amy commenced work in the department as Research Typist for Clem Tisdell from August to December 1998 and thereafter worked in a temporary capacity until being appointed to the position of Administrative Officer.
Renuka Mahadevan	Appointed as Associate Lecturer (Level A) from April 1999 to December 2003.
John Mangan	Appointed as Professor (Level E) from January 1999 to December 2003.
Robyn McDonald	(Office Manager – Main Office) resigned from her position.
Colin Nicholson	Appointed as Casual Lecturer.
Marc Poitras	Resigned from his position as Lecturer from 2 nd semester.

Jason Potts Accepted a one-year appointment as Lecturer (Level B). Jason joined us from Lincoln University, New Zealand.

Paul Riethmuller Promoted to Associate Professor from January 2000.

Jackie Robinson Appointed as Associate Lecturer (Level A) from January 1999 to December 2003.

Sam Strong Commenced his one-year appointment as a Senior Lecturer (Level C).

KK Tang Accepted a Lecturer B position with the department, to commence in April.

Guy West Promoted to Associate Professor from January 2000.

Clevo Wilson Accepted a two-year Postdoctoral Research Fellowship with the Department from January 1999.

Dayuan Xue Accepted a two-year Postdoctoral Research Fellowship with the Department from December 1998 – December 2000.

SPECIAL STUDIES PROGRAM LEAVE (SSP) for 1999:

Bob Jackson	Semester 1
Mohammad Alauddin	Semester 2
Harry Campbell	Semester 2
Averil Cook	Semester 2
George Docwra	Semester 2

Visitors to the Department

The Department had a number of national and international visitors during 1999, some extending their stay from 1998. This listing does not include all short duration visitors.

Mr Hu Bojong

Ministry of Finance, PR China

Visiting Fellow, February – June 1999.

Professor Kurt Dopfer

University of St Gallen, Switzerland

July – August 1999.

Dr Andrew Dragun

Swedish University of Agricultural Sciences

Visiting Fellow, January – June 1999.

Professor Peter Earl

Lincoln University, New Zealand

Visiting Professor, July 1999 – January 2000.

Burkhardt Fleith

Evolutionary Economics Unit, Max-Planck-Institute for Research into Economic Systems, Germany

Visiting Fellow, May 1998-April 1999.

A/Professor Kristin Jakobssen

Department of Economics, Swedish University of Agricultural Sciences

Visiting Fellow, January – June 1999.

Dr Wan Jun

Jinan University, PR China

Visiting Fellow, April 1998 – March 1999.

Professor Toshihiro Kanao

Shimonoseki City University, Japan

Visiting Scholar, June – August 1999.

Professor Takashi Miyachi

Fukuyama University (has Agreement of Co-operation with UQ)

Visiting Professor, October 1999 – April 2000.

Mr Gao Shenqi

State Forestry Administration, PR China

Visiting Fellow, May – October 1999.

Departmental Seminar Program

1999 Departmental Seminar Convenor: Dr Darrel Doessel

<i>Speaker</i>	<i>Title</i>	<i>Date</i>
Dr Darrel Doessel <i>University of Queensland</i>	Industrial structure and price behaviour in medicine: Some empirical results for Australia	March 12
Mr Rodney Beard <i>University of Queensland</i>	From range wars to duels in the canefields: Some recent developments in the theory and application of stochastic differential games	March 19
A/Professor R Quentin Grafton <i>University of Ottawa, Canada</i>	Private property and economic efficiency: A case-study of a common-pool resource	April 8
Dr John Livernois <i>University of British Columbia</i>	Truth or consequences: Enforcing pollution standards with self reporting	April 16
Professor Tom Valentine <i>University of Western Sydney, Nepean</i>	The fundamental determinants of share prices	April 30
Dr Ross Guest <i>Griffith University</i>	Ageing, immigration and optimal saving in Australia	May 7
Dr Gareth Leeves <i>University of Queensland</i>	Sectoral dispersion and labour mobility in Australia	May 14
Dr Robert Breunig <i>Australian National University</i>	A game-theoretic explanation of the cash-out puzzle in the US food stamps program	May 21
Ms Ruth Stroppiana <i>University of Queensland</i>	An analysis of beef consumption in Japan using sub-national data	May 28
Dr Jim Butler <i>Australian National University</i>	Estimating elasticities of demand for private health insurance in Australia	August 6
Dr Clevo Wilson <i>University of Queensland</i>	Willingness to pay to avoid exposure to pesticides: Some empirical results and policy implications	August 13
Dr Eric Van Tassel <i>University of Queensland</i>	Signal jamming in low-income credit markets	August 20

Dr Paul Scuffham <i>Research Council of New Zealand</i>	Stochastic trends in traffic crashes	August 27
Professor Vani Borooah <i>University of Ulster</i>	Racial bias in police stops and searches: An economic analysis	September 3
Dr Shelton Brown <i>University of Queensland</i>	Public sector, non-profit and for-profit competition in an urban setting	September 10
Dr Deborah Cobb-Clark <i>Australian National University</i>	Coming out of the shadows: Learning about legal status and wages from the legalised population	September 17
Professor David F Hendry <i>Nuffield College, Oxford</i>	Computer automation of general-to-specific model selection	September 24
Dr Kam Ki Tang <i>Australian National University</i>	Property markets and policies in an intertemporal general equilibrium model	October 7 Special
Dr Kausik Chaudhuri <i>University of Sydney</i>	Random walk versus breaking trend in stock prices: Evidence from emerging markets	October 7 Special
Dr Peter McCawley <i>AusAID, Canberra</i>	Economic growth in Asia: A policy perspective	October 15
Professor Peter Earl <i>Lincoln University, New Zealand</i>	Managerialism and the theory of the firm	October 22
Professor Stan Hurn <i>Queensland University of Technology</i>	Estimating continuous-time models of the spot interest rate	October 29

Postgraduate Seminar Program

The Postgraduate Seminar Series is held for PhD and Research Masters candidates to present their research. An initial seminar is followed by a formal defence seminar for confirmation of PhD candidature.

1999 Postgraduate Seminar Co-ordinator: *Darrel Doessel*

An Ma	Agriculture progress and economic development in China	24 March
Grant Woollett	Investigation of structural change in the Australian economy (<i>defence seminar</i>)	31 March
Yapa Bandara	Trade liberalisation and the growth of the manufacturing sector in Sri Lanka	31 March
Marcus Brown	Economic of growth, diversification and merger in the Australian economy	21 April
John D'orchimont	Issues in Australian horticulture	28 April
Craig Windram	Implications of proposed greenhouse gas emission reduction targets on the Australian coal mining industry (<i>defence seminar</i>)	12 May
Jerome Bredt	The process of job creation and destruction in the Australian economy	12 May
Darrian Collins	Factors affecting Australian travellers' decisions to travel overseas rather than at home: An econometric analysis	19 May
Paul Simshauser	Generating capacity pricing policy and market distortions in the competitive electricity environment	19 May
Nirmal Saha	Socio-economic determinants and impacts of different forms of freshwater aquaculture in Bangladesh with particular reference to Tilapia (<i>defence seminar</i>)	26 May
Averil Cook	Economics of development of long-distance walking tracks in north Queensland	02 June
Arif Sikander	The significance of some major strategic technology management issues in the electronics manufacturing sector of Malaysia during the 10 years of its economics development (1986-95) (<i>defence seminar</i>)	16 June
Astrid Loon (MEcon)	The economic and social impact of implementing noise and air pollution controls at Amsterdam International airport	28 July

David Troedeson	The economics of plantation biodiversity	04 August
Lauchlan Mackinnon	Reflexivity (self-referentiality) in social and economic systems and its consequences for economic methodology and practice (<i>defence seminar</i>)	18 August
Ryan McAllister	Modelling deforestation in Lao (<i>defence seminar</i>)	01 September
Chris Nadarajah	Production functions in Australian professional team sport: The Australian football league (MEcon)	08 September
Stephen Duthy	Socio-economic evaluation of supervised cattle distribution under coconuts in the Philippines	15 September
Robert Tom	The economics of insolvency (<i>defence seminar</i>)	15 September
Paul Simshauser	Generating capacity pricing policy and market distortions in the competitive electricity environment (<i>defence seminar</i>)	13 October
Yapa Bandara	Trade liberalisation and the growth of the manufacturing sector in Sri Lanka (<i>defence seminar</i>)	13 October
Bernard Trendle	An econometric input-output model of regional Queensland	20 October
Kef Mekonnen	Sustainable use of Ethiopian Nile River headwaters	20 October
Mohammad Hossain	Growth and welfare consequences of trade liberalisation in Bangladesh: An econometric evaluation	20 October
Michael Cox	The economic and export potential of natural resource products from Queensland timber industries (<i>defence seminar</i>)	27 October
Jerome Breidt	The process of job creation and destruction in the Australian economy (<i>defence seminar</i>)	27 October

Seminars & Conference Presentations

The following should be regarded as a sample only of Conferences, Seminars and Workshops attended by staff and research candidates during 1999. Conferences and Symposia that were organised in some way by the Department are listed under *Public Relations & Community Interaction*.

Boyd Blackwell

- Presented paper 'Factors affecting beach visitation and site selection' and 'Beach conservation and development: Criticisms of present practices and recommendations for better management' at the Australian and New Zealand Society for Ecological Economics (ANZSEE) Conference at Griffith University, July.
- Attended the Sustainable Tourism Workshop, Cooperative Research Centre, Griffith University, July;
- Presented poster 'Economics of Coastal Foreshore and Beach Management' at the Tourism Outlook Conference, September.
- Presented paper 'The economic theory of clubs: An exploration into the economic nature of surf lifesaving?' at the PhD Conference in Economics and Business at the University of Western Australia, November.

Phil Bodman

- Presented paper 'Business cycles in Singapore and Canada' (joint research program with Mark Crosby - University of Melbourne) at the University of Singapore, November.

Richard Brown

- Presented paper (co-authored with K. Hooper – PhD candidate) 'Migration and the nontradables sectors: Evidence from Taiwan' at the Taipei International Conference on Labour Market Transition and Labor Migration in East Asia, Taiwan, June.
- Hosted an Economics Forum, in conjunction with the Economics Alumni Association (Tony Makin) and the Qld Economics Society, addressed by Professor John Taylor, at Customs House, October.

- Chaired the Staff and Student Public Forum, debating the topic of 'The macroeconomic implications of minimum wages and part-time employment' in Mayne Hall, UQ. Special guest speakers were professor John Taylor (Stanford University); Professor Bob Gregory (Australian National University) and John Mangan (Economics, UQ).
- Attended conference 'The Transformation of Australia's Population, 1970-2030', Demography Program, Australian National University, October.

Harry Campbell

- Presented paper 'Maximising the value of a transboundary resource: The western and central pacific tuna fisheries' at the Fisheries Conference on the Management of Straddling Fish Stocks and Highly Migratory Fish Stocks and the UN Agreement, at the Centre for Fisheries Economics, Bergen, Norway, May.

Joseph Chai

- Together with **Paul Riethmuller**, presented paper 'Comparative performance of western food processors in China's market' and 'Japan's large scale retail store law: A cause of concern for exporters' at the World Congress (organised by the International Food and Agribusiness Management Association) in Florence, Italy, June.
- Represented the Department at the IDP Australian Education Festival in Hong Kong, August

Averil Cook

- Presented papers 'Using benefit transfer methodology to estimate values for rainforest recreation' (co-authored with Steve Harrison) and 'The marketing of long-distance guided forest walks' (co-authored with R. Harrison & S.R. Harrison) at the Australian and New Zealand Society for Ecological Economics (ANZSEE) Conference held at Griffith University, July.

Alan Duhs

- Presented paper 'Exporting tertiary education services' at an APEC Conference at Macquarie University, June.

John Foster

- Presented paper 'The interaction of economic self-organisation and competitive processes: An orderly complex adaptive system or just unmanageable complexity' and keynote speaker at a workshop entitled 'Progress in the Study of Economic Evolution' at the University of Ancona, Italy, May.

Zhicun Gao (PhD candidate)

- Presented paper 'China's Technology Transfer and Industrial Development (1978-1996)' at the 11th International Conference of the Chinese Economic Studies of Australia: China in the World Economy in Melbourne, July.

Neil Karunaratne

- Attended the Econometric Society Conference and Meeting, Singapore, July.

Gareth Leeves

- Presented paper 'Job reallocation within Australian manufacturing industry' at the 28th Annual Conference of Economists' at La Trobe University, Melbourne, September.

Tony Makin

- Attended the Workshop of the Financial Markets Development Committee of the Pacific Economic Co-Operation Council, Sydney, April.

- Presented a seminar on global finance and public policy at the East-West Centre in Honolulu, Hawaii, July.
- Presented paper (co-authored with Dean Parham of the Productivity Commission) 'Australia's productivity performance' at the Pacific Economic Co-operation Meeting: Productivity in the Asia-Pacific Region, Osaka, Japan, September.
- Presented paper 'Interest rate parity: An extended loanable funds approach' at the 28th Annual Conference of Economists, La Trobe University, Melbourne, September.

Tom Mandeville

- Presented paper (co-authored with John Foster, David Anthony and Greg Hearn – QUT) 'The importance of time in the diffusion of information and communication technologies (ICTs): Some preliminary research findings' at the Communications Research Forum, Department of Communications, Information Technology of the Arts, Canberra, September.

Paul Riethmuller

- Presented poster paper on the role of vending machine in Japan's distribution system at the World Congress (organised by the International Food and Agribusiness Management Association) in Florence, Italy, June.
- Presented two papers (one co-authored with Ruth Stroppiana) at an FAO Workshop on the Asian Economic Crisis and the Livestock Industries.
- Presented paper 'Asian crisis and livestock' at the Food and Agriculture Organization (FAO) Conference, Bangkok, July.

Nirmal Saha (PhD candidate)

- Presented paper 'Socio-Economic aspects of pond fish aquaculture in Bangladesh' at the World Aquaculture '99 Conference, Sydney, April/May.

Clem Tisdell

- Organised and chaired a day session at the World Aquaculture '99 Conference, Sydney, April/May.

- Invited to chair the session 'Environmental Policy' at the annual conference of the Queensland Environmental Law Association at Noosa, July.

Clevo Wilson

- Presented paper entitled 'Pesticide avoidance: Results from a Sri Lankan study with health and environmental policy implications' at the Department of Primary Industries, Agricultural Economists, November.

Eric Van Tassel

- Attended the Western Economic Association Conference held in San Diego, July.

Dradjad Wibowo (PhD)

- Presented paper 'Deforestation, consumption and capital accumulation: Strategic implications for sustainable development' at the International Sustainable Development Research Conference, UK, March.

Dayuan Xue (Postdoctoral Fellow)

- Presented paper (co-authored with Clem Tisdell) 'Valuing ecological functions of biodiversity in Changbaishan Mountain Biosphere Reserve in Northeast China' at the Third Conference on the Protected Areas of East Asia, IUCN, at Seoul, Korea, September.

Publications by Staff & Students

The following Bibliographic Record for 1999 has been compiled according to the Department of Education, Training & Youth Affairs (DETYA) and The University of Queensland categories. The Department's five series of publications and conference monograph are listed separately. The names of Departmental staff and students* are capitalised.

Books

ALAUDDIN, M. & Hasan, S. 1999 '*Development, Governance and the Environment in South Asia: A Focus on Bangladesh*', MacMillan, Great Britain, 371pp.

Kueh, Y. Y., CHAI, J. & Fan, G. 1999 '*Industrial Reform and Macroeconomic Instability in China*', Clarendon Press, Oxford, NY, 325pp.

Tamaschke, R., DOCWRA, G. & Stillman, R. H. 1999 '*Economic impact of curbs on environmental emissions from various electricity generating technologies*', ESAA, Brisbane, 75pp.

DRAGUN, A. & TISDELL, C. 1999 '*Sustainable Agriculture and Environment: Globalisation and the Impact of Trade Liberalisation*', Edward Elgar Publishing, Cheltenham, UK, 308pp.

KENWOOD, A. G. & LOUGHEED, A. L. 1999 '*The Growth of the International Economy 1820-2000*', 4 edn, Routledge, London, 349pp.

Ghosh, R. N., Gabbay, R. & ROY, K. 1999 '*Sustaining Development: Human Resources, Gender and Environment*', Atlantic Publishers & Distributors, New Delhi, India, 288pp.

Lakshman, W. D. & TISDELL, C. 1999 '*Facets of Development of Sri Lanka Since Independence: Economics Conference Monograph No. 6*', 6 edn, The Univ. of Qld, Dept of Economics, Brisbane, 387pp.

TISDELL, C. 1999 '*Biodiversity, Conservation and Sustainable Development: Principles and Practices with Asian Examples*', Edward Elgar, Cheltenham, UK, 263pp.

Book Chapter

ALAUDDIN, M. & HAMID*, M. A. 1999 'Coastal aquaculture in South Asia: Experiences and lessons', in *Development, Governance and the Environment in South Asia: A Focus on Bangladesh*, eds M. Alauddin & S. Hasan, MacMillan, Great Britain, pp.289-299.

ALAUDDIN, M. & HAMID*, M. A. 1999 'Shrimp culture in Bangladesh with emphasis on social and economic aspects', in *Towards Sustainable Shrimp Culture in Thailand and the Region*, eds P.T. Smith, ACIAR, Canberra, pp.53-62.

ALAUDDIN, M. & Hasan, S. 1999 'Development-governance-environment nexus: Views, perspectives and issues', in *Development, Governance and the Environment in South Asia*, eds M. Alauddin & S. Hasan, MacMillan, Great Britain, pp.1-16.

ALAUDDIN, M. 1999 'South Asia's experiences, challenges and prospects in global context', in *Development, Governance and the Environment in South Asia*, eds M. Alauddin & S. Hasan, MacMillan, Great Britain, pp.315-331.

ALAUDDIN, M. 1999 'Trade among South Asian nations: Experiences and prospects', in *Development, Governance and the Environment in South Asia*, eds M. Alauddin & S. Hasan, MacMillan Press, Great Britain, pp.117-139.

ASAFU-ADJAYE, J. 1999 'Integrating environmental considerations into economic decision-making processes: Minerals sector in Papua New Guinea', in *Integrating Environmental Considerations into Economic Policy*

Making Processes, eds Not edited. UN Publications, New York, pp.139-191.

ASAFU-ADJAYE, J. 1999 'The environment and development: Theory and empirical evidence', in *The Current State of Economic Science - Volume 5*, eds S.B. Dahiya, Spellbound Publications, Rohtak, India, pp.2809-2826.

Duraman, H. I. & ASAFU-ADJAYE, J. 1999 'Short-run simulations with a CGE model of Brunei Darussalam', in *Readings on the Economy of Brunei Darussalam*, eds J. Obben & T.S. Ee, Universiti Brunei Darussalam, Brunei, pp.72-99.

CHAI, J. & TISDELL, C. 1999 'Hardening the budget constraint to control inflation under the two-track system', in *Industrial Reform and Macroeconomic Instability in China*, eds Y.Y. Kueh, J.C.H. Chai & G. Fan, Clarendon Press, Oxford, NY, pp.232-246.

CHAI, J., Fan, G. & Kueh, Y. Y. 1999 'The nature and scope of the survey data', in *Industrial Reform and Macroeconomic Instability in China*, eds Y.Y. Keuh, J.C.H. Chai & G. Fan, Clarendon Press, Oxford, UK, pp.20-28.

DOESSEL, D. 1999 'Price behaviour within segments of the medical profession in Australia', in *Information and Organisation: A Tribute to the Work of Don Lamberton*, eds S. McDonald & J. Nightingale, Elsevier Science BV, The Netherlands, pp.305-323.

DRAGUN, A. & TISDELL, C. 1999 'Globalisation, agriculture and environment: New directions for research', in *Sustainable Agriculture and Environment*, eds A. Dragun & C. Tisdell, Edward Elgar, Cheltenham, UK, pp.297-304.

DRAGUN, A. 1999 'Trade liberalisation agriculture and sustainability', in *Sustainable Agriculture and Environment*, eds A.K. Dragun & C. Tisdell, Edward Elgar, Cheltenham, UK, pp.7-21.

FOSTER, J. 1999 'The rise of unemployment and working poverty: An evolutionary macroeconomics perspective',

in *Growth, Employment and Inflation*, eds M. Setterfield, MacMillan, London, pp.195-210.

HAMID, M. A. & Frank, B. 1999 'Ecotourism under multiple-use management of the Sundarbans mangrove forest in Bangladesh: Issues and options', in *Development, governance and the environment in South Asia. A focus on Bangladesh*, eds M. Alauddin & S. Hasan, McMillan Press, London, pp.279-287.

HARRISON, S. & Cameron, A. R. 1999 'Sampling considerations for active surveillance of livestock diseases in developing countries', in *Understanding Animal Health: In Southeast Asia*, eds P. Sharma & C. Baldock, ACIAR, Canberra, pp.127-154.

HARRISON, S. & Sharma, P. 1999 'Interfacing GIS with economic models for managing livestock health', in *Understanding Animal Health: In Southeast Asia*, eds P. Sharma & C. Baldock, ACIAR, Canberra, pp.223-239.

HARRISON, S. 1999 'Progress in estimation of intractable non-market values', in *The Current State of Economic Science - Volume 5*, 5 edn, eds S.B. Dahiya, Spellbound, Rohtak, India, pp.2719-2737.

HARRISON, S., TISDELL, C. & Ramsay, G. 1999 'Economic issues in animal health programs', in *Understanding Animal Health: In Southeast Asia*, eds P. Sharma & C. Baldock, ACIAR, Canberra, pp.57-71.

HUNN, C. & MANGAN, J. 1999 'Estimating the economic impact of tourism at the local, regional and State or Territory level, including consideration of the multiplier effect', in *Valuing Tourism: Methods and Techniques - Occasional Paper No. 28*, eds K. Corcoran, A. Allcock, T. Frost & L. Johnson, Bureau of Tourism Res., Canberra, pp.13-22.

*JAHAN, N. & ALAUDDIN, M. 1999 'Women and the environment with special reference to rural Bangladesh', in *Development, Governance and the Environment in South Asia: A Focus on*

Bangladesh, eds M. Alauddin & S. Hasan, MacMillan, Great Britain, pp.301-313.

*JAHAN, N., ALAUDDIN, M. & TISDELL, C. 1999 'Structural reforms in Bangladesh: Their impact on efficiency in resource use, equity and the rural environment', in *Economic Liberalisation in South Asia*, eds R. Shand, MacMillan India, New Delhi, India, pp.436-464.

Gibbon, D. & JAKOBSEN, K. 1999 'Towards sustainable agricultural systems', in *Sustainable Agriculture and Environment*, eds A.K. Dragun & C. Tisdell, Edward Elgar, Cheltenham, UK, pp.101-124.

KARUNARATNE, N. 1999 'Globalisation and macroeconomic volatility', in *Information and Organisation: A Tribute to the Work of Don Lamberton*, eds S. McDonald & J. Nightingale, Elsevier Science BV, Amsterdam, The Netherlands, pp.487-509.

MAKIN, A. 1999 'The economy', in *Institutions in Australian Society*, 2nd edn, eds J. Henningham, Oxford Univ. Press, South Melbourne, pp.90-109.

MANDEVILLE, T. 1999 'An information economics perspective on innovation', in *Intellectual Property: The International Library of Essays in Law & Legal Theory*, 2nd edn, eds P. Drahos, Dartmouth, Aldershot, England, pp.357-364.

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RAMSAY, G., TISDELL, C. & HARRISON, S. 1999 'Distribution of benefits from improved animal health', in *Understanding Animal Health: In Southeast Asia*, eds P. Sharma & C. Baldock, ACIAR, Canberra, pp.241-259.

RIETHMULLER, P. & STROPPIANA, R. 1999 'Factors affecting food demand in Indonesia, Thailand and the Philippines', in *Proceedings on the Workshop of the Implications of the Asian Economic Crisis for the Livestock Industry*, eds Unedited, Food and Agriculture Organization, Thailand, pp.91-119.

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ROBINSON, J., Bellamy, J. & McDonald, G. 1999 'Economic evaluation of the Herbert River integrated catchment management organisation', in *Evaluation of Integrated Catchment Management in a Wet Tropical Environment: Collected Papers of LWRDC R&D Project CTC7-Volume 6*, eds J.A. Bellamy, CSIRO Tropical Agriculture, Indooroopilly, Brisbane, pp.27-83.

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- TISDELL, C. & DRAGUN, A. 1999 'Agriculture and sustainability: The impact of trade liberalisation', in *Sustainable Agriculture and Environment*, eds A. Dragun & C. Tisdell, Edward Elgar, Cheltenham, UK, pp.1-6.
- TISDELL, C. 1998 'Foreword', in *Pacific Development Sustained Policy for Pacific Environments*, eds M. Tait, Asia Pacific Press, Canberra, pp.ix-x.
- TISDELL, C. 1999 'Asia's livestock industries: Changes and environmental consequences', in *Sustainable Agriculture and Environment*, eds A. Dragun & C. Tisdell, Edward Elgar, Cheltenham, UK, pp.201-212.
- TISDELL, C. 1999 'Brunei's quest for sustainable development: Diversification and other strategies', in *Readings on the Economy of Brunei Darussalam*, eds J. Obben & T.S. Ee, Universiti Brunei Darussalam, Brunei, pp.199-225.
- TISDELL, C. 1999 'Co-evolution in Asia: Markets and globalisation', in *Sustainable Agriculture and Environment*, eds A. Dragun & C. Tisdell, Edward Elgar, Cheltenham, UK, pp.171-184.
- TISDELL, C. 1999 'Conditions for sustainable development: Weak and strong', in *Sustainable Agriculture and Environment*, eds A. Dragun & C. Tisdell, Edward Elgar, Cheltenham, UK, pp.23-36.
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- TISDELL, C. 1999 'Economics, aspects of ecology and sustainable agricultural production', in *Sustainable Agriculture and Environment*, eds A. Dragun & C. Tisdell, Edward Elgar, Cheltenham, UK, pp.37-55.
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- Eritrean Highlands', in *Journal of Agricultural Economics*, 50 (3), pp.589-605.
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Grants for Research Operating in 1999

Details of staff and research grants operating in 1999.

Investigator(s)	Grant Details	
Boyd Blackwell (PhD Candidate)	<i>Project Title:</i>	The economics of coastal foreshore and beach management.
	<i>Period of Grant:</i>	1999
	<i>Amount of Grant:</i>	\$6,000
	<i>Granting Body:</i>	CRC for Sustainable Tourism.
Richard Brown & Anna Straton (Honours)	<i>Project Title:</i>	Assessing the applicability of choice modelling to the management of the Great Barrier Reef Marine Park.
	<i>Period of Grant:</i>	1999
	<i>Amount of Grant:</i>	\$1,000
	<i>Granting Body:</i>	CRC Reef Research Centre Grant.
Richard Brown & Anna Straton (Honours)	<i>Project Title:</i>	Choice modelling as it applies to forest planning and sustainable use.
	<i>Period of Grant:</i>	1999
	<i>Amount of Grant:</i>	\$3,000
	<i>Granting Body:</i>	Department of Natural Resources (Forestry).
Shelton Brown	<i>Project Title:</i>	An Agenda in Urban and Health Economics.
	<i>Period of Grant:</i>	June 1999 – December 1999
	<i>Amount of Grant:</i>	\$10,000
	<i>Granting Body:</i>	UQ New Staff Research Start-up Fund
Kyle Bruce	<i>Project Title:</i>	The Co-evolution of the disciplines of economics and management 1885-1915.
	<i>Period of Grant:</i>	June 1999 – December 1999
	<i>Amount of Grant:</i>	\$8,000
	<i>Granting Body:</i>	UQ New Staff Research Start-up Fund
Averil Cook	<i>Project Title:</i>	CRC Tropical Rainforest Research
	<i>Period of Grant:</i>	1999
	<i>Amount of Grant:</i>	\$2,500
	<i>Granting Body:</i>	Rainforest CRC Research Support Scheme

Investigator(s)	Grant Details	
George Docwra & Rick Tamaschke (GSM)	<i>Project Title:</i>	Greenhouse Gas Emission Control in a Competitive Market: An Evaluation of Alternative Investment Scenarios in Electricity Generation Beyond 2000
	<i>Period of Grant:</i>	1999 - 2001
	<i>Amount of Grant:</i>	\$38,000 pa (50/50 split)
	<i>Granting Body:</i>	ARC SPIRT Grant
John Foster, Guy West and John Mangan	<i>Project Title:</i>	Collaborative arrangements for the construction of a multi-regional/multi-industry IOE model
	<i>Period of Grant:</i>	1999-2001
	<i>Amount of Grant:</i>	\$200,000
	<i>Granting Body:</i>	Queensland Treasury
Steve Harrison	<i>Project Title:</i>	Socio-economic evaluation of supervised cattle distribution under coconuts in the Philippines
	<i>Period of Grant:</i>	1999 – Jan 2000
	<i>Amount of Grant:</i>	\$47,319
	<i>Granting Body:</i>	Australian Centre – International Agricultural Research (ACIAR)
Gareth Leeves	<i>Project Title:</i>	To investigate the impact of active labour market programs on duration specific unemployment outflows in Australia
	<i>Period of Grant:</i>	June 1999 – December 1999
	<i>Amount of Grant:</i>	\$7,639.00
	<i>Granting Body:</i>	UQ New Staff Research Start-up Fund
Albert Mafusire (PhD Candidate)	<i>Project Title:</i>	PhD Research Travel.
	<i>Period of Grant:</i>	1999
	<i>Amount of Grant:</i>	\$5,000
	<i>Granting Body:</i>	The University of Queensland, Graduate School Research Travel Grant.
Renuka Mahadevan	<i>Project Title:</i>	Lessons from Singapore and Hong Kong for Malaysia: The next Asian NIE?
	<i>Period Grant:</i>	September 1999 – December 1999
	<i>Amount of Grant:</i>	\$10,000
	<i>Granting Body:</i>	UQ New Staff Research Start-up Fund

Investigator(s)	Grant Details	
Tony Makin & Neil Karunaratne	<i>Project Title:</i> <i>Period of Grant:</i> <i>Amount of Grant:</i> <i>Granting Body:</i>	Fiscal policy and exchange rate behaviour December 1999 \$11,792 ARC Small Grant
Ryan McAllister (PhD Candidate)	<i>Project Title:</i> <i>Period of Grant:</i> <i>Amount of Grant:</i> <i>Granting Body:</i>	PhD Research Travel. 1999 \$5,000 The University of Queensland, Graduate School Research Travel Grant.
Jackie Robinson	<i>Project Title:</i> <i>Period of Grant:</i> <i>Amount of Grant:</i> <i>Granting Body:</i>	Evaluation of the outcomes from the implementation of a multiple objective decision support system June 1999 – December 1999 \$8,000.00 UQ New Staff Research Start-Up Fund
Jackie Robinson	<i>Project Title:</i> <i>Period of Grant:</i> <i>Amount of Grant:</i> <i>Granting Body:</i>	Evaluation of the outcomes from the implementation of a multiple objective decision support system. December 1999 – May 2000 \$5,000 Sugar Research & Development Corporation
Jungho Suh (PhD Candidate)	<i>Project Title:</i> <i>Period of Grant:</i> <i>Amount of Grant:</i> <i>Granting Body:</i>	PhD Research Travel. 1999 \$5,000 The University of Queensland, Graduate School Research Travel Grant.
Clem Tisdell & Joseph Chai	<i>Project Title:</i> <i>Period of Grant:</i> <i>Amount of Grant:</i> <i>Granting Body:</i>	Globalisation, Trade and Sustainable Development: Implications for China and WTO. July 1999 - June 2000 \$74,675 IDP Education Australia Limited

Investigator(s)	Grant Details	
Clem Tisdell, Kartik Roy and Steve Harrison	<i>Project Title:</i>	Asset poor women in development: Institutional impediments and lack of social dynamics; Evidence from rural India.
	<i>Period of Grant:</i>	1999
	<i>Amount of Grant:</i>	\$25,155
	<i>Granting Body:</i>	ARC/DETYA Large Research Grant
Eric Van Tassel	<i>Project Title:</i>	An inquiry into reputations and signal jamming under incomplete information.
	<i>Period of Grant:</i>	June 1999 – December 1999
	<i>Amount of Grant:</i>	\$10,000
	<i>Granting Body:</i>	UQ New Staff Research Start-Up Fund
Dayuan Xue	<i>Project Title:</i>	A comparison study on economic policy of protected area management and tourism development among Australia; Canada and China (travel only).
	<i>Period of Grant:</i>	1999
	<i>Amount of Grant:</i>	\$3,000
	<i>Granting Body:</i>	CRC for Sustainable Tourism
Dayuan Xue	<i>Project Title:</i>	A comparative study on economic policies for nature conservation management in Australia and China
	<i>Period of Grant:</i>	September 1999 – December 1999
	<i>Amount of Grant:</i>	\$9,900
	<i>Granting Body:</i>	UQ New Staff Research Start-Up Fund

* Funds not administered by the Department of Economics.

Research Students: Scholarships

Postgraduate students who held an Award/Scholarship in 1999:

David Anthony	UQ Supplementary Award
John Robertson	CRC Scholarship
Boyd Blackwell	CRC Scholarship UQ Postgraduate Research Scholarship (PhD)
Willie Chan	Australian Postgraduate Award
Stephen Duthy	Australian Postgraduate Award
Janet Dzator	UQ Supplementary Award
Rhys Evenden	Australian Postgraduate Award
Mohammad Hossain	UQ International Postgraduate Research Scholarship
Lauchlan Mackinnon	Australian Postgraduate Award
Kathleen O'Connor	UQ Postgraduate Research Scholarship
Gene Tunny	Australian Postgraduate Award
Grant Woollett	Australian Postgraduate Award
Yakub Abu Baker	Vice Chancellor Scholarship
Fritz De Vroet	UQ Graduate School Award

In addition to those mentioned above, there were approximately half a dozen research candidates with Sponsorship undertaking the MEcon and PhD degrees. Of those candidates, four had individual sponsorship/scholarship and two held AusAID awards, and a number of postgraduate coursework students also held sponsored scholarships in 1999.

Research Candidates

RESEARCH THESES IN PROGRESS OR SUBMITTED DURING 1999

(in alphabetical order of student)

The Department had 80 candidates undertaking higher degree research during 1999 consisting of 75 PhDs and 5 MEcon (Research) candidates. By December 1999, 14 additional candidates were awarded degrees (see page 52 for details).

<i>Student</i> (<i>Supervisor</i>)	<i>Topic</i>	<i>Degree</i>
Mr Yakub Abu Bakar (Mandeville & Hussain (Uni Brunei))	Impact of technology on human resource development strategy with special reference to Brunei	PhD (remote)
Mr Frank Agbola (Harrison, Campbell & Longmire (USQ))	Econometric analysis of supply response in the Australian wool industry under changing policies <i>(submitted)</i>	PhD (remote)
Mr Stephen Allen (Mangan)	Kant, Heidegger, and modern economic thought: A critical analysis of the philosophical origins of neoclassical economics and four alternative schools of modern economic thought <i>(submitted)</i>	PhD (remote)
Mr David Anthony (Foster & Mandeville)	The diffusion of communication technology and socio-economic evolution: A self organization approach	PhD
Mr Aung-Kyaw-Zaw (<i>Tropical Health 60%</i> & Jackson, S.)	Cost-effectiveness of parasite-F rapid manual diagnostic test for the diagnosis of falciparum malaria against conventional microscopy along with primary health care approach in Myanmar	PhD (remote)
Mr Ian Austin (<i>Government 60%</i> & Chai)	The state and economic development: A comparative analysis of the state and financial institutions in East Asia <i>(submitted)</i>	PhD
Mr Yapa Bandara (Karunaratne & Mangan)	Trade liberalisation and the growth of the manufacturing sector in Sri Lanka	PhD
Mrs Saswati Basu (Roy & Tisdell)	Non government organisations in economic development of women in developing countries - a case study of Calcutta based NGO's	MEcon
Mr Boyd Blackwell (Tisdell, Asafu-Adjaye & Harrison)	The economics of the provision of beach services	PhD

Mr Shekar Bose (Campbell, Bodman & McIlgorm (Australian Maritime College))	The behaviour of prices in Sydney fish market: An empirical analysis	PhD (remote)
Mr Jerome Bredt (Mangan & Mandeville)	The process of job creation and destruction in the Australian economy	PhD
Mr Maxwell Briggs (Mandeville & Jensen)	The Multifunction Polis and regional economic development	PhD
Mr Marcus Brown (Mangan & Foster)	The economics of growth, diversification and merger in the Australian economy	PhD
Ms Kay Bryant (Harrison & Roy)	Agricultural loan evaluation systems <i>(submitted)</i>	PhD
Mr Iketut Budastra (<i>Natural & Rural Systems Management - 85%</i> & van Tassel)	A study on rural credit management in rural Lombok, Indonesia	PhD
Mr Gardjita Budi (<i>Natural & Rural Systems Management - 60%</i> & Harrison)	The economics of agricultural land use in upland areas of east Java <i>(submitted)</i>	PhD
Mr W. (Bill) Chan (Mehta)	Revealed preference and nonparametric estimation of consumer demand	PhD
Ms Darian Collins (Tisdell & Karunaratne)	Factors affecting an Australian travellers' decision to travel overseas	PhD
Mr Luke Connelly (Doessel)	The spatial and temporal distribution of general practitioner services in private fee-for-service and public medical practice	PhD
Mrs Averil Cook (Harrison & Asafu-Adjaye)	Economics of development of long-distance walking tracks in North Queensland	PhD
Mr Michael Cox (Harrison & Quayle (QUT))	The economic and export potential of natural resource products from Queensland timber industries	PhD
Mr John Darlington (Brown & Asafu-Adjaye)	Estimation of drought effects within the cost benefit analysis framework <i>(submitted)</i>	MEcon
Mr Rex Davis (Tisdell & Harrison)	An economic evaluation of the cattle tick <i>Boophilus Microplus</i> in Queensland and of alternative strategies for its control	PhD
Mr Alex De La Flor (Riha)	A hundred years of income taxation in Australia	PhD

Mr Fritz De Vroet (<i>Management - 80% & Chai</i>)	Strategic management in Asian companies	PhD
Mr Michael Drew (Stanford & Makin)	The economics of funds management	PhD
Mr Chandra Dulare (Roy & Karunaratne)	A general equilibrium macroeconomic model for Fiji: A small semi-open economy with nominal exchange rate anchor	PhD
Mr Stephen Duthy (Harrison & Davis (SCU))	Socio-economic evaluation of supervised cattle distribution in the Philippines	PhD (remote)
Ms Janet Dzator (Asafu-Adjaye & Doessel)	The economics of health care delivery in Ghana with particular reference to malaria	PhD
Mr Glynn Edwards (Tisdell & Alauddin)	The economics of imprisonment and offender supervision in Queensland: Costs and efficiency in the provision of corrective services <i>(submitted)</i>	PhD
Mr Jean-Claude Eono (Harrison, Roy & Herbohn (JCU))	The economics of world heritage listed areas	PhD
Mr Rhys Evenden (Docwra & Mangan)	Privatisation, deregulation and the conduct of incumbent firms	PhD
Mr Zhicun Gao (Tisdell & Chai)	Industrialization and foreign trade strategies in China's economic development	PhD
Mr Akhter Hamid (Alauddin & <i>Agriculture 50%</i>)	Integration of agriculture and aquaculture in farming systems of Bangladesh: Economic, social and environmental perspectives	PhD
Ms Karen Hooper (Brown, R. & Foster)	The non-traded goods sector, international migration and competitiveness	PhD
Mr Yoshitaka Hosoi (Asafu-Adjaye & Yokoyama)	The impact of a large scale mine development on the national economy of Fiji	PhD (remote)
Mr Mohammad Hossain (Karunaratne & Alauddin)	Growth and welfare consequences of trade liberalisation in Bangladesh: An econometric evaluation	PhD
Mr Geoffrey Howie (Jackson, S. & Makin)	The operation and role of security exchanges in Honk Kong, Shenzhaen and Shanghai in the developing Chinese market economy	PhD
Mr Chris Hunn (Mangan & Campbell)	Valuing special events <i>(submitted)</i>	PhD

Mr Faridul Huq (Alauddin, Mangan & Kalirajan (UNE))	Industrial development in Bangladesh - the case of ready made garments industry	PhD (remote)
Mr M. (Handry) Imansyah (West & Jensen)	Impact analysis for small regions in developing countries: A case study of an application of input-output analysis for small regions in Indonesia	PhD
Mr John Johnston (Foster & Mangan)	Job reallocation and long term unemployment in Australia	PhD
Mr Che Leung Kwong (Chai & Kueh (Lingnan College, Hong Kong))	Property rights and economic structural change - an application in rural China (<i>withdrawn</i> <i>09/99</i>)	PhD (remote)
Mr James Laurenceson (Chai & Stanford)	China: Financial reform of a developing, transitional economy	PhD
Mr Che-Yuan Lin (Riethmuller & van Tassel)	Taiwan's processed food industry: An economic analysis	PhD
Ms Astrid Loon (Roy & Jackson, S.)	The socio-economic impacts of implementing noise and air pollution controls at Amsterdam International Airport, Schiphol	MEcon
Mr Lauchlan Mackinnon (Foster & <i>Philosophy</i> - 50%)	Management of self-reflexive socioeconomic systems with specific reference to normative valuations	PhD
Mr Albert Mafusire (Karunaratne & Mandeville)	The role of foreign direct investment inflows in Zimbabwe	PhD
Mr Ryan McAllister (Asafu-Adjaye & Beard)	Dynamic modelling of deforestation in the P.D.R. of Lao	PhD
Mr Kefyalew Mekonnen (Asafu-Adjaye & Tisdell)	Sustainable use of the Ethiopian Nile River headwaters	PhD
Mr John Mills (Mangan & West)	The significance of eco-tourism for the development of Queensland's regional economies	PhD
Ms Kerrie Mitchener (Mehta)	Variational methods in economic theory	PhD (remote)
Mr Bryan Morgan (Foster & Bodman)	Econometric techniques in dynamic systems with particular references to monetary economics	PhD
Mr Steven Morling (Karunaratne, Makin & Forsyth (USP)	Inflationary processes in developing countries	PhD (remote)

Mr Chris Nadarajah (Docwra)	Production functions in the Australian professional team sport industry	MEcon
Mrs Kathleen O'Connor (Foster & Bodman)	An investigation of evolutionary change in the term structure of interest rates	PhD
Mr Mohd Yakub Othman (Brown, R. & Hussain (Uni. Brunei))	Economic diversification strategies for a small economy with reference to Brunei Darussalam	PhD (remote)
Ms Leonie Pearson (<i>Natural & Rural Systems Management - 70%</i> & Tisdell)	Attributing tourist expenditure within a multiple benefit single destination	PhD
Mr Tim Purcell (Karunaratne)	Effects of trade liberalisation on the Australian pig industry	PhD
Mr Mahbubur Rahman (Karunaratne & Alauddin)	Foreign direct investment in Bangladesh: Some macroeconomic issues and policy responses	PhD
Mr Chris Reid (Campbell & Asafu-Adjaye)	Optimal resource allocation between competing commercial and non commercial users in a spatially diverse fishery	PhD (remote)
Mr John Robertson (Campbell & Mapstone (JCU))	Ecological and economic implications of conservation management strategies designed to minimize the impacts of fishing in the Great Barrier Reef	PhD
Mr Brendan Rynne (Docwra & Foster)	Investment under uncertainty: A case study of airport infrastructure	PhD
Mr Nirmal Saha (Tisdell & Alauddin)	Socio-economic determinants and impacts of different forms of freshwater aquaculture in Bangladesh with particular reference to Tilapia	PhD
Ms Margaretha Scott (<i>Earth Science 65%</i> & Brown)	Cost benefit analysis for Australian geological surveys and future policy implications	PhD
Mr Arif Sikander (Mandeville & Hussain (Univ Brunei))	The significance of some major strategic technology management issues in the electronics manufacturing sector of Malaysia during the 10 years of its economic development (1986-95)	PhD (remote)
Mr Paul Simshauser (Harrison & Docwra)	Generating capacity, pricing policy and market distortions in the competitive electricity environment	PhD
Ms Ruth Stroppiana (Riethmuller & Chai)	A historical perspective of Australia's food processing industry performance with the ASEAN countries: Policy implications and future direction (<i>submitted</i>)	PhD

Mr Jungho Suh (Harrison & Tisdell)	Estimation of the values of the environment change in national parks: An application of choice modelling to Mt. Tokyu National Park in Korea	PhD
Mr Kiyoharu Takahashi (Mehta & Bodman)	Model analysis of the effect of technology transfer in less developing countries and mathematical models of economic growth	PhD
Mr Robert Tom (Mangan & Burn)	The economics of insolvency	PhD
Mr Bernard Trendle (West & Mangan)	An econometric input-output model of regional Queensland	PhD
Mr David Troedson (Harrison & Herbohn (JCU))	The economics of plantation biodiversity	PhD
Mr Gene Tunny (Riha & Foster)	Public sector growth in Australia: Causes and consequences	PhD
Ms Nerina Vecchio (Jackson, S. & Guest (Griffith))	Aging women and the paradox of wealth accumulation	PhD
Mr David Wadley (Duhs & <i>Geographical Science 50%</i>)	A philosophy of planning and development	MEcon
Mr Dradjad Wibowo (Tisdell & <i>Mathematics 33.5%</i> ; Byron (Indonesia))	Deforestation and consumption: An application of stochastic differential equations to economics (<i>submitted</i>)	PhD
Mr Craig Windram (Harrison & Docwra)	Implications of proposed greenhouse gas emission reduction targets on the Australian coal mining industry	PhD
Ms Khin Zar Win-Htin (Makin & Stanford)	Financial liberalisation in Thailand	PhD
Mr Grant Woollett (Foster & Mangan)	An investigation of structural change in the Australian economy	PhD

Coursework & Research Theses Completed in 1999

In alphabetical order of students enrolled in 1999, by category of completed thesis.

Topic	Student (<i>Supervisor</i>)	Degree/ Award
EC411 Honours Theses		
Testing the efficiency of Australian financial futures markets: A comparative study	Lawrence, Mr R. (<i>Littleboy</i>)	PGBEcon (Hons)
Economic growth and biological diversity: An empirical investigation of the environmental Kuznets Curve	Waldock, Ms T. (<i>Asafu-Adjaye</i>)	PGBEcon (Hons)
The pricing of urban bus transport in Brisbane	Bedi, Mr A. (<i>Brown, S.</i>)	PGBEcon (Hons)
The Thai and South Korean currency crises: Causes, prediction and preventions	Black, Ms S. (<i>Makin</i>)	PGBEcon (Hons)
The efficiency of law enforcement: an econometric analysis of the link between police numbers and crime and of the spillovers from crime	Clifton, Mr G. (<i>Bodman</i>)	PGBEcon (Hons)
Part-time employment in Australia: Long-term trends and business cycle dynamics	Cunningham, Mr B. (<i>Bodman</i>)	PGBEcon (Hons)
Conditions for path dependency in industrial development and implications for international trade theory	Davies, Mr A. (<i>Mehra</i>)	PGBEcon (Hons)
Re-evaluating Australia's welfare system: Poverty alleviation, welfare reform and the negative income tax in Australia	Humphreys, Mr J (<i>Dubs</i>)	PGBEcon (Hons)
Firm growth in Australia	James, Ms T. (<i>Mangan</i>)	PGBEcon (Hons)
The appropriateness of inflation targeting as a monetary policy regime in a small open economy: The case for Australia	Jones, Mr E (<i>Makin</i>)	PGBEcon (Hons)
Factor mobility and institutional discrimination: The case of language substitution in the private sector workplace in Quebec	Kler, Mr P. (<i>Potts</i>)	PGBEcon (Hons)

Invisible underemployment: The mismatch underemployment of immigrants in Queensland and Australia	Lim, Ms S. (<i>Brown, R.</i>)	PGBEcon (Hons)
Were weak economic fundamentals the main causes of the Malaysian economic decline in 1997?	Loke, Mr Y. (<i>Stanford</i>)	PGBEcon (Hons)
IMF and Indonesia: An analysis of program effectiveness through the use of socio-political yardsticks	Phillips, Ms N. (<i>Bruce</i>)	PGBEcon (Hons)
Conservation of native ecosystems on private property in Australia	Pienaar, Ms E. (<i>Asafu-Adjaye</i>)	PGBEcon (Hons)
Elaborately transformed manufactures: A new engine of growth for Australia	Robson, Mr A. (<i>Karumaratne</i>)	PGBEcon (Hons)
Trade liberation and income inequality in Australia	Rodrigues, Mr M. (<i>Karumaratne</i>)	PGBEcon (Hons)
The benefits to consumers arising from the implementation of the Meat Standards Australia beef grading system	McGovern, Ms S. (<i>Rietbmuller</i>)	PGBEcon (Hons)
The valuation of natural resources, choice modelling and the Nerang State Forest	Straton, Ms A. (<i>Brown, R.</i>)	PGBEcon (Hons)
The likelihood of adoption of recently trialled Australian timber species in the Philippines	Venn, Mr T. (<i>Harrison</i>)	PGBEcon (Hons)
GATT: Success or failure	Walker, Ms J. (<i>Bruce</i>)	PGBEcon (Hons)
The effects of net interstate migration on the Queensland labour market	Wan, Mr B. (<i>Mangan</i>)	PGBEcon (Hons)
Corporate diversification in Australia: Measurement and causes	Warner, Mr L. (<i>Mangan</i>)	PGBEcon (Hons)
The “Four Pillars Policy” and major Australian bank mergers	Willetts, Mr B. (<i>Stanford</i>)	PGBEcon (Hons)
An investigation into the application of third party access pricing theory	Woodward, Ms L. (<i>Littleboy</i>)	PGBEcon (Hons)

EC859 Economic Projects

Planned development and rural poverty in Nepal	Regmi, Mr G.P. (<i>Roy</i>)
Fiscal policy and the current account deficit	Kanchanathanavibul, Ms K. (<i>Makin</i>)

Regulation options for rail under privatisation	Mills, Mr J.A. (<i>Dubs</i>)
The political economy of industrial policy in action: The case of Thailand	Pisalasupongs, Ms C. (<i>Chai/Gow</i>)
Interpreting the Asian crisis (Thailand's perspective)	Abhiradee, Mr T. (<i>Makin</i>)
Cost benefit analysis of mined land rehabilitation of strip coalmines in Queensland	Golding, Mr B. (<i>Campbell</i>)
Meat consumption in Yogyakarta, Indonesia	Handoyo-Mulyo, Mr J. (<i>Rietbmuller</i>)
National marginal cost of employment: Increasing employment and reducing unemployment by reducing the cost of employment through a flexible Commonwealth Grant to states and wage/tax trade-offs to private sector employers	Mungavin, Mr T. (<i>Mangan</i>)
Foreign direct investment in Vietnam (1988-1998)	Nguyen, Ms T. (<i>Roy</i>)
Valuing a resource: A framework for assessing water uses, values and trade-offs	Payne, Ms A. (<i>Harrison</i>)

EC899 Theses

Industrialisation policies in Indonesia 1970-1996	Adam, Mr L. (<i>Jackson, S.</i>)
Urban-rural disparities: The case of Thailand	Ali, Mr E. (<i>Roy</i>)
Shareware in the computer gaming industry	Fox, Ms A. (<i>Mandeville</i>)
Papua New Guinea's agricultural development with particular consideration of the coconut industry	Kwayaila, Mr M. (<i>Tisdell</i>)

PhD and MEcon Theses Awarded 1999

Topic	Student (Supervisor)	Degree/ Award
Economic efficiency in the provision of local public goods	Worthington, Mr A.C. (Riha/Dollery)	PhD (03/99)
Development and implementation of a decision support system for sustainable catchment use	Qureshi, Mr M.E. (Harrison 30%/ Chem. Eng. 70%)	PhD (03/99)
Modelling and measuring the performance of the Australian waterfront: A case study of coal export terminals, 1989-1996	Millington, Mrs J. (Docwra/Knox-Lovell)	MEcon (03/99)
The role and usefulness of credit aggregates in monetary policy: Some econometric evidence from Australia 1960-1995	Khan, Mr A. (Stanford/Karunaratne/Docwra)	PhD (04/99)
Using multi-objective decision support systems to determine optimal management of irrigation areas for sustainable agriculture	Robinson, Ms J. (Brown/Asafu-Adjaye)	PhD (05/99)
Optimal exploitation of the western and central pacific tuna fishery	Hand, Mr A.J. (Campbell/Bodman)	PhD (5/99)
An empirical analysis of volatility in Australian capital market and investment management	Ghose, Mr A. (Stanford/Docwra)	PhD (8/99)
The economic impact of tourism on the state and regions of Queensland and the implications for regional tourism policy in Queensland	James, Mrs J. (Jensen/West)	PhD (8/99)
Tourism in regional economic development, conservation and decentralisation in China	Wen, Ms J. (Tisdell/Chai)	PhD (9/99)

Some factors influencing food consumption in selected Asian countries	Stroppiana, Ms R. (<i>Riethmuller/Chai</i>)	PhD (12/99)
Finance sector and payment system changes in the Queensland regional economies: An employment impact study 1985/86 to 1989/90	McPhee, Mr P. (<i>West/Jensen</i>)	MEcon (12/99)
Kant, Heidegger and modern economic thought: A critical analysis of the philosophical origins of neoclassical economics and four alternative schools	Allen, Mr S. (<i>Mangan</i>)	PhD (12/99)
The economics of imprisonment and offender supervision in Queensland: Costs and efficiency in the provision of corrective services	Edwards, Mr G. (<i>Tisdell/Alauddin</i>)	PhD (12/99)
Sustainable upland development in East Java: The contribution of conservation farming projects	Budi, Mr G. (<i>NRSM 60% / Harrison 40%</i>)	PhD (12/99)

Undergraduate & Postgraduate Subjects Offered

In 1999 students were enrolled in the following undergraduate and postgraduate subjects. Economics Department staff also lectured in a number of interdisciplinary subjects and subjects offered by other departments.

UNDERGRADUATE SUBJECTS

Level 1

Semester 1

EC102 Introductory Economics
EC104 Intro to Stats for Bus & Econ
EC115 Australian Economic Institutions
EC117 The Economics of Social Issues
EC121 Introductory Microeconomics
EC135 Quantitative Ec & Bus Analysis A

Semester 2

EC113 Pol Econ & CompEc Systems
EC121 Introductory Microeconomics
EC122 Introductory Macroeconomics
EC131 Introductory Mathematical Ec
EC135 Quantitative Ec & Bus Analysis A
EC136 Quantitative Ec & Bus Analysis B
EC162 Economic History

Level 2

Semester 1

EC211 Microeconomic Theory
EC212 Macroeconomic Theory
EC230 Introductory Econometrics
EC233 Mathematical Economics
EC264 Internat Ec 20th C
EC281 Industrial Relations

Semester 2

EC202 Management of Financial Instts
EC214 Philosophy of Economic Thought
EC221 Macroeconomic Policy
EC231 Economic & Business Statistics
EC235 Operations Research
EC263 Ec Hist of Asian Economies
EC265 App. Ec of Marketing & Distrib.
EC271 Microeconomic Policy
EC282 Australian Industrial Relations
ID226 Business Economics

Level 3

Semester 1

EC301 Monetary Economics
EC313 Advanced Microeconomics
EC321 Economic Development A
EC323 Asian-Pacific Ec: Policy Issues
EC331 Econometric Theory
EC341 Pub Fin: Pub Goods & Taxation
EC352 International Trade Theory & Pol
EC371 Public Enterprise Economics
EC375 Managerial Economics
EC378 Economics of Natural Resources
EC381 Labour Economics

Semester 2

EC300 Selected Topics in Economics
EC302 Financial Markets & Institutions
EC314 Advanced Macroeconomics
EC324 Ind Org & Pol in Asia & Pacific
EC330 Applied Econometrics
EC337 Advanced Mathematical Econ
EC342 Pub Fin: Fed & Ec & Soc Pol
EC350 Ec of Communication Tech
EC351 International Macroeconomics
EC366 Australian Economic History
EC373 Industrial Economics
EC374 Communication Tech & Info Ec
EC376 Environmental Economics
EC379 Intro to Env. Econ for Engineers
EC393 Regional & Urban Economics
ID413 Economic Analysis of Law

HONOURS SUBJECTS

Semester 1

EC401	Advanced Monetary Economics
EC411	Honours Thesis (Economics)
EC412	Senior Forum
EC413	Microeconomic Theory
EC414	Macroeconomic Theory
EC416	Economic Development
EC418	Industrial Economics
EC423	Special Unit
EC429	History of Business Organisation
EC443	Economic Statistics
EC444	Econometrics
EC445	Operations Research

Semester 2

EC411	Honours Thesis (Economics)
EC417	International Economics
EC422	Mathematical Economics
EC423	Special Unit
EC428	Ecological and Environ Econ
EC430	Adv Topics in Aust Ec. History

Summer Semester

EC121	Introductory Microeconomics
EC122	Introductory Macroeconomics
EC136	Quantitative Ec. & Bus. Analysis B
EC834	Statistics for Business & Econ
EC865	Microeconomics for Managers
EC866	Macroeconomics for Managers
EC868	Economics for Managers
EC890	Special Topics in Econ Management

POSTGRADUATE SUBJECTS

Semester 1

EC735	Econ Inform & Decision Models A
EC834	Statistics for Business & Econ
EC840	Microeconomic Analysis
EC842	Macroeconomic Analysis
EC843	Elements of Econometrics
EC844	Economic Development I
EC845	International Monetary Economics
EC847	International Industrial Econ I
EC855	Senior Forum
EC857	Health Econ for Administrators
EC859	Economic Project
EC860	Adv. Applied Econometrics
EC865	Microeconomics for Managers
EC866	Macroeconomics for Managers
EC868	Economics for Managers
EC873	Econ of Growth & Development
EC883	Economic Development II
EC893	Econ Inst & Policy Formations
EC895	Econ Planning & Social Choice
EC899	Thesis (#20)
ID846	Law & Econ. of Deposit Taking Financial Institutions

Semester 2

EC736	Econ Inform & Decision Models B
EC802	Econ of Financial Markets
EC834	Statistics for Business & Econ
EC856	Ecol & Environ Econ: Issues
EC858	Mathematical Econ.
EC859	Economic Project (#20)
EC865	Microeconomics for Managers
EC866	Macroeconomics for Managers
EC868	Economics for Managers
EC869	Research Report
EC870	Regional & Urban Economics
EC871	International Trade & Investment
EC874	Benefit/Cost Analysis & Proj. Eval. A
EC875	Benefit/Cost Analysis & Proj. Eval. B
EC882	Economics of Information
EC884	Adv International Trade
EC890	Special Topics in Econ Management
EC899	Thesis #20
ID847	Law & Econ. of Non-deposit Taking Financial Institutions

Public Relations, Community Interaction & Service and Media Appearances

The following should be regarded as a sample only of staff members' activities such as radio-television interviews, articles prepared for and research quoted in articles in newspapers and other media. Other items, publication relations, community interaction and service area are also included.

The Department was also involved in a number of Symposia and Conferences in 1999 which are listed last.

Mohammad Alauddin

- whilst on fieldwork and attending a workshop in February for his ACIAR project, undertook promotional activities on behalf of the Department at two universities in Bangladesh - Dhaka and Rajshahi.

Rodney Beard

- re-elected as Secretary of the Australian Society of Operations Research, Queensland Branch for 1999. Rodney held this position also in 1998.

Phil Bodman

- reviewed a book for *The Economic Record* in September.

Richard Brown

- represented the Department at Brisbane Boys College 'Careers Expo' in May;
- represented the Department at the IDP Australia Exhibition in Bangkok in June;
- attended a meeting in July with Mr Sveinung Lunde, the CEO of Bjorknes Privatskole, Norway, to discuss possible twinning agreement between UQ and Bjorknes, for degrees in economics, commerce and business.

Harry Campbell

- visited the University of Tasmania in late September to develop two research projects. One of the projects is an analysis of non-timber values of old-growth forest, and is being undertaken with Dr Sarah Jennings (University of Tasmania) and Mr John Dawson (Tasmanian Forestry Commission).

The other project is on the recreational value of Tasmania's inland fisheries, and is being undertaken with Dr Hugh Sibly (University of Tasmania) and staff of the Inland Fisheries Commission.

Joseph Chai

- assessed a book project on the Chinese Economy submitted to Oxford, Clarendon Press;
- acted as external examiner for a doctorate thesis submitted to The University of New South Wales in March;
- assessed two large research grant applications submitted to the Research Grant Council in Hong Kong in March and April;
- attended the Australian Education Festival in Hong Kong, in August promoting the department's undergraduate and postgraduate programs;
- undertook a one-week field work trip to Shanghai and Beijing December, for his IDP Large Research Grant project entitled "Globalization, Trade and Sustainable Development: Implications for China and WTO".

Alan Duhs

- was in Brunei for a week in August teaching EC868 to students enrolled as CAMBS students through GSM;
- commented on ABC national radio in December re the WTO and developing country attitudes to tariff negotiations.

Chandra Dulare

- was invited by the editor of the Fiji *Sunday Times* (February 99 issue) to make comments on the sale of 51 percent of National Bank shares to Colonial.

John Foster

- acted as assessor of a large research grant application for the Economic and Social Research Council (UK) in January;
- met with the Columbian ambassador in March with PVC Prof. Trevor Grigg and others to explore student recruitment possibilities;
- was an external member of the Selection Committee for the appointment of Professor/Head of the Department of Economics at the University of Newcastle;
- chaired the Ninth Colin Clark Lecture presented by Ted Evans, Secretary to the Treasury, in June;
- acted as Standing Committee of the Academic Board representative on an appointing committee for a Lectureship B/C in Written Communication and a Lectureship A/B in Film, TV and Cultural Studies;
- acted as an assessor for three ARC large grant proposals;

Steve Harrison

- visited universities in Colombia in July to recruit students for the BEL Faculty;
- with **Kartik Roy** spent two weeks in India, in September, conducting fieldwork (visiting villages, universities and government departments for data collection) for ARC large grant project on property rights for low income rural people (including tribals), especially forestry and other land-use issues. They visited the Naba Krushna Choudhury Centre for Development Studies (which has a written collaboration agreement with this department).

Bruce Littleboy

- after being a reviewer for John Taylor's *Macroeconomics*, was offered the tasks of editing and substantially re-writing

the 3000 item test bank that goes with the textbook;

- was a convenor for an oral (PhD) examination in the Department of Commerce, in September.

Tony Makin

- was interviewed about Queensland business - government relations by the *Australian Financial Review*, January;
- was a guest speaker at a Lyceum Club meeting in March at The Brisbane Club where he spoke on financial globalisation and the international monetary system;
- had his research on saving and growth reported in the *Australian Financial Review*, *The Courier Mail*, *The Sydney Morning Herald*, *The Canberra Times*, *The Sunday Telegraph*, *WA Business News*, *The Hobart Mercury* and the *South West News* in March;
- was interviewed on the topic of saving and growth by ABC News in March;
- had his research on Australia's saving reported in the *Cairns Post* and the *Queensland Business Review* in March and the *Queensland Independent* in May;
- was interviewed for ABC radio's 'PM' and 'Newstalk' in March;
- published an invited contribution entitled 'Health Index' in *The Courier Mail* in May;
- reviewed two ARC Large Grant applications;
- was interviewed about fiscal policy and the Australian economy in June for ABC 'Newsradio'.
- was interviewed about employment trends and the economy by ABC Radio News, in July;
- had his research on the national income gains from foreign investment reported in the *Melbourne Age*, in July;
- represented the Department at the Education Australia 2000 Exhibition organised by Austrade in Kuala Lumpur, Malaysia, in October;
- was interviewed on microeconomic reform and Australia's productivity performance by ABC "Newsradio", in October;

- submitted an invited entry on ‘The balance of payments and exchange rates’ for the first edition of a new UNESCO Encyclopaedia of Life Support Systems;
- briefed a visiting academic from the Copenhagen Business School, Denmark, on the department's degree programs, in November;
- examined a Masters thesis on international monetary economics for Griffith University, in December.;
- reviewed a paper for the Journal of Money, Credit and Banking, in December.

Kartik Roy

- was appointed honorary Visiting Fellows of the Nabakrushna Choudhury Centre for Development Studies in India.

Jon Stanford

- was awarded a Continuous Service Award by the Securities Institute of Australia in recognition of his contribution to the educational activities of the Institute;
- was a consultant to the Committee of Inquiry into Financial Services appointed by the Minister of Finance, Fiji. The Committee reported in February 1999 and its report criticised the Australian banks, ANA and Westpac, the major banks in Fiji, for making excessive profits at the expense of the people of Fiji;
- was elected a Fellow of the Institute by the Securities Institute for having “... served with distinction the aims and objects of the Institute...”. The Securities Institute also noted Jon’s election to Fellowship is a reflection of the high regard in which he is held and recognition of his contribution to raising standards in the industry.

Clem Tisdell

- in conjunction with Dr Ted Christie, Barrister-at-Law, in March, submitted a joint confidential report to the Queensland Department of Environment and Heritage entitled ‘Assessment of Applications for Marine Parks Permits to Carry Out Commercial

Fishing in the Peel Island Protection Zone’. They were required to undertake an independent review of Marine Park permits for the Peel Island protection zone, and undertook site inspections and held interviews with applicants for Marine Park Permits;

- was appointed honorary Visiting Fellows of the Nabakrushna Choudhury Centre for Development Studies, in India;
- was elected Vice-President of the International Association of Aquaculture Economics and Management, and re-appointed as joint editor of the journal *Aquaculture Economics and Management* published by Blackwell Science;
- was appointed to the editorial board of the *International Journal of Development Planning Literature*;
- examined a PhD thesis for The University of New South Wales;
- was approached by the Economic and Social Commission for Asia and the Pacific (ESCAP) on behalf of UNCTAD to assist with a review of the UN-sponsored programme of action to assist the world’s poorest LDCs as set out in the Paris Declaration. It is anticipated that Clem will review the situation of the poorest Pacific Island countries as part of the activities involving the United Nations Conference on Trade and Development;
- reviewed a book *Population, Economic Development and the Environment* edited by K.L. Kiessling and H. Landberg, Frank Cass Publishers, 1999, *The Journal of Development Studies*, 35(4), April 1999.
- reviewed a book *Asia-Pacific Economies: A Survey* by I. Silam & A. Chowdhury, Oxford University Press, 1999, *The Journal of Developing Areas*, 33(1), 1998;
- was away in September, on a UN mission visiting Fiji, Tuvalu and Kirabati for data collection for reports on the five (5) least developed South Pacific Island Nation;
- was appointed Editorial Advisor to the *Journal of Southeast Asian Studies*, a multidisciplinary journal;

- completed the editing of a special issue of *the Indian Journal of Quantitative Economics* (an international journal of development economics) on economic globalisation as guest editor. The main contributors are from Australia, Europe and North America. This issue was been accepted by Guru Nan Dev University for publication;
- visited various government officials, universities and industrial enterprises and participated in a series of research meeting with Chinese co-researchers from China's University of International Business and Economics ; State Environmental Protection Agency and Ministry of Foreign Trade and Economic Cooperation;
- was invited by the Chairman of the Queensland Environmental Law Association to Chair the session on Environmental Policy and the subsequent questions time immediately following the opening of the annual conference of the association by Rod Wilford, MLA, Minister for Environment, Heritage and Natural Resources on 21 July at Sheraton Noosa;
- examined theses from UQ and an Indian University as well as a Master of Natural Resources thesis for the University of Western Australia.

Departmental Symposia and Lectures

The Department of Economics was involved in the organisation and sponsorship of a number of Symposia and Lectures held in Brisbane in 1999.

The Ninth Colin Clark Memorial Lecture

The 9th Colin Clark Memorial Lecture, a public lecture arranged by the Department of Economics, in conjunction with the Economic Society of Australia (Qld) Inc. with financial support of the Queensland Treasury was held on 4th June.

Mr Ted Evans, Secretary to the Treasury presented a lecture entitled 'Economic nationalism and performance: Australia from the 1960s to the 1990s'.

Economics Forum

The University of Queensland *Economics Alumni* held an Economics Forum on 7 July at Customs House, Brisbane. Speaker: **Professor Rodney Maddock** *Head, School of Business, La Trobe University* 'National Competition Policy and Transport Reform'.

International Workshop on Self-Organisation, Evolutionary Economics and Innovation: Theory, Modelling and Policy

Hosted by the Economics Department's *Emergent Complexity and Organisation Economics Research Group*, the International Workshop was held on 12-15 July.

Presenters and respondents were from around the world:

(Welcome)

John Foster

Head, Department of Economics, The University of Queensland.

(Introduction & Overview)

Stan Metcalfe

Manchester University & Honorary Professor of the Department of Economics, The University of Queensland.

Presenters & Respondents :

Richard Nelson (Presenter)

Columbia University, USA

John Gowdy (Respondent)

Rensselaer Polytechnic Institute, USA.

Horst Hanusch

& Uwe Cantner (Presenters)

University of Augsburg, Germany;

John Nightingale (Respondent)

University of New England.

Paolo Saviotti (Presenter)

INRA, France;

Esben Andersen (Respondent)

University of Aalborg, Denmark.

Pavel Pelikan (Presenter)

IUI, Sweden;

Bryan Morgan (Respondent)

University of Southern Queensland.

Peter M Allen (Presenter)

IERC, Cranfield, UK;

Kevin Bryant (Respondent)

DISR, Canberra.

Bart Nooteboom (Presenter)

Groningen University, The Netherlands;

Paolo Ramazzotti (Respondent)

University of Macerata, Italy.

Kurt Dopfer (Presenter)
University of St Gallen, Switzerland;
Jason Potts (Respondent)
The University of Queensland.

Francisco Louca (Presenter)
ISEG, Lisbon, Portugal
Steve Keen (Respondent)
University of Western Sydney.

Robert Delorme (Presenter)
CEPREMAP, Paris, France;
Drew Wollin (Respondent)
GSM, The University of Queensland.

Uwe Cantner (Presenter)
University of Augsburg, Germany;
Kevin Bryant (Respondent)
*Department of Industry Science and Resources,
Queensland Treasury, Canberra.*

Similarities and Differences in the Food and Rural Sectors of Australia and Japan

A Symposium sponsored by the Department of Economics, the Australian Agricultural & Resource Economics Society and the Japanese Consulate, was held on 9th August at Customs House, Brisbane. (co-ordinated by Paul Riethmuller)

Speakers included:

- **Professor S. Shogenji**
Tokyo University
- **Mr Tsukumoto**
Austrade, Sydney
- **Mr Denis Gustin**
Instae, Consulting Company
- **Professor John Longworth**
The University of Queensland

The Department of Economics has developed specialisations in several fields of applied economics including project evaluation and cost benefit analysis, transport economics, public finance, regional and urban studies, applied econometric analysis and economic model building. Other areas of interest to the Department include development economics, natural resource utilisation, environmental economics, science and technology policies, information economics research, macroeconomics and monetary economics.

CONSULTING SERVICES:

- cost-benefit analysis
- development economics in the Third World - Asian Pacific Economics
- economic analysis of Queensland economy and Queensland economic policy
- economic evaluation studies
- economic impact analysis at state and regional level
- economic modelling and testing
- economics of tourism
- environmental and geological economics
- general microeconomic analysis
- health services research
- industry studies
- information economics and economics of technological change
- input-output impact studies
- labour economics
- local government economic planning
- macroeconomic forecasting
- managerial economics
- natural resource and environmental economics including marine resource economics and aquaculture
- natural resource economics
- regional and urban economic planning and policy issues
- science technology and information policy
- statistical package instruction

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