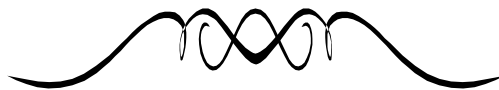


Department of Economics

Annual Report

1996



**Department of Economics
The University of Melbourne
Parkville
Victoria 3052
Australia**

WWW - <http://www.ecom.unimelb.edu.au/ecowww/home.html>

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History of the Department

The formal establishment of a Department of Economics, within the Faculty of Economics and Commerce, occurred in 1944. However courses in economics, or political economy, the name by which the discipline was universally known during the nineteenth century, had been offered since the establishment of the University.

The Chair of Modern History and Literature, Political Economy and Logic, was a foundation chair within the Faculty of Arts. Over time, as in other parts of the world, the disciplines of history and political economy were separated organisationally from their moral philosophy base, and then from each other. At Melbourne, the separation of history and political economy was slow to take place, partially for political reasons. Separate Chairs of History and of Economics and Sociology were created in 1912, but the latter remained unfilled when the University Council refused to accept conditions made by the State Premier as to the appointment of the Professor and the Victorian government withdrew supporting funds.

Political Economy therefore remained within the jurisdiction of the Department of History until the creation of the Faculty of Commerce in 1925. The first Professor of Commerce, Douglas Copland, insisted that the subject be brought under his control and that arts students share classes with commerce students.

The new commerce degree was broadly a degree in business management, with the study of economics as its lynch-pin. It was tailored to meet the needs of part-time, mature-age students already at work in business, the public service and education. It was also suitable for school-leavers.

Many of the first students had outside qualifications, particularly in accounting - what they lacked was both a knowledge of theoretical economic concepts and their application as well as an overview of the institutional anatomy of the Australian economy within its international setting. In the troubled international environment of post-World War I years, this lack was keenly felt. As a very public economist determined to influence government policy, Copland revitalised the study of economics.

One of his strong ambitions was to train professional economists equal to their counterparts abroad. In this he was helped by two developments.

The first was his association with the Social Sciences Division of the Rockefeller Foundation of New York. Appointed as its Australian representative, he developed lasting links with leading economists in North America, Britain, France, Germany, Italy, Austria, Czechoslovakia, Holland,

the Scandinavian countries and China - all in key centres aided by the Foundation. Scholarships were provided for Australians to study abroad and for overseas scholars to visit Australia.

The second development was the Ritchie bequest to establish a Chair of Economic Research. Located in the Faculty of Arts but directed from the Faculty of Commerce, it was occupied by Lyndhurst Giblin from 1929 until the outbreak of the second world war.

The Ritchie Chair served as the catalyst for the establishment, in 1930, of an Honours School of Economics within Arts, with students being directed by Giblin and Copland. Honours students were encouraged to proceed to the MA research degree, after which they were given help, often with Rockefeller funds, to study abroad at leading universities. With the outbreak of World War 2, they became key Commonwealth bureaucrats, directing the war effort. Economists had come into their own.

Under the Commonwealth Reconstruction Training Scheme, former service personnel were given financial assistance to study full-time for five years after the war. In anticipation of the great boom in the full-time undergraduates, the Faculty of Commerce was reorganised to become the Faculty of Economics and Commerce, with Economics to the fore.

Once again there was a strongly felt need within the community to 'learn the lessons of the past' and to learn the secrets of a managed economy.

Economics as a discipline became increasingly popular among school-leavers as well as with returned soldiers.

The rapid expansions of the Department had begun. In 1946 there were 1335 students enrolled within the entire Faculty. Impressive as this figure seemed, it is less than the 1997 enrolment figure for the Department's first year Introductory Microeconomics. Increased enrolments have led to a greater level of specialisation and diversity of subject offerings, greater opportunities for research, a multiplication of chairs and the need for a more specialised staff. There has also been a greater diversity among students.

The Commonwealth's immigration policy brought students with a non-British background, while in the early 1950s Commonwealth funding through the Colombo Plan brought Asian students to the Faculty and the Department, often with preferences for the study of finance and business management. They provided a spearhead for the increased influx of overseas students who are willing to pay full fees for a Melbourne degree.

The present Department of Economics has a growing international record as an institution of world class learning; in this it has built on the solid foundations laid by its predecessors.

Head of Department's Report

Highlights of 1996 included the following:

Research

In 1996 the Department published in total 46 refereed articles, eight books, 14 chapters in books and 72 research papers. The paper "Wool Price Variability in the Long Run: A Test of Non-linear Storage" by Associate Professor Peter Bardsley and Dr. Nilss Oleklans was awarded the best paper prize by the Australian Journal of Agricultural Economics. Detailed information in relation to publication activity can be found under the Publication section of this report.

In 1996 the Department was successful in obtaining a substantial number of external grants, including three ARC Large and eight ARC Small grants. These grants had a combined worth of \$375,500. Other external grants obtained in 1996 had a combined worth of \$129,640. University and Faculty grants obtained in 1996 had a combined worth of \$72,500.

Research links between the Department and the Melbourne Institute of Applied Economic and Social Research (MIAESR) were at an all-time high. Professor John Freebairn of the Department was appointed Director of the Full Employment Project, an initiative of the MIAESR. Professor John Creedy was joint editor of the Australian Economic Review. Dr. Chris Worswick participated in a joint research project with the MIAESR entitled "Dynamics of Large Firms in Australia". The Macrobreakfast, a monthly discussion group of the Department and the MIAESR, met throughout 1996. A joint PhD program was also established in 1996.

The Department's IT network was expanded by the installation of a second UNIX server. The University funded eighty five percent of the cost of this server. Computer support for PhD students was increased to a point where all full-time PhD students now have access to their own PC, the type depending upon the nature of their work.

Teaching

Following the trial of problem based learning (PBL) techniques in 316-201 Intermediate Macroeconomics tutorials in 1995, the use of these techniques was extended to three other core economics subjects in 1996. A program of tutor training was designed and implemented in all core subjects.

In 1996 an honours program in Actuarial Studies was introduced. Six students enrolled in the first year of this program.

Six subjects in Actuarial Studies were taught at the Australian National University using a video conferencing link. In 1997 the subjects 300-410 The Actuarial Control Cycle 1 and 300-411 The Actuarial Control Cycle 2 will also be video-conferenced.

The Centre of Actuarial Studies was the subject of a 1995 review as part of the University's regular five year cycle of review of centres. The reviewers concluded that, "the Centre has achieved a position of national prominence, and international recognition, for scholarly and professional activity in the area of actuarial studies".

Graduate Studies

Four students graduated with PhD degrees in 1996. Given the increase in recent years in the number of students enrolled in the PhD to 24 students in 1996 it is expected that the size of the flow of PhD graduates per year will be maintained in the future.

A new advanced theory subject 316-650 Microeconomics 2 was added to the PhD program, as recommended by a 1995 Department review of the graduate coursework program. A course of instruction in mathematical techniques was added to the core microeconomic subjects, 316-611 Microeconomics and 316-806 Diploma Microeconomics. There was some rationalisation of the existing graduate subjects and the introduction of a new graduate subject 316-651 Labour Economics.

Community Service

In 1996 approximately 1600 high-school students taking VCE economics attended two sets of three lectures offered by the Department. Two issues of the Department's journal aimed at students and teachers of VCE economics, EconoChat, were published.

Almost all members of staff served in advisory capacities to business or government. Several staff members were on editorial boards, including the managing editor of the Economic Record, Australia's premier academic journal in economics.

Staff

A number of new staff joined the Department in 1996. Professor John Freebairn took up a Chair in Economics in the Department at the beginning of the year. Associate Professor Peter Bardsley and Associate Professor Malcolm Dowling also joined the Department. Professor Peter Hartley took up a joint appointment as a Professorial Fellow with the Department and as Executive Director of the Tasman Institute.

A new Chair in Applied Microeconomic Theory was established and it is expected that this chair will be filled in 1997.

Professor David Knox was declared Actuary of the Year by the Institute of Actuaries. Professor Knox was also appointed to the Education Committee of the International Forum of Actuarial Associations whose brief is to recommend international standards for the accreditation of actuaries.

Ten visiting academics spent time in the Department. Amongst these were Professor Albert Schweinberger of Konstanz University, Professor Stephen Cecchetti, Ohio State University and National Bureau of Economic Research, Dr. Daniel Dufresne, University of Montreal and the 1996 Downing Fellow Dr. Paul Johnson of the London School of Economics. A full list of Departmental visitors in 1996 is included elsewhere in this report.

The Journalist in Residence program continued in 1996 with a visit from Mr. Peter Martin of the ABC. The Journalist in Residence program is aimed at improving understanding and communication between journalists and Departmental academics.

As the outgoing Head of Department, I would like to take the opportunity to thank the academic and administrative members of the Department for their support.

Professor Ian McDonald
National Australia Bank Professor of Economics
Head of Department
(1993 - 1996)

Strategic Plan 1994-1996

1. Introduction

1.1 This document sets out in Section 2 the general objectives and status of the Department of Economics. Section 3 surveys recent patterns in the teaching of the Department and Section 4 surveys research. Section 5 lays down a crucial principle to be followed in the Staff Recruitment Policy. Section 6 sets out specific goals for the 1994-1996 Triennium.

2. General Objectives and Status

2.1 The Department of Economics aims (a) to provide high quality teaching at the undergraduate and graduate levels (b) to undertake high quality research and to publish the results in books and refereed journals both in Australia and overseas (c) to contribute to the intellectual, cultural, social and economic development of the community. These three aims are seen as complementary - for example, academic staff actively engaged in research are seen as being most likely to present courses which will stimulate the high quality students attracted to the Faculty of Economics and Commerce at the University of Melbourne, assisting them to develop their full potential. The Department of Economics defines "high quality" by reference to the best practices wherever located in the world.

2.2 In the last 10 years the quality of the Department of Economics has improved dramatically. A recent survey of professors of economics in Australia has judged the department as second in Australia to ANU. (It is worth noting that ANU, having a large number of research-only positions in economics, is very hard to outrank). The improvement in the quality of the department is due to good judgement, enterprising decision-making and an energetic hiring policy. The department has attempted to make the best use of its high-quality personnel. Its members have been encouraged and allowed to raise the standard of teaching and research. Applications for research grants have increased. In 1989 there were four ARC grant applications from the department. Over the following three years the Department averaged 17 ARC grant applications per year. Successive heads have striven to improve the administration of the department. By hiring good people and by exploiting their talents, the Department has been able to raise its reputation as the evidence

cited above suggests.

- 2.3 The department is well endowed with applied economists, whose work is motivated partly by issues of economic policy. Within the Department there is a strong and cohesive group of econometricians, whose research includes both econometric theory and applied econometrics, and a strong and cohesive group of economic theorists. Both these groups exceed the critical mass required for collegial activity to flourish.

3. Teaching

- 3.1 In its undergraduate teaching, the Department of Economics attempts to impart a scholarly understanding of the basic concepts of economics and the institutional framework to which these concepts apply. Undergraduate teaching caters for students seeking a generalised education in commerce and provides sufficient technical grounding to enable students to proceed to honours and masters degrees in economics, which are seen as the minimum requirements to achieve the expertise of a professional economist. There is some evidence that both these two functions are achieved in a way attractive to students. Accounting students at Melbourne typically choose to do more economics than their counterparts in nearly all other tertiary institutions in Australia. The honours programme in economics is the largest honours economics programme in Australia. In 1993, 61 students are enrolled. The average of the numbers of students enrolled in the programme in the three years 1990 to 1993 was 56. The graduates from this programme are in great demand. Recent graduates have been employed by the Australian Treasury, the Research Bank of Australia and major financial institutions.
- 3.2 In 1992 a PhD in economics with a coursework component was introduced. This is the only such PhD degree in the University. In all the top North American Universities the PhD degree in economics has a significant coursework component. This is also true of leading universities outside of North America, such as the Australian National University and the London School of Economics. It is against the standards of these universities that the Department of Economics at Melbourne compares itself. The numbers of students enrolled in our PhD programme has increased. In 1993, 25 students are enrolled in the PhD degree, of which 7 are enrolled in the coursework PhD. However we aim to expand the numbers further in the future. One part of our policy is to attempt to

recruit more students from Asia. At the moment the Department and the Faculty are negotiating exchange agreements with some universities in Asia, eg. the National University of Singapore and Osaka University, which, it is hoped, will generate increased enrolments of graduate students.

- 3.3 In recent years there has been an expansion in the number of postgraduate students in the Master's degree. We now have a critical mass of good students in the masters by coursework degree. Not surprisingly, given our enthusiasm for the PhD with a coursework component, the Department strongly believes that students should enrol in the masters by coursework rather than by thesis. High quality research in economics requires a minimum of five year's coursework. We have reviewed and recast our masters' courses, in order to strengthen their technical base. We have also introduced a postgraduate diploma in economics.
- 3.4 The Department aims to be the leader in Australia in producing professional economists. To be a professional economist requires at least the completion of an honours degree and in many instances a postgraduate degree. The Department supports the Faculty policy of increasing the proportion of honours and postgraduate enrolments in the total student load.
- 3.5 One of the strengths of the Department is its orientation towards applied economics. The Department's course offerings include a significant empirical content. Students undertake major computer-based assignments in all years. Our course structure ensures that all bachelor of commerce students have performed statistical exercises using a computer. We believe that the skills learned from computer exercises are an important component of our students education. Of course these activities place considerable demands on staff time. We attempt to instil into all students a research orientation and capability.

4. Research

- 4.1 In research there has been a considerable improvement in the quantity and quality of output over the last decade or so. As chart 1 shows the number of pages of refereed journal publications per staff member has increased substantially, and exceeded 20 pages in 1992.
- 4.2 The Department believes that research and graduate teaching are inexorably linked. It follows that in graduate teaching the optional units offered should reflect the research areas of current staff. The

Department has altered course structures in the past to reflect staff changes and will continue to do this.

5. Staff recruitment policy

- 5.1 To achieve its aims of excellence in research and teaching the department recognises the importance of recruiting high quality staff. The quality of the existing staff compares favourably with other departments both within Australia and overseas. In view of the tight and fairly narrow market of academic economists in Australia the recruitment of high quality staff is made more probable if a fairly broad-minded attitude to areas of specialisation is adopted by selection committees. The quality of a field of applicants can be severely reduced by advertising in a narrow area. To maintain the high quality of appointments to the Department it is necessary to actively seek out individuals with recently completed PhD's from major universities.

6. Specific Goals for 1994-1996 Triennium

- 6.1 The success of the Department in recent years suggests we should continue, in broad terms, the policies and procedures now in place. The following are specific goals for the next triennium.

6.2 Teaching

- 6.2.1 To extend the current system in which all subjects are evaluated by students by introducing a questionnaire sent to ex-students, several years after graduation, seeking their views on the value of their studies in the Department of Economics.
- 6.2.2 To explore the development of an appropriate set of numerical indicators of varied aspects of student performance and outcomes.
- 6.2.3 To continue to monitor and, where advisable, to implement new approaches to teaching, especially teaching in subjects with large enrolments.
- 6.2.4 To explore ways to foster independent learning, verbal and written communication skills in students and to encourage interaction between senior and junior students.
- 6.2.5 To seek information from employers about the value to them of the various aspects of the teaching programme of the Department.
- 6.2.6 To urge Faculty to increase the numbers of joint degree students selected especially the Arts/Commerce and Commerce/Science joint degrees. Joint degrees enable students to increase the breadth of

their studies by including subjects from a range of disciplines.

- 6.2.7 To review the number and frequency of our offerings at the 3rd year level.

6.3 Research

- 6.3.1 To maintain and develop international contacts by encouraging staff to take SSP leave overseas and to attend overseas conference.

- 6.3.2 To explore ways to improve further the ability of members of the department to publish research in refereed journals, in Australia and overseas.

- 6.3.3 In order to obtain funds for research infrastructure it is proposed that the Department in the future be more active in seeking support for Key Centres of Teaching and Research, ARC money and finance from the private sector.

- 6.3.4 To increase the number of full-time PhD students. This will be done in three ways: (i) by actively seeking out good students and encouraging them to apply for Australian Postgraduate Research Awards, (ii) by using departmental and research funds to advertise departmental scholarships and (iii) by encouraging staff to include provision for Australian Postgraduate Research Awards in their ARC applications.

An increase in full-time PhD students will permit a greater proportion of the more routine aspects of undergraduate instruction to be taken by graduate students on a casual basis, thus allowing academic staff to spend more time on research training and their own research.

- 6.3.5 To foster interaction with Australian and overseas scholars by running a seminar programme on a regular basis.

6.4 Contribution to the Community

- 6.4.1 To expand the department's input into the teaching of economics in schools by offering short courses for high school teachers of economics. The recent initiatives of an annual lecture for VCE students, pressing for improvements in the VCE syllabus and having an input into the procedure for setting the VCE test CAT will be continued, where possible.

- 6.4.2 To encourage members of the department to make contributions to the media of an educative nature.

- 6.4.3 To foster, through the Programme of Monetary and Financial Economics, the interaction between monetary and financial institutions and the Department of Economics.
- 6.4.4 To organise at least one conference a year aimed at either academic economists or at a broader audience.
- 6.4.5 To develop and continue the annual register of community service by members of the Department. This register was begun in 1993.
- 6.4.6 To introduce new postgraduate degrees aimed at practitioners, such as a Master of Applied Finance, which would be a joint venture with the Department of Accounting and Finance, and to explore other practitioner-oriented masters degrees such as a Masters of Industry Policy and/or a Masters of Economic Policy.

6.5 Asian Studies

- 6.5.1 To seek to make appointments including one at level D or E with expertise in the economies of East Asia. Such appointee(s) should be able to teach in the core areas of economics or econometrics and be capable of producing the high quality research expected from members of the Department.
- 6.5.2 To include material on Asian economies in our subjects, where appropriate, especially the first and second year core subjects.
- 6.5.3 To market in Asia our postgraduate courses and especially the PhD in economics with a coursework component.

6.6 Administration

- 6.6.1 To reduce the administrative burden of the head of department by allocating more of the managerial functions to administrative staff and by devolving more of the leadership functions to other academic members of staff. To do this requires developing, in some areas, measures to monitor overall performance, such as the recent development in the department of a summary set of accounts. It should be ensured that due credit should be given to academics who take on additional leadership functions.
- 6.6.2 To maintain a strong focus on equal opportunity and affirmative action goals and further develop strategies for achieving them. A particular objective is to increase the number and proportion of women taking higher degrees.
- 6.6.3 To organise in a systematic way the hiring as lecturers of individuals with recently completed PhDs from major universities.

6.7 Centre for Actuarial Studies

6.7.1 The Centre for Actuarial Studies was established in the second semester of 1992. At that time, the first actuarial staff were appointed and the previous undergraduate teaching arrangements from Macquarie University ceased. Three actuarial staff have now been appointed and funding for a privately sponsored professorial fellowship has been obtained. The following are the specific goals of the Centre for Actuarial Studies for the next triennium.

6.7.1.1 That by 1996, based on the quality of teaching, research, professional involvement and output of graduates, the Centre for Actuarial Studies, at the University of Melbourne be regarded as the leading actuarial centre in the Australasian and South East Asian region and as one of the leading centres of actuarial education and research in the world.

6.7.1.2 To increase the number of undergraduate students taking subjects offered by the Centre for Actuarial Studies. Due to the previous links with Macquarie University, current student numbers in second and third year are low. It is therefore appropriate that during 1994-96, this objective be pursued.

6.7.2 Teaching

6.7.2.1 To revise the actuarial subjects so that they provide appropriate intellectual challenges within a contemporary framework (including greater emphasis on computer based projects);

6.7.2.2 To encourage a higher proportion of students to undertake an honours year in actuarial studies.

6.7.2.3 To develop an honours programme in actuarial studies.

6.7.2.4 To explore the opportunities to offer continuing education courses.

6.7.2.5 To investigate the offering of intensive courses and/or courses by satellite or video to overseas students, in particular to students in South-East Asia.

6.7.3 Research

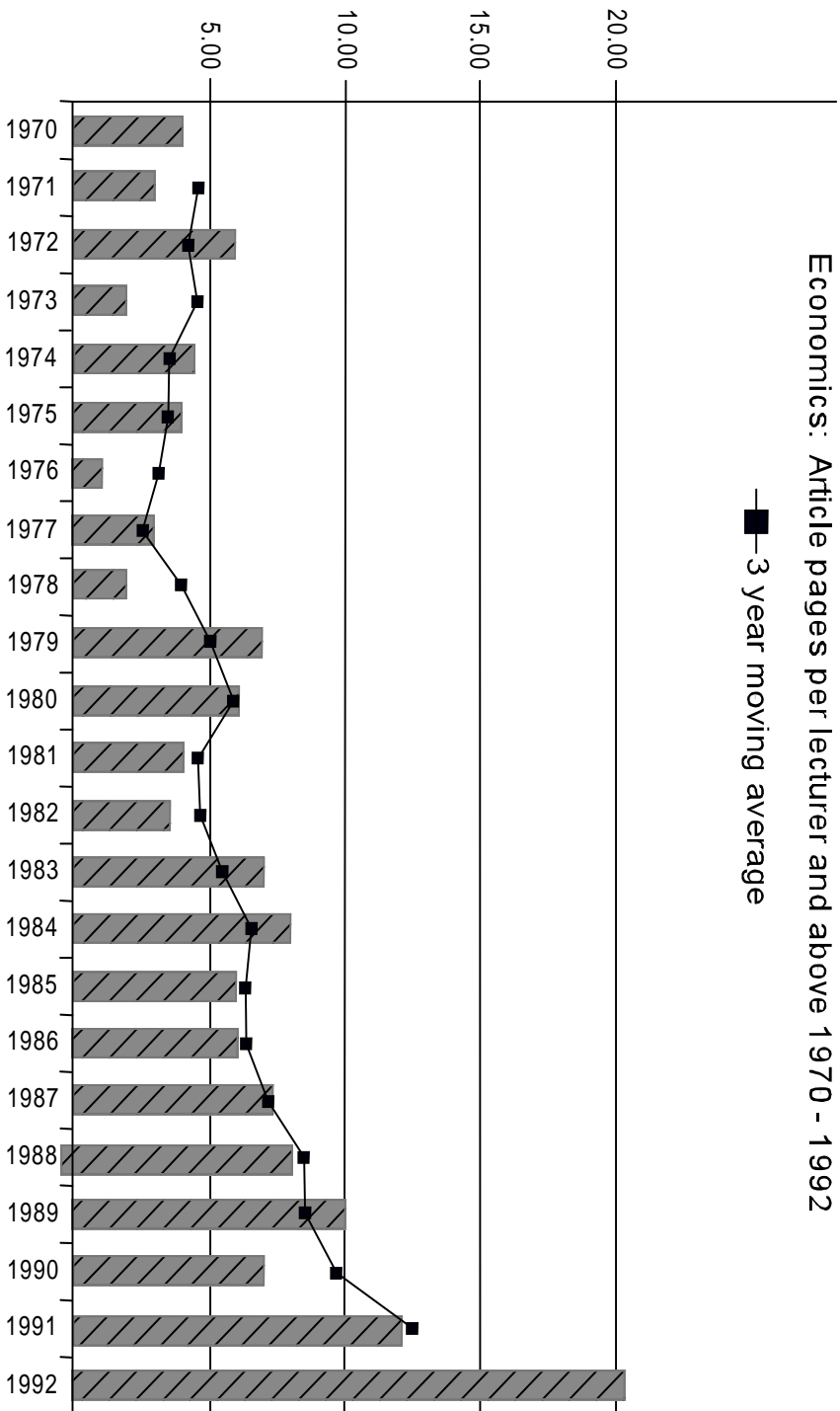
6.7.3.1 To increase the research links with actuarial centres around the world through regular visits of personnel to and from Melbourne;

6.7.3.2 To establish research links with industry and seek to obtain funds through Collaborative Research Grants, as well as the normal funding mechanisms.

6.7.4 Community and Professional Links

6.7.4.1 to consider the organisation of regular research based seminars and/or conferences for actuaries and others who are working in related areas.

Chart 1



Overview of The Department -1996

1. The University

The University of Melbourne was established in the 1850's and now has approximately 30,680 students. It is situated in 19 hectares of landscaped grounds about 2.5 kilometres north of the centre of the City of Melbourne.

2. Internal Organisation

The Department of Economics is one of the largest departments in the University and is one of five departments in the Faculty of Economics and Commerce. The other departments are Accounting and Finance, Management and Industrial Relations, Business Development and Corporate History and the Institute of Applied Economic and Social Research. The Centre for Actuarial Studies is located in the Department of Economics. Close collaboration exists between departments, both in teaching and research. At present the Department of Economics has 35 full-time academic and 10 administrative staff. The staff comprise 7 professors, 9 readers/associate professors, 5 senior lecturers, and 14 lecturers who produce large amounts of high quality research and who pride themselves on the quality of both their teaching and research. Areas of interest cover a broad range of areas in economics, including the following:

Environmental Economics
Competition Policy and Industrial Regulation
Econometrics (Applied and Theoretical)
Economy-Wide Modelling
Household Economics
Income Distribution
Industrial Organization
International Economics
Labour Economics
Macroeconomic Theory and Policy
Microeconomic Theory and Policy
Monetary and Financial Economics
International Trade and Policy
Post-Keynesian and Marxian Economics
Social Economics
Public Economics
Economic Growth
Asian Economics

3. Finance

The Faculty receives a one line budget from the University which is allocated to departments primarily, but not exclusively, on the basis of weighted student load. The Faculty allocates some \$200,000 for competitive research grants.

The Department is allocated a one-line budget by the Faculty based on weighted teaching loads. The operating budget of the Department in 1996 was \$3.4 million. In 1996 the Department was successful in obtaining a total combined worth of \$577,640 from ARC, University and Faculty grants.

4. Professorial Staff

The Department has seven Professorial positions. These are held by Professor John Creedy (Truby Williams Chair in Economics), Professor John Freebairn (Professor of Economics), Professor David Knox (Professor of Actuarial Studies), Professor Peter Lloyd (Ritchie Professor of Economics), Professor Ian McDonald (National Australia Bank Professor of Economics), Professor Ross Williams (Professor of Econometrics) and Professor Ben Zehnworth (GIO Professorial Fellow in Insurance). Professor Lloyd is on secondment as Director of the Asian Business Centre within the Institute of Applied Economics and Social Research until 31 December 1996. A Chair in Applied Microeconomic Theory was established in 1996 and is expected to be filled in 1997.

5. Departmental Management

The Head of the Department is appointed by the Council of the University from the staff of the Department at the level of Senior Lecturer and above. The appointment is made on the advice of the Vice-Chancellor following a recommendation from the Dean of the Faculty of Economics and Commerce who takes advice from departmental staff. Professor Ian McDonald was Head of Department until 31 December 1996.

6. Departmental Aims

The Department's Strategy Plan begins with the words: "The Department of Economics aims to provide high quality teaching at undergraduate and graduate levels and to undertake high quality research and to public the results in books and refereed journals both in Australia and overseas". Consistent with this, the Department has four primary functions. These are, in order of importance:

- (1) To research and to disseminate the results of that research.
- (2) To transmit research skills and findings through the training and supervision of Honours, Masters and PhD students.

- (3) To engage in other scholarly activity including teaching undergraduate and graduate students, arranging seminars and conferences and preparing textbooks and other learning tools.
- (4) To serve the community and our profession and to provide, where compatible with the above, consulting and other services.

Because we are an academic department at the University of Melbourne it is of course necessary in everything we do that we adhere to, and attempt to instil in others, the highest standards of scholarly behaviour and a commitment to excellence.

7. Undergraduate Teaching

The Department of Economics teaches in the areas of economics, econometrics and actuarial studies. At the undergraduate level students in the Faculty may elect to take the Bachelor of Commerce degree at the ordinary level (3 years) or at the honours level (4 years). The Department's subjects may also be taken as part of an undergraduate major by students enrolled in the Faculty of Arts. The Department of Economics teaches first and second year core subjects in economics and quantitative methods which are compulsory for all students enrolled for the B.Com degree. At the third-year level the Department provides over 20 optional subjects. The majority of undergraduate students take at least two of these subjects. (Our most popular third year options are: Money and Banking; Microeconomic Theory; International Economics; Financial Economics; Macroeconomic Theory; Labour Economics; and Econometrics). A sizeable and growing number of BCom students undertake a joint degree. Formal joint degrees are BCom/BA (Commerce Arts), BCom/LLB (Commerce/Law), BCom/BSc (Commerce Science), Commerce Forestry, Commerce Agricultural Science, BCom/BE (Commerce Engineering) and BCom/BIS (Commerce/Information Systems). Also, students may elect to undertake an actuarial sequence within the B.Com degree.

In 1996 undergraduate enrolments in equivalent full-time units are 1712 of which 447 are full fee-paying international students. Approximately 40% of the undergraduate student load in the Faculty is located in the Department of Economics. The honours school is the largest in economics in the country. Currently 29 students are enrolled in the honours (fourth) year. The honours course was ranked best in the country in a survey of Australian Professors of Economics.

Competition for entry into the first-year of the B.Com course is very strong. The TER score for entry into first year was 88.15.

8. Graduate Teaching

The Faculty offers an M.Com and an M.A. by course work or thesis but the Department encourages students to take the course work option. The Department also offers a Postgraduate Diploma in Economics. It is the policy of the Department of Economics (and the University) to increase the number of postgraduate students relative to the number of undergraduate students. In 1996 30 students enrolled in the Master of Commerce with a specialisation in economics and 42 students enrolled in the Postgraduate Diploma in Economics

The Department offers a three year PhD programme with one year of course work, along North American lines. Compulsory subjects include microeconomic theory and macroeconomic theory, econometrics and mathematical economics. In 1996 there are 28 students enrolled in a PhD programme specialising in economics.

9. Research

Research in such a large Department spans most branches of economics and related areas. A full listing of the research interests of staff can be found in a separate section of the Annual Report. The Department is strong in economic theory, applied economic analyses, econometrics and actuarial studies. A significant amount of the research done in the department is policy oriented. Conference participation is encouraged and supported financially. External research funds are obtained from the Commonwealth Government, the private sector and the Australian Research Council.

Several research groups are located in the Department. The Programme in Monetary and Financial Economics is directed by Associate Professor Guay Lim. It is financed from funds provided by the National Australia Bank and other financial institutions. The Centre for Actuarial Studies is headed by Professor David Knox. GIO Australia finances a Professorial Fellowship in the Centre and additional funding comes from the Victorian Education Foundation. Dr Duncan Ironmonger and Professor Ross Williams lead a project on household time use which is financed predominantly by a three-year ARC grant.

10. Buildings and Resources

The Department is currently located on three floors of the Economics and Commerce building. A major extension of the building was completed in early 1995.

The Department has two UNIX servers, one for number crunching purposes with SAS, Mathematica, Gauss, RATS, Strata, TSP, FORTRAN, C and Pascal. The other server is used to serve email (eudora, pine, elm, etc), World Wide

Web and document editing (latex). An NT server serves for files and print sharing. Each academic member of staff is provided with an IBM compatible machine, most of which are pentium with Windows 3.11, Windows 95 and Windows NT Workstation. The PC's are networked. A range of mathematical and econometric package programs are available. Staff and full-time Ph.D student's hardware and software applications are reviewed annually in relation to upgrades. Staff have on-line access to the DX database of Australian Economic Statistics. A computer laboratory with 90 work stations is provided for student use.

The Giblin Research Library is located in the building. Working papers from the world's leading economics departments are held here.

11. External Relations

The Department maintains strong ties to business, particularly the banking and finance sector. The activities of the Programme in Monetary and Financial Economics are well supported by the private sector.

The Centre for Actuarial Studies which is located in the Department has close links with the Institute of Actuaries of Australia.

A number of academic staff in the Department are engaged as consultants to various government departments and agencies.

The Economic Record, the journal of the Economic Society of Australia, is edited within the Department.

Department Staff Profiles -1996

Professors

Head of Department and National Australia Bank Professor of Economics

McDONALD, IAN: BA(Hons) Leicester, MA Warwick, PhD Simon Fraser

Teaching/Coordinating Responsibilities: 316-201 Intermediate Macroeconomics

Research Interests: Macroeconomics, Labour Economics

Other Responsibilities: Head, Department of Economics

Professional Interests: Member, Key Learning Area Committee for Studies of the Society and Environment, Board of Studies, Victoria, Member, VCE Economics Test CAT Setting Panel, Associate Editor, Australian Economic Review.

Special Distinction: Fellow of Academy of the Social Sciences, Australia.

Truby Williams Professor

CREEDY, JOHN, BSc Bristol, BPhil Oxford

Teaching/Coordinating Responsibilities: 316-468 General Equilibrium and Welfare Economics, 316-475 Economics Research Essay, 316-304 Social Economics, 316-325 Development of Neoclassical Economics

Research Interests: Income Distribution, Public Economics, Labour Economics, History of Economic Analysis

Other Responsibilities: Member, Economics Departmental Committee

Professional Interests: Associate Editor: Bulletin of Economic Research, Associate Editor: Journal of The History of Economic Theory, Joint Editor: Australian Economic Review, Data Survey Editor: Australian Economic Review, Associate of Western Australia Labour Market Research Centre

Special Distinctions: Fellow of Academy of the Social Sciences, Australia.

Professor of Economics

FREEBAIRN, JOHN: BAg Ec New England, MAg Ec New England, PhD
University of California Davis

Teaching/Coordinating Responsibilities: 316-102 Introductory
Microeconomics, 316-327 Business Applications

Research Interests: Taxation reform, Labour economics, especially
employment, Infrastructure pricing and investment

Other Responsibilities: Deputy Head, Department of Economics, Member,
Economics Departmental Committee

Professional Interests: Applied economics

Special Distinctions: Fellow of Academy of the Social Sciences, Australia

Ritchie Professor of Economics

LLOYD, PETER: BA , Victoria University of Wellington, MA (Hons),
Victoria University of Wellington, PhD Duke,

Teaching/Coordinating Responsibilities: 302-601 Government and
International Trade and Investment, 316-630 International Trade and
Policy

Research Interests: Asian Economics, International Economics,
Microeconomic Theory

Other Responsibilities: Director, Asian Business Centre

Special Distinctions: Fellow of Academy of the Social Sciences, Australia
On secondment to IAESR for period 1/1/94 to 31/12/96

Professor of Econometrics, and Dean

WILLIAMS, ROSS: BCom Melbourne, MSc Economics London, PhD
London

Research Interests: Applied Econometrics, Time-Use by Households,
Economics of Education

Other Responsibilities: Member, Joint Committee on Policy, Editor,
Economic Record

Special Distinctions: Fellow of Academy of the Social Sciences, Australia

Readers/Associate Professors

DIXON, ROBERT: BEc(Hons) Monash, PhD Kent

Teaching/Coordinating Responsibilities: 316-101 Introductory Macroeconomics, 316-311 Marxian and Post Keynesian Economics, 316-451 Open Economy Macroeconomics, Coordination of PhD program

Research Interests: Macroeconomics, Industrial Economics, Marxian Economics, Regional Economics

Professional Interests: Associate Editor, Cambridge Journal of Economics, Associate Editor, International Review of Applied Economics.

BARDSLEY, PETER: B Sc (Hons) Australian National University, PhD Durham

Teaching/Coordinating Responsibilities: 316-613 Special Topics in Microeconomics (Masters Level)

Research Interests: Economic Theory, Mathematical Economics, Game Theory, Information and Strategic Behaviour, Organisational Design and Theory of the Firm, Theoretical Finance

BORLAND, JEFF: MA Melbourne, PhD Yale

Research Interests: The Distribution of Earnings and Income in Australia, Employment in Manufacturing Industry in Australia, Contract Theory, Theory of the Firm, Economics of Sport

Professional Interests: Associate Editor, Australian Economic Review.

On secondment to Centre for Economic Policy Research, Australian National University for period 1/1/96 to 31/12/98

DOWLING, MALCOLM: BA Pittsburgh, MA Pittsburgh, PhD Pittsburgh

Teaching/Coordinating Responsibilities: 316-320 Special Topics in Economics, 302-604 Asian Economies 1

Research Interests: Asian Economic Development, Economics of Altruism, Labour Migration

IRONMONGER, DUNCAN: MCom Cambridge, PhD Cambridge

Teaching/Coordinating Responsibilities: 316-635 Household Sector Economics, 136-626 Innovation, Technology and the Household Economy

Research Interests: Household Economics, Household Demography,

National, Accounts, Macroeconomics

Other Responsibilities: Director, Households Research Unit, Department of Economics, President of Council of St. Hilda's College, Trustee of Ronald Henderson Research Foundation

Professional Interests: Australian Representative, World Project LINK, Economic Consultant, Dun and Bradstreet International, Interviewer, Quality Control Australia

Associate Professor and Director of Program in Monetary and Financial Economics

LIM, GUAY C.: BEc(Hons) Adelaide, MEc Adelaide, PhD Australian National University

Teaching/Coordinating Responsibilities: 316-129 Business Statistics, 316-632 International Monetary Economics

Research Interests: Dynamics of Real and Nominal Exchange Rates, Term-Structure of Interest Rates, Stock Price Volatility

MacLAREN, DONALD: BSc Ag(Hons) Aberdeen, MS Cornell, PhD Cornell

Teaching/Coordinating Responsibilities: 316-202 Intermediate Microeconomics, 316-309 Agricultural Economics

Research Interests: Agricultural Trade Policy, Agriculture and the World Trade Organisation, The Structure of International Commodity Markets

Other Responsibilities: Associate Dean (Undergraduate Studies), Member, The University's CAUT Project Advisory Committee, Member, Teaching and Learning (Multimedia and Educational Technologies) Committee

Professional Interests: Member, International Agricultural Trade Research Consortium

MARTIN, VANCE: BEc(Hons) Monash, MEc Monash, BSc(Hons) Monash, PhD Monash

Teaching/Coordinating Responsibilities: 316-130 Quantitative Methods 1, 316-638 Macroeconometrics

Research Interests: Econometrics, Time Series Analysis, Monetary Economics, Macroeconomics

NORMAN, NEVILLE: MA, BCom(Hons) Melbourne, PhD Cambridge

Teaching/Coordinating Responsibilities: 316-362 International Economics, 316-305 Public Finance, 316-467 Issues in Microeconomic Analysis and Policy, 316-621 Economics of the Public Sector

Research Interests: Theory of Protection, Economics of Trade Practices, Tax Incidence, Health Economics

Other Responsibilities: Convenor, Faculty Oval Table, President, Friends of the Faculty of Music

Professional Interests: Media Economic Commentaries, Member, Business Council Economics Committee, Member, Editorial Board, Competition and Consumer Law Journal, Member, Committee for Economic Development of Australia, General Motors Australian Advisory Council, Investment Advisor, Transport Accident Commission of Victoria

Senior Lecturers

HIRSCHBERG, JOSEPH: BA Miami, MA University of California, PhD University of Southern California

Teaching/Coordinating Responsibilities: 316-352 Applied Econometrics, 316-352 Quantitative Business Analysis, 316-470 Econometric Techniques

Research Interests: Electricity Demand/Rates, Labor Discrimination, Demand Analysis, Cluster Analysis

LYE, JEANETTE: BA Canterbury, MA Canterbury, PhD Canterbury

Research Interests: Non normal distributions, Applications of Multimodality, Modelling of Exchange Rates, Theory and Application of Non Linear Models, General Applied Econometrics

Special Distinction: New Zealand Association of Economists (Inc.) Young Economist Prize (1987)

On maternity leave

SMITH, RHONDA: BCom (Hons), MA Melbourne

Research Interests: Industrial Organisation/Industry Economics, Trade Practices, Agricultural Economics, Demography

On secondment to Australian Competition and Consumer Council

STEMP, PETER: BA(Hons) Australian National University, PhD
Australian National University

Teaching/Coordinating Responsibilities: 316-306 Money and Banking, 316-351 Economics of Financial Markets, 316-644 Dynamic Techniques in Macroeconomics, Coordinator of 316-626 Master's Research Report Coordinator, Master's Programme in Economics, Postgraduate Diploma in Economics

Research Interests: Macroeconomics, Monetary Economics, Economic Policy Issues

Other Responsibilities: President, Victorian Branch of the Economic Society, Member, Economics Departmental Committee, Member, Faculty Graduate Studies Committee, Member, Publications Committee of the Economics Society of Australia

Lecturers

ALDEN, DAVID: BA(Hons) Keele, MSc, University of Manchester
Institute of Science and Technology, PhD Keele

Teaching/Coordinating Responsibilities: 316-642 Ecological Economics, 316-324 Environmental Economics, 316-103 Microeconomics for Bed, 316-206 Quantitative Methods 2

Research Interests: Environmental Economics, Ecological Economics, Global Warming and World Agriculture, Trade Liberalization and World Agriculture

CASHIN, PAUL: BCom(Hons) Melbourne, MSc Agr Melbourne, PhD
Yale

Teaching/Coordinating Responsibilities: 316-302 Economic Development, 316-805 Diploma Macroeconomics

Research Interests: International Finance, Macroeconomics, Economic Development

Professional Interests: Committee Member, Australian Agricultural and Resource Economics Society (Victoria)

GUNTHER, ALAN: MA Cambridge, BCom Melbourne

Teaching/Coordinating Responsibilities: 316-303 Industrial Economics, 316-802 Introduction to Public Sector Economics

Research Interests: Applied Industrial Economics, Foreign Investment Policy

Professional Interests: Curriculum Adviser, Association of Professional Engineers, Scientists and Managers, Australia

OLAN HENRY: BA(Hons.) Dublin, MA Reading, PhD Reading

Teaching & Coordinating Responsibilities: 316-351 Economics of the Financial Markets, 316-469 Financial Economics

Research Interests: Econometric Modelling and Forecasting of Asset Market Volatility, Term Structure Modelling

HYDE, CHARLES: BSc Western Australia, MS University of California Berkeley, PhD University of California Berkeley

Teaching/Coordinating Responsibilities: 316-323 Privatisation and Regulation, 316-450 Game Theory and Information Economics, 316-616 Industrial Organization

Research Interests: Microeconomic Theory, Contract Theory, Industrial Organization, Environmental Economics

JOHNSTON, CAROL: B.Com Melbourne, BEd Melbourne, MEd Melbourne

Teaching/Coordinating Responsibilities: 316-102 Introductory Microeconomics, 316-367 Social Economics, 316-206 Quantitative Methods 2 and 316-201 Intermediate Macroeconomics

Research Interests: Economics Education, Organisational Learning

Other Responsibilities: Monitoring and training of tutorial staff and the conduct of tutorials in the Department of Economics, Monitoring of students in the B.Ed and B. Business Studies who are completing subjects in the Department, Editor, EconoChat, Member, Quality of Teaching Committee, Member, Faculty of Education Board, Member, Deputy Vice Chancellor's working party on Tutorial Improvement

OLEKALNS, NILSS: BEc(Hons) Adelaide, MEc Australian National University, MA West Ontario, PhD La Trobe University

Teaching/Coordinating Responsibilities: 316-206 Quantitative Methods 2, 316-462 Public Economics

Research Interests: Macroeconomics, Applied Econometrics

Other Responsibilities: Member, Economics Departmental Committee

SHERSTYUK, KATERINA: BS Novosibirsk, MS California Institute of Technology, PhD California Institute of Technology

Teaching/Coordinating Responsibilities: 316-313 Microeconomics, 316-611 Microeconomics

Research Interests: Informational Economics, Mechanism Design, Organizations, Experimental Economics

THOMSON, JAMES: BSc(Hons) Tasmania, MEc. Australian National University, PhD Harvard

Teaching/Coordinating Responsibilities: 316-207 Mathematical Economics, 316-612 Macroeconomics, 316-466 Monetar Economics

Research Interests: Macroeconomics

WORSWICK, CHRISTOPHER: BA(Hons.) Queens, MA University of British Columbia, PhD University of British Columbia

Teaching/Coordinating Responsibilities: 316-307 Labour Economics, 316-636 Advanced Econometric Techniques, 316-804 Diploma Microeconomics

Research Interests: Labour Economics, Development Economics, Applied Econometrics

WU, PING: BSc Kyoto, PhD Monash

Teaching/Coordinating Responsibilities: 316-317 Econometrics, 316-350 Time Series Analysis and Forecasting, 316-449 Financial Econometrics

Research Interests: Hypothesis testing in Econometrics, Time Series Models

ZHANG, XIAO-GUANG: BEc People's University of China, MEc People's University of China, MEc Development Australian National University, PhD Australian National University

Teaching/Coordinating Responsibilities: 316-301 International Economics, 316-319 Economic Development of East Asia, 316-634 Economic Growth and Development

Research Interests: Trade Theory and Policy, Computable general equilibrium modelling, Chinese economic reform and development, East Asian economic development, Development economics

CENTRE FOR ACTUARIAL STUDIES TEACHING AND RESEARCH STAFF

Director and Professor of Actuarial Studies

KNOX, DAVID: BA Macquarie, PhD Macquarie, FIA, FIAA

Teaching/Coordinating Responsibilities: 300-101 Actuarial Studies 1, 300-410 The Actuarial Control Cycle 1, 300-411 The Actuarial Control Cycle 2

Research Interests: Superannuation and Pensions, Saving and Taxation over the Life Cycle, The Investments of Superannuation Funds, Education of Actuarial Students

Other Responsibilities: Director, Centre for Actuarial Studies, Associate Dean (Budget and Resources), Faculty of Economics and Commerce, Deputy Dean, Faculty of Economics and Commerce

Professional Interests: Member, Institute of Actuaries of Australia, Member, Education Management Committee, Institute of Actuaries of Australia, Member, Exemption Committee, Institute of Actuaries of Australia, Member, Retirement Income Policy Committee, Institute of Actuaries of Australia, Member, Awards and Prizes Committee, Institute of Actuaries of Australia

GIO Professorial Fellow in Insurance

ZEHNWIRTH, BEN: BSc(Hons) Melbourne, MSc Melbourne, PhD Melbourne

Teaching/Coordinating Responsibilities: 300-304/604 Risk Theory

Research Interests: Claims Reserving Techniques and Software, Premium Rating, Claims Distribution

Senior Lecturer

DICKSON, DAVID: BSc(Hons) Heriot-Watt, PhD Heriot-Watt, FFA, AIAA

Teaching/Coordinating Responsibilities: 300-311 Life Insurance Mathematics, 300-304 Risk Theory, 300-400 Honours Research Essay, 300-403 Advanced Risk Theory

Research Interests: Aggregate claims distributions, Ruin theory, Actuarial studies

Other Responsibilities: Member, Undergraduate Studies Committee, Faculty of Economics and Commerce

Lecturers

ATKINSON, MARGARET: BA(Hons) York, MPhil York

Teaching/Coordinating Responsibilities: 300-101 Actuarial Studies 1, 300-203 Mathematics in the Financial World

Research Interests: Construction of LITES, a microsimulation model for superannuation and taxation structures, Taxation and superannuation in Australia: a simulation analysis, Actuarial studies

Professional Interests: Actuarial Education

WELCH, DES: BSc(Hons) Melbourne, FIA, FIAA

Teaching/Coordinating Responsibilities: 300-302 Actuarial Statistics, 300-310 Actuarial Principles

Research Interests: Group Insurances, Life Insurance and Superannuation, Actuarial Studies

Professional Interests: Member, Professional Standards Committee, Institute of Actuaries of Australia, Member, Resilience Working Group - Life Insurance Practice Committee, Institute of Actuaries of Australia.

Departmental Administrative Staff

Millerick, Cherie: BA(Sydney), *Position:* Departmental Manager

Barclay, Libby: B.Bus(Deakin), *Position:* Coordinator
Administrative Services

Bennett, Karen: B.Arch(RMIT), *Position:* Coordinator Academic
Services

Tran, Quy: B.App. Sci(Chisholm), *Position:* System Support
Coordinator

Dang, Jim: B.Ac, BComp (Monash), *Position:* System Support Officer

Newell, Colin: BA(Deakin), *Position:* Assistant to Head of
Department

Parissi, Rosanna: BA(VUT), *Position:* General Office Supervisor

Lombardo, Rosemary: *Position:* Administrative Assistant

Lochran, Margaret: *Position:* Administrative Assistant
for the PMFE Program

Cornish, Kathy: *Position:* Administrative
Coordinator in the Centre for
Actuarial Studies

Visitors to the Department in 1996

Professor Stephen G. Cecchetti, Ohio State University, USA, 21 June to 5 August

Dr Mark Crosby, University of NSW, 1 July 1996 to 28 February 1997

Dr Daniel Dufresne, University of Montreal, Canada, July

Dr Jurgen Eichberger, Universitat des Saalandes, Germany, 30 July to 31 August

Dr Max Gillman, University of Otago, New Zealand, January to June

Dr Paul Johnson - Dowling Fellow, London School of Economics, England, 8 July to 13 September

Dr John Kennedy, La Trobe University, 1 July to 31 December

Dr Angus MacDonald, Heriot-Watt University, Scotland, 20 May to 24 May

Mr Peter Martin - Journalist in Residence, Australian Broadcasting Commission, 29 July to 2 August

Professor Albert Schweinberger, Universitat Konstanz, Germany, 20 July to 21 September

Professor Howard Waters, Heriot-Watt University, Scotland, 26 November to 6 December

Publications

Books

- Creedy, J., (1996). *Fiscal policy and social welfare: an analysis of alternative tax and transfer systems*. 271pp. Aldershot, UK: Edward Elgar.
- Creedy, J., (1996). *General equilibrium and welfare*. 176pp. Aldershot, UK: Edward Elgar.
- Creedy, J. and Alvarado, J., (1996). *Migration, population ageing and social expenditure in Australia*. 66pp. Canberra: Department of Immigration and Multicultural Affairs.
- Creedy, J., Baker, M. and Johnson, D., (1996). *Financing and effects of internationalisation in higher education: an Australian case study*. 153pp. Canberra: Australian Government Printing Service.
- Dowling, J. M. and Quibria, M. J., (1996). *Current issues in economic development: an Asian perspective*. XIX + 409. Oxford and Hong Kong: Oxford University Press.
- Kenyon, P., Wilson, K., Wallis, K., Anderson, M. and Alden, D. M., (1996). *Employment potential of new and emerging industries with special reference to the environment and community sectors, commissioned report No. 53*. 195pp. Canberra: Australian Government Publishing Service.
- McConnell, J., Nailon, K. and Johnston, C. G., (1996). *Economic activity: objectives and management of the Australian economy*. 452pp. South Melbourne: MacMillan.
- Stemp, P. J. and Milne-Pott, J., (1996). *Australian readings in monetary and financial economics*. xiv+415pp. Melbourne: Longman.

Chapters in Books

- Atkinson, M. E. and Creedy, J., (1996). The choice of early retirement age and the Australian superannuation system. D. o. S. Security (Eds) *Early Retirement Seminar*, 161-193, Canberra, Australian Government Printing Service.
- Borland, J. I. and Norris, K., (1996). Equity. K. Norris and M. Wooden

- (Eds) *The changing Australian labour market*, 87-106, Canberra, Australian Government Printing Service.
- Creedy, J., (1996). Measuring income inequality and tax progressivity: an introduction. I. Commission (Eds) *Equity, efficiency and welfare comparisons*, 161-187, Melbourne, Industry Commission.
- Dowling, J. M. and Castillo, C. N., (1996). Recent economic developments in South East Asia. D. Singh and L. T. Kiat (Eds) *Southeast Asian Affairs*, 21-39, Singapore, Institute of South East Asian Studies.
- Dowling, J. M. and Rao, N., (1996). External capital flows and policy challenges in the ASEAN economies: challenges and responses. C. S. Yue and J. L. H. Tam (Eds) *ASEAN in the WTO*, xiv+209, Singapore, Institute of South East Asian Studies.
- Freebairn, J. W., (1996). Some arguments pro and con a flatter personal income tax: Australia as a case study. J. G. Head and R. Krever (Eds) *Tax units and the tax rate scale*, 143-162, Melbourne, Australian Tax Research Foundation.
- Freebairn, J. W., (1996). Some strengths and weaknesses of the compulsory superannuation scheme. J. Disney and R. Krever (Eds) *Superannuation, savings and taxation*, 43-60, Canberra, Centre for International and Public Law, ANU.
- Freebairn, J. W., (1996). A more effective labour exchange system. P. Sheehan, B. Grewal and M. Kumnick (Eds) *Dialogues on Australia's future*, 103-112, Melbourne, Centre for Strategic Economic Studies, Victoria University.
- Henderson, D. R., Hirschberg, J. G. and Voros, P., (1996). Industrial determinants of international trade and foreign investment by food and beverage manufacturing firms. I. Sheldon and P. Abbot (Eds) *Industrial organisation and trade in the food industries*, 197-215, Boulder, Co., USA, Westview Press.
- Hirschberg, J. G. and Dayton, J. R., (1996). Detailed patterns of intra-industry trade in processed food. I. Sheldon and P. Abbot (Eds) *Industrial organisation and trade in the food industries*, 141-159, Boulder, Co., USA, Westview Press.
- Knox, D. M., (1996). Reform of the Australian income system. J. Disney and R. Krever (Eds) *Superannuation, savings and taxation*, 95-108, Canberra, Centre for International and Public Law, A.N.U.

- Lim, G. C., (1996). A note on estimating dynamic economic models of the real exchange rate. J. L. Stein (Eds) *The globalization of markets: capital flows, exchange rates and trade*, 57-62, Europe, Springer-Verlag.
- MacLaren, D., (1996). An evaluation of the Cairns Group strategies for agriculture in the Uruguay Round. T. W. Hertel (Eds) *Global trade analysis: modelling and applications*, 212-234, Cambridge, UK, Cambridge University Press.
- Stemp, P. J. and Scarth, W. M., (1996). The choice of fiscal policy settings under alternative inflation targets. L. Vlacic, T. Nguyen and D. Cecez-Kecmanovic (Eds) *Modelling and control of national and regional economies. A postprint volume from the IFAC symposium. Gold Coast, Queensland, 2-5 July 1995*, 403-408, Queensland, Pergamon Press.

Refereed Journal Articles

- Aitken, C. and Ironmonger, D. S., (1996). Impacts of the domestic microwave oven. *Prometheus*, 14, (2): 168-178.
- Atkinson, M. E. and Creedy, J., (1996). Modelling optimal retirement decisions in Australia. *Australian Economic Papers*, 35, 39-95.
- Atkinson, M. E., Creedy, J. and Knox, D. M., (1996). Alternative retirement income strategies: a cohort analysis of lifetime redistribution. *Economic Record*, 72, (217): 97-106.
- Bardsley, P., (1996). Simplifying the tax law. *Australian Tax Forum*, 13, (1): 1-17.
- Bardsley, P., Daniel, P. and Wilcox, C., (1996). A spatial equilibrium model of the Australian dairy industry. *National Economic Review*, 35, 1-15.
- Bardsley, P. and Olekalns, N., (1996). Wool price variability in the long run. *Australian Journal of Agricultural Economics*, 40, (1): 51-62.
- Barkham, R., Henry, O. T. J. and Ward, C., (1996). The inflation hedging characteristics of property and property securities in the United Kingdom. *Journal of Property and Finance*, 7, (1): 62-76.
- Borland, J. I., (1996). Union effects on earnings dispersion in Australia, 1986-1994. *British Journal of Industrial Relations*, 34, (2): 237-248.

- Borland, J. I., (1996). Job creation and job destruction in manufacturing industry in Australia. *Economic Record*, 72, (216): 46-62.
- Borland, J. I., (1996). Education and the structure of earnings in Australia. *The Economic Record*, 72, (219): 370-379.
- Borland, J. I. and Foo, L., (1996). The composition of employment in manufacturing industry. *Journal of Industrial Relations*, 38, (3): 442-466.
- Borland, J. I. and Lye, J. N., (1996). Matching and mobility in the Australian market for Australian Rules football coaches. *Industrial and Labour Relations Review*, 50, (Number 1): 143-158.
- Borland, J. I. and Reed, T., (1996). Withdrawal from joint venture agreements. *Australian Economic Papers*, 35, (1): 20-38.
- Borland, J. I. and Wilkins, R., (1996). Earnings inequality in Australia. *Economic Record*, 72, (1): 7-23.
- Cashin, P. A. and Sahay, R., (1996). Regional economic growth and convergence in India. *Finance and Development*, 33, (1): 49-52.
- Cashin, P. A. and Sahay, R., (1996). Internal migration, center-state grants and economic growth in the states of India. *IMF Staff Papers*, 43, (1): 123-171.
- Creedy, J., (1996). Comparing tax and transfer systems: poverty, inequality and target efficiency. *Economica*, 63, (1): 163-174.
- Creedy, J., (1996). Income and commodity taxes in a two-good, two-period model with heterogenous preferences. *Journal of Economic Studies*, 23, (1): 3-17.
- Creedy, J., (1996). Measuring income inequality. *Australian Economic Review*, (2): 236-246.
- Creedy, J. and Cornwell, A., (1996). Carbon taxation, prices and inequality in Australia. *Fiscal Studies*, 17, (3): 21-38.
- Creedy, J. and Cornwell, A., (1996). A carbon tax for Australia. *Economic Papers*, 14, (4): 16-28.
- Creedy, J. and Cornwell, A., (1996). The distributional impact of fuel taxation. *Economic Analysis and Policy*, 26, (2): 129-143.
- Creedy, J., Lye, J. N. and Martin, V. L., (1996). A non-linear model of the real US/UK exchange rate. *Journal of Applied Econometrics*, 11, 669-686.

- Creedy, J. and Morgan, M., (1996). Policy trade-offs in alternative tax and pension systems. *Australian Economic Papers*, 34, 332-344.
- Dickson, D. C. M. and Egidio dos Reis, A. D., (1996). On the distribution of the duration of negative surplus. *Scandinavian Actuarial Journal*, 1996, (2): 148-164.
- Dickson, D. C. M. and Waters, H. R., (1996). Ruin problems: simulation or calculation? *British Actuarial Journal*, 2, (III): 727-740.
- Dickson, D. C. M. and Waters, H. R., (1996). Reinsurance and ruin. *Insurance: Mathematics and Economics*, 19, 61-80.
- Dixon, R. J., (1996). Inter-industry transactions and input-output analysis. *Australian Economic Review*, (3): 327-336.
- Eichberger, J. and Kelsey, D., (1996). Uncertainty aversion and dynamic consistency. *International Economic Review*, 37, 625-640.
- Eichberger, J. and Kelsey, D., (1996). Uncertainty aversion and preference for randomisation. *Journal of Economic Theory*, 71, 31-43.
- Hyde, C. E., (1996). Crop insurance: the relationship between indemnity price and expected output price. *Journal of Agricultural Economics*, 47, (2): 236-246.
- Ironmonger, D. S., (1996). Counting outputs, capital inputs and caring labour: estimating gross household product. *Feminist Economics*, 2, (3): 37-64.
- Ironmonger, D. S., (1996). Priorities for research on nonmarket work. *Feminist Economics*, 2, (3): 149-152.
- Knox, D. M., (1996). Contemporary issues in the ongoing reform of the Australian retirement income system. *Australian Economic Review*, 1996, (2): 199-210.
- Lim, G. C., (1996). Determinants of long term changes in the real exchange rate. *Journal of Applied Finance and Investment*, 1, (1): 59-64.
- Lim, G. C., (1996). On estimating dynamic models of the real exchange rate. *Journal of International and Comparative Economics*, 20, (2/3): 141-146.
- McDonald, I. M., (1996). The optimal level and disposition of saving and the mix of monetary and fiscal policy in Intermediate Macroeconomics. *Journal of Economic Education*, 27, (Spring): 170-192.
- Norman, N. R., (1996). A general post Keynesian theory of protection. *Journal of Post Keynesian Economics*, 18, (4): 509-531.

- Olekalns, N., (1996). Further evidence on the Fisher Effect. *Applied Economics*, 28, (7): 851-856.
- Olekalns, N., (1996). Some further evidence on the long-run neutrality of money. *Economics Letters*, 50, 393-398.
- Olekalns, N., (1996). Does seasonal adjustment distort tests of stationarity? Some small sample evidence. *Applied Financial Economics*, 6, 531-534.
- Olekalns, N. and Bardsley, P., (1996). Rational addiction to caffeine: an analysis of coffee consumption. *Journal of Political Economy*, 104, (5): 1100-1104.
- Smith, R. L. and Norman, N. R., (1996). Functional market definition. *Competition and Consumer Law Journal*, 4, (1): 1-14.
- Stemp, P. J., (1996). The role of monetary policy in Australia: a minimalist approach. *Australian Economic Review*, 1st Quarter, 1996, (1st Quarter): 10-28.
- Vercammen, J. A., Fulton, M. and Hyde, C. E., (1996). Non-linear pricing schemes for agricultural co-operatives. *American Journal of Agricultural Economics*, 78, (3): 572-584.
- Worswick, C. J., (1996). Immigrant families in the Canadian labour market. *Canadian Public Policy*, 22, (4): 378-396.
- Wu, P. X. and Crato, N., (1996). New tests for stationarity and parity reversion: evidence on New Zealand real exchange rates. *Empirical Economics*, 20, 599-613.
- Wu, P. X. and King, M. L., (1996). Small-sample power of tests for inequality restrictions: the case of quarter-dependent regression errors. *Economics Letters*, 52, (2): 211-217.

Other Journal Contributions

- Atkinson, M. E., (1996). The Australian government superannuation co-contribution: analysis and comparison. *Quarterly Journal of The Institute of Actuaries of Australia*, (December): 75-114.
- Atkinson, M. E. and Creedy, J., (1996). Why people choose early retirement. *Superfunds*, (October 1996 Edition no 197): 44-46.
- Atkinson, M. E. and Creedy, J., (1996). Early retirement and the Australian superannuation system. *Quarterly Journal of The Institute of Actuaries of Australia*, (December): 59-74.

- Creedy, J., (1996). F. Y. Edgeworth: Writings in Probability, Statistics and Economics 1-3 by Charles R. McCann Jr. *The Economic Record*, 72, (219): 402-404.
- Dixon, R. J., (1996). A list of selected internet resources for secondary school teachers of economics: an update. *Econochat*, June, (6): 2-5.
- Dixon, R. J., (1996). A list of selected internet resources for secondary school teachers of economics. *Econochat*, February, (5): 3-6.
- Dixon, R. J., (1996). A list of selected internet resources for secondary school teachers of economics. *Com Pak*, (6): 58-61.
- Dowling, M. J., (1996). Savings! The key to economic growth. *Econochat*, June, (6): 6-7.
- Freebairn, J. W., (1996). Evaluating charges for rail freight transport. *Econochat*, June, (6): 8-10.
- Hyde, C. E., (1996). Microeconomic theory, by A. Mas Coller, M. Whinston and J. Green. *Economic Record*, 72, (217): 181-182.
- McDonald, I. M., (1996). Cutting the budget deficit. *Econochat*, 6, (June): 13-15.
- McDonald, I. M., (1996). Studying economics at the University of Melbourne. *Econochat*, 5, (February): 2.
- McDonald, I. M., (1996). Australia's foreign debt. *Econochat*, 5, (February): 7-8.
- Norman, N. R., (1996). The Australian economy. The essential guide, editor Peter Kreisler. *Economic Record*, 72, (March): 83-84.
- Perkins, J. O. N., (1996). Budget deficits and macroeconomic policy. *Econochat*, February, (5): 12-13.
- Sherstyuk, K. V., (1996). The handbook of experimental economics by Kagel and Roths (editors). *The Economic Record*, 72, (216): 87-88.
- Stemp, P. J., (1996). Legislating an inflation target. *Policy*, 11, (Summer 1995-1996): 28-33.
- Stemp, P. J., (1996). Making monetary policy work in practice. *Econochat*, February, (5): 9-11.
- Welch, D. and Ferris, S., (1996). A survey of valuation assumptions and funding methods used by Australian actuaries in defined benefit superannuation fund valuations. *Quarterly Journal of the Institute of Actuaries of Australia*, (September 1996): 73-89.

Wilkins, N., (1996). Economic statistics and econometrics: third edition by Thad W. Mirer. *The Economic Record*, 72, (219): 400-401.

Zhang, X.-G., (1996). Chinese economy in transition, edited by Y. Wu and X. Zhang. *The Economic Record*, 71, (212): 113-114.

Research Papers

Adems, P., Horridge, M. and Zhang, X.-G., 1996. Effect on China of APEC trade liberalisation. (*China Resurgent Asia's New Economic Superpower? East Asia Analytical Unit, DFAT*) 40.

Agenor, P.-R., Bismut, C., Cashin, P. A. and McDermott, C. J., 1996. Consumption smoothing and the current account: evidence for France, 1970-94. (*The University of Melbourne, Department of Economics, Research Paper No. 518*): 19.

Alden, D. M., 1996. Markets in natural heritage health management. (*The University of Melbourne, Department of Economics, Research Paper No. 507*): 15.

Alden, D. M., Proops, J. L. R. and Gay, P. W., 1996. Industrial hemp's double dividend: a study for the USA. (*The University of Melbourne, Department of Economics, Research Paper No. 528*): 26.

Alvarado, J. and Creedy, J., 1996. Social expenditure projections for Australia: supplementary data. (*The University of Melbourne, Department of Economics, Research Paper No. 509*): 29.

Amiel, Y., Creedy, J. and Hurn, A. S., 1996. Measuring inequality aversion. (*The University of Melbourne, Department of Economics, Research Paper No. 508*): 14.

Asher, A., 1996. Effective and ethical institutional investment. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 32*): 50.

Atkinson, M. E., 1996. The Australian government superannuation co-contributions: analysis and comparison. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 28*): 31.

Atkinson, M. E. and Creedy, J., 1996. The choice of early retirement age and the Australian superannuation system. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 26*): 47.

- Atkinson, M. E. and Creedy, J., 1996. The choice of early retirement age and the Australian superannuation system. (*The University of Melbourne, Department of Economics, Research Paper No. 503*): 42.
- Atkinson, M. E., Creedy, J. and Knox, D. M., 1996. Alternative retirement income arrangements and lifetime income inequality: lessons from Australia. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No. 43*): 21.
- Bakker, A., 1996. The stationary distribution of an autonomous Ito process. (*The University of Melbourne, Department of Economics, Research Paper No. 510*): 23.
- Bakker, A. and Creedy, J., 1996. The changing distribution of income with age: estimates of the exponential family using grouped data. (*The University of Melbourne, Department of Economics, Research Paper No. 524*): 28.
- Bardsley, P., 1996. Sovereign debt and the choice of production technique. (*La Trobe University, School of Economics, Discussion Paper. (96/01)*): 17.
- Borland, J. I., Hirschberg, J. G. and Lye, J. N., 1996. Earnings of public sector and private sector employees In Australia: is there a difference? (*The University of Melbourne, Department of Economics, Research Paper No. 514*): 67.
- Cardak, B., 1996. Distributional implications of public and private investment in human capital: a comparative analysis. (*The University of Melbourne, Department of Economics, Research Paper No. 512*): 29.
- Cashin, P. A. and McDermott, C. J., 1996. Are Australia's current account deficits excessive? (*International Monetary Fund, Working Paper No 96/85*): 23.
- Cashin, P. A. and McDermott, C. J., 1996. Are Australia's current account deficits excessive? (*The University of Melbourne, Department of Economics, Research Paper No. 533*): 24.
- Creedy, J., 1996. Poverty, labour supply and welfare when utility depends on a poverty level. (*The University of Melbourne, Department of Economics, Research Paper No. 535*): 25.
- Creedy, J., 1996. Measuring the welfare effects of price changes: a convenient parametric approach. (*The University of Melbourne, Department of Economics, Research Paper No. 536*): 34.

- Creedy, J., 1996. Income dynamics over the life cycle: new evidence for New Zealand. (*The University of Melbourne, Department of Economics, Research Paper No. 511*): 36.
- Creedy, J., 1996. Poverty and inequality comparisons of alternative tax structures. (*The University of Melbourne, Department of Economics, Research Paper No. 520*): 29.
- Creedy, J., Johnson, D. and Baker, M., 1996. The costs of overseas students in Australia. (*The University of Melbourne, Department of Economics, Research Paper No. 540*): 21.
- Creedy, J. and Van de Ven, J., 1996. The distributional effects of inflation in Australia 1980-1995. (*The University of Melbourne, Department of Economics, Research Paper No. 537*): 17.
- Crosby, M. and Olekalns, N., 1996. Inflation, unemployment and the NAIRU in Australia. (*The University of Melbourne, Department of Economics, Research Paper No. 543*): 13.
- Decker, C., 1996. Economics development and income inequality: a re-examination of Kuznets's law. (*The University of Melbourne, Department of Economics, Research Paper No. 532*): 32.
- Dickson, D. C. M. and Egidio dos Reis, A. D., 1996. The effects of interest on negative surplus. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 30*): 24.
- Dickson, D. C. M. and Waters, H. R., 1996. Relative reinsurance retention levels. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 36*): 23.
- Dickson, D. C. M. and Zehnwrith, B., 1996. Predictive aggregate claims distributions. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 27*): 23.
- Dixon, R. J., 1996. Apparent asymmetries in the relationship between the participation rate and the employment rate in Australia. (*The University of Melbourne, Department of Economics, Research Paper No. 522*): 12.
- Dixon, R. J., 1996. Keynes's macro theory of profits. (*The University of Melbourne, Department of Economics, Research Paper No. 501*): 12.
- Dixon, R. J., Gunther, A. W. and Mahmood, M., 1996. Estimates of the cost of monopoly in Australian manufacturing. (*The University of Melbourne, Department of Economics, Research Paper No. 525*): 35.

- Freebairn, J. W., 1996. Consumption taxation of wine. (*University of Western Australia, Department of Economics, Research Paper No 96:09*): 1-22.
- Fung, J., 1996. Research and development expenditure: an examination of the determinants for Australian public enterprises. (*The University of Melbourne, Department of Economics, Research Paper No. 541*): 24.
- Gillman, M., 1996. Optimality of exchange credit restrictions. (*The University of Melbourne, Department of Economics, Research Paper No. 519*): 35.
- Gillman, M., 1996. Price stability as optimal policy: costly nominal adjustment in general equilibrium. (*The University of Melbourne, Department of Economics, Research Paper No. 516*): 32.
- Gillman, M., Siklos, P. L. and Silver, J. L., 1996. Money velocity with costly credit. (*The University of Melbourne, Department of Economics, Research Paper No. 515*): 36.
- Guest, R. S. and McDonald, I. M., 1996. The socially optimal level of saving in Australia, 1960-61 to 1994-95. (*The University of Melbourne, Department of Economics, Research Paper No. 526*): 53.
- Harding, G., Garlick, J.-L. and Baker, M., 1996. Life after graduation - our 94 graduates in 95. (*The University of Melbourne, Institute of Applied Economic and Social Research, Report*): 108.
- Hirschberg, J. G., 1996. Modelling time of day substitution using the second moments of demand. (*The University of Melbourne, Department of Economics, Research Paper No. 506*): 21.
- Hurn, A. S. and Lindsay, K. A., 1996. Time series evidence of global warming. (*The University of Melbourne, Department of Economics, Research Paper No. 502*): 13.
- Hyde, C. E., 1996. On the existence of haggling and posted prices in the presence of shoppers. (*The University of Melbourne, Department of Economics, Research Paper No. 513*): 23.
- Hyde, C. E. and Perloff, J. M., 1996. Multimarket power estimation: the Australian retail meat sector. (*The University of Melbourne, Department of Economics, Research Paper No. 517*): 25.

- Johnson, C. G., James, R. H. and McDonald, I. M., 1996. An evaluation of the effectiveness of collaborative problem-solving for learning economics. (*The University of Melbourne, Department of Economics, Research Paper No. 534*): 29.
- Knox, D. M., 1996. Video conferencing in Actuarial Studies - a three year case study. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 42*): 11.
- Lim, G. C. and McNelis, P. D., 1996. Stock price fluctuations in Australia: the influence of Japanese and U.S. markets. (*The University of Melbourne, Department of Economics, Research Paper No. 505*): 31.
- Lye, J. N., McDonald, I. M. and Sibly, H., 1996. Insiders, non-market activity and unemployment. (*The University of Melbourne, Department of Economics, Research Paper No. 530*): 40.
- McDonald, I. M., 1996. A Kaldorian model of the trade cycle. (*The University of Melbourne, Department of Economics, Research Paper No. 529*): 51.
- McDonald, J. T. and Worswick, C. J., 1996. Unemployment incidence of immigrants over the business cycle. (*The University of Melbourne, Department of Economics, Research Paper No. 523*): 26.
- McDonald, J. T. and Worswick, C. J., 1996. Macroeconomic conditions and the earnings assimilation of immigrants. (*The University of Melbourne, Department of Economics, Research Paper No. 542*): 30.
- Miner, W., Josling, T. E., MacLaren, D. and Tangermann, S., 1996. *Agriculture and the World Trade Organisation: preparing for the Singapore ministerial meeting*. 49.
- Miner, W., Josling, T. E., MacLaren, D. and Tangermann, S., 1996. *The international trade policy environment for Western Canadian Grains*. 111 + Appendices.
- Olekalns, N., 1996. Australian evidence on tax smoothing and the optimal budget surplus. (*The University of Melbourne, Department of Economics, Research Paper No. 538*): 23.
- Olekalns, N. and Wilkins, N., 1996. Re-examining the evidence for long-run purchasing power parity. (*The University of Melbourne, Department of Economics, Research Paper No. 531*): 9.

- Pagan, A. R. and Martin, V. L., 1996. Simulation based estimation of some factor models in econometrics. (*The University of Melbourne, Department of Economics, Research Paper No. 521*): 39.
- Sherris, M., Tedesco, L. and Zehnwirth, B., 1996. Stochastic investment models: unit roots, cointegration, state space and Garch models for Australia. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 33*): 50.
- Sherstyuk, K. V., 1996. Multisided matching games. (*The University of Melbourne, Department of Economics, Research Paper No. 544*): 24.
- Shuttleworth, D., Brown, A., Harris, G., Schwerkolt, R., Sherris, M., Vincent, B. & Welch, D. W., 1996. The application of stochastic asset liability modelling to resilience reserving in life insurance: progress report by the Resilience Working Group of the Life Insurance Practice Committee. *Sessional meeting, March/April 1996, The Institute of Actuaries of Australia*. 29.
- Stemp, P. J. and Scarth, W. M., 1996. Zero inflation targets: central bank commitment and fiscal policy outcomes. (*The University of Melbourne, Department of Economics, Research Paper No. 527*): 15.
- Taylor, G., 1996. Smoothness criteria for multi-dimensional Whittaker graduation. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 37*): 22.
- Taylor, G., 1996. Reserving consecutive layers of inwards excess-of-loss reinsurance. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 31*): 32.
- Taylor, G., 1996. Geographic premium rating by Whittaker spatial smoothing. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 38*): 21.
- Taylor, G., 1996. Risk, capital and profit in insurance. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 39*): 37.
- Taylor, G., 1996. Setting a bonus-Malus scale in the presence of other rating factors. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 40*): 14.
- Welch, D. W. and Ferris, S., 1996. A survey of valuation assumptions and funding methods used by Australian actuaries in defined benefit

- superannuation fund valuations. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 29*): 33.
- Worswick, C. J., 1996. Immigrant families in the Canadian labour market. (*The University of Melbourne, Department of Economics, Research Paper No. 504*): 29.
- Wu, P. X. and Shiguang, M., 1996. A study of the price and volume relationship in the China stock exchange. (*The University of Melbourne, Asian Business Centre, Working Paper No 2/96*): 25.
- Zehnwirth, B., 1996. Calculations and diagnostics for link ration techniques. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 41*): 59.
- Zehnwirth, B., 1996. Three powerful diagnostic models for loss reserving. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 34*): 39.
- Zehnwirth, B., 1996. Kalman filters with applications to loss reserving. (*The University of Melbourne, Centre for Actuarial Studies, Research Paper No 35*): 59.
- Zhang, X.-G., 1996. The growth and structural changes in the Chinese economy: 1996-2000: forecasts from a general equilibrium model. (*The University of Melbourne, Asian Business Centre, Working Paper Series No. 8/96*): 30.
- Zhang, X.-G., 1996. A dynamic computable general equilibrium model of the Chinese economy. (*The University of Melbourne, Department of Economics, Research Paper No. 539*): 43.

Research Grants obtained or received in 1996

Australian Research Council Large Grants Scheme

- Creedy, J., Knox, D. M. and Atkinson, M. E. Retirement income provision in Australia: lifetime simulation analysis of alternative policies in terms of equity and efficacy.
- Dixon, R. J. and Sheehan, P. Export growth in manufacturing.
- Ironmonger, D. S. and Williams, R. A. Effects of technological change on household allocation of time.
- Lloyd, P. J., Zhang, X.-G. and Wu, P. X. Direct foreign investment and the growth of exports and output in the Chinese Economy.
- Lye, J. and McDonald, I. Macroeconomics with a Range of Equilibria.

Australian Research Council Small Grant Scheme

- Atkinson, M. E. Female employees experience of current retirement incomes policy: a quantitative analysis.
- Creedy, J. A welfare analysis of indirect taxation in Australia.
- Dowling, J. M. Rural urban migration and the welfare of women in Asia.
- Hirschberg, J. G. The properties of resampling and randomization methods in the estimation of large systems of demand equations.
- Knox, D. M. The economic and financial implications of the investments of Australian and superannuation funds in the next 30 years.
- Lim, G. C., Martin, V. L. A micro analysis of the Australian stock market: Herd behaviour of economic fundamentals.
- Lye, J. N. and Hirschberg, J. G. A new approach to estimating Australian earnings functions: the use of the bifurcation model.
- MacLaren, D. Estimates of Australia's agricultural and food exports to East Asia under economic growth and trade liberalisation.
- Sherstyuk, K. V. Collusions in auctions and procurement.

Economics and Commerce Faculty Grants

- Creedy, J. The welfare effects of inflation.

- Dickson, D. C. M. and Waters, H. R. Practical ruin problems.
- Ironmonger, D. S. Developing an output measure for household production.
- Johnston, C. G. and Olekalns, N. The development of problem based learning tutorials in 316-206 Quantitative Methods 2.
- Johnston, C. Problem-based learning in second-year macroeconomics in second semester 1995.
- Lye, J. and McDonald, I. Software for Teaching Second Year Microeconomics
- Stemp, P. J. Economic tradeoffs when fiscal and monetary authorities pursue conflicting policy objectives.

University Grants - (Research and Graduate Studies)

- Worswick, C. J. The importance of post-migration investments in education for immigrants in Australia. *Special Initiatives Grant*.
- Henry, O. T. J. What moves the Australian bond markets: a variance decomposition for the excess return on Australian bonds, *Special Initiatives Grant*.
- Hyde, C. E. Transboundary pollution: regulation under incomplete information, *Special Initiatives Grant*.
- Sherstyuk, K. The formation of team under incomplete information, *Special Initiatives Grant*.
- Zhang, X. G. Medium and long-run impact of reform policies on transitional Chinese economy

External Grants

- Johnston, C. G., McDonald, I. M. and James, R. Problem-based learning in micro-groups in first year economics, *Committee for the Advancement of University Teaching (CAUT) Grant*.

International Research Collaboration

Dr. Dave Alden

Dept Research Paper No. 528, 'Industrial hemp's double dividend a study for the USA', (with Proops, J.L.R & Gay, P.W.)

Dr. David Dickson

"Relative reinsurance retention levels" with Prof. Howard Waters of Heriot-Watt University, Edinburgh

Dr. Charles Hyde

Jeffrey Perloff, U.C. Berkeley. "Multimarket Market Power Estimation: The Australian Retail Meat Sector".

Leo K. Simon and Gordon C. Rausser, U.C. Berkeley. "Regulating Multiple Polluters: Deterrence and Liability Allocation".

James Vercammen, U. British Columbia. "Costly Yield Verification: Moral Hazard and Crop Insurance Contract Form"

Associate Professor Donald MacLaren

"The international trade policy environment for grains", with Prof. T. E. Josling (Stanford Univ), Prof. S. Tangermann (University of Gottingen) and Dr W. Miner (Ottawa).

"Agriculture and the World Trade Organisation: preparing for the 1999 round", with Prof. T. E. Josling (Stanford Univ), Prof. S. Tangermann (University of Gottingen) and Dr W. Miner (Ottawa).

Canada-U.S. trade relations: trade war or trade cooperation?, with Prof C. A. Carter (University of California at Davis).

Associate Professor Neville Norman

Long-term extensions of the Norman JPKE 1996 model of protection, with Dr JSL McCombie, Downing College, Cambridge

Domestic-foreign price relations, empirical estimation using new data and techniques, with Mr K J Couttss, Selwyn College, Cambridge

Conferences and Workshops Organised

- Gunther, A. W., Monday Workshops, Department of Economics, The University of Melbourne. Held each Monday during semester 1 and 2, 1996.
- Hyde, C. E., Departmental Seminar Series, Department of Economics, The University of Melbourne. Held each Thursday during semester 1 and 2, 1996.
- Knox, D. M. Fourth Annual Colloquium of Superannuation Researchers, The University of Melbourne, July, 1996.
- Lim, G. C. (with K. Davis) Seventh Melbourne Money and Finance Conference: Derivatives, Developments and Dangers, Ballarat, Victoria, December, 1996.
- Lim, G. C. (with V. Martin) Financial Econometrics Course, Department of Economics, The University of Melbourne, November, 1996.
- Martin, V. (with G. C. Lim) Econometrics Course, Monetary Authority of Singapore, July, 1996.
- Zehnwirth, B. Risk Based Capital in General Insurance and Reinsurance Conference, The University of Melbourne, 11-12 June.

Conference and Seminar Presentations

University of Melbourne Seminar and Conference Papers Presented

- Alden, D. M., "Industrial Hemp's Double Dividend: a Study for the U.S.A.", Department of Geography and Environmental Studies, The University of Melbourne, September, 1996.
- Atkinson, M. E., "Employment profiles for Australian women, by occupation and participation", Fourth Annual Colloquium of Superannuation Researchers, The University of Melbourne, July, 1996.

- Bardsley, P., “Sovereign Debt and the Choice of Production Technique”, Departmental Monday Workshop, Department of Economics, The University of Melbourne, May, 1996.
- Bardsley, P., “Rational Addiction”, Theory Workshop, Department of Economics, The University of Melbourne, August, 1996.
- Bardsley, P., “Multiple Action Agency”, Theory Workshop, Department of Economics, The University of Melbourne, November, 1996.
- Cashin, P. A., “Is the Australian Current Account Sustainable?”, Departmental Monday Workshop, Department of Economics, The University of Melbourne, December, 1996.
- Cashin, P. A., “Consumption Smoothing and the Current Account: Evidence for France 1970-1994 and Implications for Australia”, Macroeconomics Workshop, Department of Economics, The University of Melbourne, April, 1996.
- Dixon, R. J., “Estimates of the Cost of Monopoly for Australian Manufacturing”, Departmental Monday Workshop, Department of Economics, The University of Melbourne, March, 1996.
- Dowling, J. M., “Development Issues and Challenge in Asia”, Seminar, Asian Business Centre, The University of Melbourne, September, 1996.
- Freebairn, J.W., “Full Employment Project”, The University of Melbourne Seminar , May, 1996.
- Freebairn, J.W., “Compulsory Superannuation and Labour Market Responses”, The Fourth Annual Colloquium of Superannuation Researchers, The University of Melbourne, July, 1996.
- Hyde, C. E., “On the Existence of Hagglng and Posted Prices in the Presence of Shoppers”, Economic Theory Workshop, Department of Economics, The University of Melbourne, February, 1996.
- MacLaren, D., “Economic Rights in Contemporary Europe”, Contemporary European Studies Association of Australia, Annual Symposium, The University of Melbourne, September, 1996.
- MacLaren, D., “How Much Macroeconomics Should There be in an Agricultural (and resource) Economics Degree?”, Australian Agricultural and Resource Economics Society’s Annual Conference, The University of Melbourne, February, 1996.
- MacLaren, D., “Trade Distortions and Policy Instruments: How Should the Effects be Measured?” Australian Agricultural and Resource

Economics Society's Annual Conference, The University of Melbourne, February, 1996.

McDonald, I. "A Kaldorian Model of the Trade Cycle", Departmental Monday Workshop, Department of Economics, The University of Melbourne, April 1996.

Norman, N. R., "The Economics of Lump-sum Legal Settlements", Law-Economics Conference, The University of Melbourne, June, 1996.

Olekalns, N., "Fractional Integration", Economics Society Refresher Course, Department of Economics, The University of Melbourne, February, 1996.

Olekalns, N., "Australian Evidence on Tax Smoothing and the Optimal Budget Surplus", Departmental Monday Workshop, Department of Economics, The University of Melbourne, October, 1996.

Sherstyuk, K. V., "Multisided Matching Games", Theory Workshop, Department of Economics, The University of Melbourne, October, 1996.

Stemp, P. J., "Zero Inflation Targets: Central Bank Commitment and Fiscal Policy Outcomes", Departmental Monday Workshop, Department of Economics, The University of Melbourne, September, 1996.

Stemp, P. J., "Zero Inflation Targets: Central Bank Commitment and Fiscal Policy Outcomes", 1st Macroeconomics Workshop, Department of Economics, The University of Melbourne, May, 1996.

Thomson, J. D. C., "Real Business Cycles", Macroeconomics Breakfast, The University of Melbourne, October, 1996.

Worswick, C. J., "Unemployment Experience of Immigrants", Departmental Monday Workshop, Department of Economics, The University of Melbourne, April, 1996.

Zehnwirth, B., "Risk Models and Estimation of Risk Parameter Uncertainty", Departmental Monday Workshop, Department of Economics, The University of Melbourne, October, 1996.

Off Campus Seminar and Conference Papers Presented

Alden, D. M., "What is Ecological Economics?", Australia and New Zealand Society for Ecological Economics, Melbourne, December, 1996.

- Bardsley, P., "Sovereign Debt and the Choice of Production Technique", Australian Theory Workshop, Wollongong University, January, 1996.
- Bardsley, P., "Sovereign Debt and the Choice of Production Technique", Wollongong University Seminar, April, 1996.
- Bardsley, P., "Optimal Management of Research", LaTrobe University Seminar, August, 1996.
- Bardsley, P., "Rational Addiction", Seminar, A.N.U., November, 1996.
- Creedy, J., "Income Dynamics in New Zealand.", Institute of Policy Studies, New Zealand, March, 1996.
- Creedy, J., "Income Taxation and the Accounting Period", Institute of Policy Studies, New Zealand, July, 1996.
- Creedy, J., "Income Dynamics in New Zealand", New Zealand Treasury, March, 1996.
- Dickson, D. C. M., "Gamma Processes and de Finetti's Problem", Seminar, University of Waterloo, Ontario, February, 1996.
- Dixon, R. J., "Monopoly and Welfare", Seminar, Australian Competition and Consumer Commission, Melbourne, February, 1996.
- Freebairn, J.W., "Some Economic Consideration in the Provision of Meteorological Services to Agriculture", Paper presented at Conference, The Impact of Weather and Climate on Agriculture, University of Queensland, October, 1996.
- Freebairn, J.W., "Some Issues in Tax Reform", SA Economics Society Seminar, May, 1996.
- Freebairn, J.W., "Setting Access Prices for Infrastructure", Flinders University Seminar, May, 1996.
- Freebairn, J.W., "Comparing the Sectoral Results", Monetary Policy: Price Level and Inflation Targeting, Canberra, May, 1996.
- Freebairn, J.W., "Marginal Cost Pricing of Infrastructure", Industry Economics Conference, Canberra, July, 1996.
- Henry, O. T. J., "Modelling the Asymmetry of Stock Market Volatility", 1996 Australasian Meeting of the Econometric Society, Perth, July, 1996.
- Henry, O. T. J., "Modelling the Asymmetry of Stock Market Volatility", Seminar, Flinders University, June, 1996.
- Hirschberg, J. G., "A Cluster Analysis of the Quality of Life in the United

- States over Time”, Department of Economics, Southern Methodist University, Dallas, Texas, USA, December, 1996.
- Hirschberg, J. G., “A Cluster Analysis: An Incantation for the Curse of Dimensionality”, Economics Society of Australia, Melbourne, July, 1996.
- Hirschberg, J. G., “A Cluster Analysis of the Quality of Life in the United States over Time”, Australasian Econometric Society Meeting, Perth, July, 1996.
- Hirschberg, J. G., “The Value of School Quality to Home Buyers”, Southern Economic Association Convention, Washington DC, November, 1996.
- Hirschberg, J. G., “The Bootstrap Covariance of Price Elasticities for a Translog Production Function”, Australasian Econometric Society Meeting, Perth, July, 1996.
- Hyde, C. E., “The Economics of the Rural Adjustment Scheme”, Victorian Department of Natural Resources and the Environment, April, 1996.
- Hyde, C. E., “The Rural Adjustment Scheme and Drought Assistance”, Victorian Branch of Australian Agricultural and Resource Economics Society, March, 1996.
- Hyde, C. E., “On the Existence of Haggling and Posted Prices in the Presence of Shoppers”, Western Economic Association Annual Conference, San Francisco, USA, June, 1996.
- Hyde, C. E., “Multimarket Market Power Estimation: The Australian Retail Meat Sector”, Australasian Econometric Society Annual Meeting, Perth, July, 1996.
- Hyde, C. E., “Crop Insurance: the Relationship between Indemnity Price and Expected Output Price”, Australasian Agricultural and Resource Economics Society Conference, February, 1996.
- Hyde, C. E., “Crop Insurance: the Relationship between Indemnity Price and Expected Output Price”, Research School of Social Sciences Seminar, A.N.U., March, 1996.
- Hyde, C. E., “Regulating Multiple Polluters: Deterrence and Liability Allocation”, Trade, Environment and Growth Conference, Melbourne, August, 1996.
- Hyde, C. E., “Multimarket Market Power Estimation: The Australian Retail Meat Sector”, Econometrics Department Seminar, Monash University, November, 1996.

- Johnston, C. G., "The 1996 CAUT Grant for Collaborative Problem Solving in Economics", Lecture, Deakin University, Geelong Campus, May, 1996.
- Johnston, C. G., "A Collaborative, Problem-orientated Approach to Learning Economics in First Year", 4th Annual Teaching Economics Conference, June, 1996.
- Knox, D. M., "A New Direction for Actuarial Education", IFAA, Washington, March, 1996.
- Knox, D. M., "Actuarial Education and the Future Role of the Actuary", Malaysian Insurance Institute, Kuala Lumpur, July, 1996.
- Knox, D. M., "Actuarial Education and the Future Role of the Actuary", Singapore Society of Actuaries, Singapore, July, 1996.
- Knox, D. M., "Equity in National Retirement Income Schemes", 4th Annual Colloquium of Superannuation Researchers, Melbourne, July, 1996.
- Knox, D. M., "An Analysis of Pensioner Mortality by Pre-retirement Income", 4th Annual Colloquium of Superannuation Researchers, Melbourne, July, 1996.
- Knox, D. M., "Reflections on Superannuation - in the Light of the 1996 Budget", ASFA, Melbourne, August, 1996.
- Knox, D. M., "The Future Design of a Superannuation Plan", ASFA, Brisbane, October, 1996.
- Knox, D. M., "Personal Reflections on some of the Issues Considered by the Actuarial Advisory Committee", ASFA, Melbourne, December, 1996.
- Knox, D. M., "Personal Reflections on some of the Issues Considered by the Actuarial Advisory Committee", ASFA, Hobart, December, 1996.
- Knox, D. M., "Superannuation - Where is it Heading", V.U.T., Melbourne, August, 1996.
- MacLaren, D., "Agriculture and the WTO Ministerial Meeting: the Pacific Region and Asia", IPC Policy Council's 18th Plenary Meeting, Calgary, Canada, October, 1996.
- MacLaren, D., "Evaluating the 1994 Canada-U.S. Wheat Dispute", Department of Agricultural Economics, UBC, Vancouver, October, 1996.
- MacLaren, D., "Evaluating the 1994 Canada-U.S. Wheat Dispute", Agriculture Canada, Ottawa, October, 1996.

- MacLaren, D., "The CAP of the European Union", 166-240/340 Seminar, European Integration: The Politics of the European Union, June, 1996.
- McDonald, I., "A Kaldorian Model of the Trade Cycle", 14th Economic Theory Workshop, La Trobe University, February, 1996.
- McDonald, I., "Macroeconomic Policy and the Optimal Rate of Saving", Institute of Quantitative and Technical Economics, Beijing.
- McDonald, I., "Insiders, Non-market Activity and Unemployment", University of Hong Kong.
- Norman, N. R., "Functional Market Delineation", Law Council Trade Practices Conference, Coolumb, Queensland, August, 1996.
- Norman, N. R., "An Economic Approach to the Value of Life", Seminar, Victoria University of Technology, Melbourne, November, 1996.
- Olekalns, N., "The Empirical Failure of the Life Cycle/Permanent Income Hypothesis in Australia: Liquidity Constraints, Loss Aversion or Myopia?", 25th Annual Conference of Economists, A.N.U., Canberra, September, 1996.
- Olekalns, N., "Re-examining the Evidence for Long-Run Purchasing Power Parity", Seminar, A.N.U., Canberra, April, 1996.
- Olekalns, N., "Re-examining the Evidence for Long-Run Purchasing Power Parity", Seminar, LaTrobe University, Melbourne, April, 1996.
- Olekalns, N., "Re-examining the Evidence for Long-Run Purchasing Power Parity", Seminar, Deakin University, October, 1996.
- Sherstyuk, K. V., "Efficiency in Partnerships", 1996 Australian Theory Workshop, Wollongong University, February, 1996.
- Sherstyuk, K. V., "Efficiency in Partnerships", Department of Economics, LaTrobe University, August, 1996.
- Stemp, P. J., "Zero Inflation Targets: Central Bank Commitment and Fiscal Policy Outcomes", Society of Computational Economics, International Conference on Computing in Economics and Finance, Geneva, Switzerland, June, 1996.
- Stemp, P. J., "Dynamic Games Between Fiscal and Monetary Authorities", Seminar, The University of Wollongong, May, 1996.
- Stemp, P. J., "The Role of Monetary Policy in Australia", Presidential Address, Economics Society of Australia (Victorian Branch), Annual General Meeting, October, 1996.

- Welch, D. W., “The Application of Stochastic Asset Liability Modelling to Resilience Reserving in Life Insurance”, Resilience Working Group at sessional meeting of I.A.A., Melbourne, April, 1996.
- Worswick, C. J., “Unemployment Incidence of Immigrants over the Business Cycle”, Department of Economics, University of New South Wales, March, 1996.
- Worswick, C. J., “Unemployment Incidence of Immigrants over the Business Cycle”, Department of Economics, LaTrobe University, June, 1996.
- Worswick, C. J., “Unemployment Incidence of Immigrants over the Business Cycle”, Australasian Meeting of The Econometric Society, Perth, July, 1996.
- Worswick, C. J., “The Labour Market Adjustment of Immigrant Families”, Department of Economics, Monash University, August, 1996.
- Worswick, C. J., “Immigrant Earnings Adjustment: Distinguishing Cohort Effects from Business Cycle Effects”, Department of Economics, University of Tasmania, September, 1996.
- Worswick, C. J., “Why Gender and Race Matter: A Theory of Discrimination Based on Group Identification”, Australian Economic Theory Workshop, February, 1996.
- Wu, P. X., “ARCH Effects, Overlapping Data and the Expectations Hypothesis on Term Structure of Australian Interest Rates”, Meeting of The Econometric Society, Perth, July, 1996.
- Zehnwirth, B., “Kalman Filters with Applications to Loss Reserving”, Casualty Actuarial Society Seminar, San Francisco, U.S.A., September, 1996.
- Zehnwirth, B., “Risk Based Capital”, Seminar, Reinsurance Rendezvous, Ballarat , October, 1996.
- Zehnwirth, B., “Chain Ladder Models and Stochastic Models for Loss Reserving”, Seminar, Dutch ASTIN Group, The Netherlands , November, 1996.
- Zhang, X-G, “International Economics”, Department of Economics, People’s University of China, Beijing, December, 1996.
- Zhang, X-G, “Forecasting the Growth and Structural Changes in the Chinese Economy: 1996-2000”, International Conference on China and the Asia Pacific Economy, University of Queensland, July, 1996.

Zhang, X-G, "A Dynamic General Equilibrium Model of the Chinese Economy", Department of Economics, Research School of Pacific and Asian Studies, A.N.U., Canberra, May, 1996.

On Campus Lectures

Dowling, J. M., "Growth of Asian Economies: Challenges Ahead", Lecture, Asialink Evening Series, Graduate Centre, July, 1996.

Freebairn, J.W., "Microeconomic Reform" VCE student lectures, June, 1996.

Freebairn, J.W., "Taxation Reform: Some Economic Issues", Inaugural Lecture, Faculty of Economics and Commerce, 1996.

Johnston, C., "An Examination of the Market Mechanism", VCE student lectures, March, 1996.

McDonald, I., "External Stability", VCE student lectures, March, 1996.

McDonald, I., "Monetary Policy in Australia", VCE student lectures, June, 1996.

Norman, N., "External Policy in Australia", VCE student lectures, March, 1996.

Norman, N., "Income Distribution", VCE student lectures, June, 1996.

Off Campus Lectures

Dowling, J. M., "Economic Developments and Prospects in ASEAN Economies", Lecture for Belgian Delegation, Asian Development Bank, Manila, Philippines, March, 1996.

Dowling, J. M., "Growth of Asian Economies: Challenges Ahead", Lecture, Research Policy Unit, Treasury, Canberra, August, 1996.

Dowling, J. M., "Economic Developments and Prospects in Asia", Lecture Project Link Meeting, Lausanne, Switzerland, October, 1996.

Freebairn, J.W., "Efficiency Costs of Australian Taxation", Lecture, ATAX UNSW (Tax Issues in the Post Budget Environment), October, 1996.

Freebairn, J.W., "Measuring the Benefits of Economic Policy Research", Lecture, Australian Agricultural and Resource Economics Society (Vic), Melbourne, December, 1996.

- Hyde, C. E., “Game Theory in Industrial Organisation”, Lecture, Productivity Commission, October, 1996.
- Hyde, C. E., “Auction Theory”, Lecture, Victorian Branch of the Economics Society, October, 1996.
- McDonald, I., “The Current Account Deficit”, Rotary Club of Point Gellibrand, April, 1996.
- McDonald, I., “An Overview of Macroeconomic Policy” VCTA Professional Development Lecture, June, 1996.
- McDonald, I., “The Role of Budgetary Policy in the Current Policy Mix”, VCTA Comview Conference, La Trobe University, November, 1996.
- McDonald, I., “Controlling Inflation”, Renmin University, Beijing, December, 1996.

Departmental Workshops

Presented by Academic Staff and Academic Visitors to the Department

Semester 1

- March 11 Dr Robert Dixon, “Estimates for the Cost of Monopoly for Australian Manufacturing”
- March 18 Dr Max Gillman (University of Otago), “Price Stability as Optimal Policy”
- March 25 Dr Charles Hyde, “Crop Insurance: the Relationship Between Indemnity Price and Expected Output Price”
- April 1 Dr Chris Worswick, “Unemployment Experience of Immigrants”
- April 15 Professor John Freebairn, “Access Prices for railway Infrastructure”
- April 22 Professor Ian McDonald, “A Kaldorian Theory of the Trade Cycle”
- April 29 Ms Beth Webster, “Process Competition and Intangible Investments”
- May 6 Dr Olan Henry, “A Variance Decomposition for the Excess Return on Australian Bonds”
- May 13 Dr Andrew Selzer, (Economic History), “Human Resource Management Policies at the Union Bank of Australia: Evidence from the 1887-1893 Entry Cohorts”
- May 20 Dr Joe Hirschberg, “The Bootstrap Covariance of Price Elasticities for a Translog Production Function”
- May 27 Mr Ted McDonald, “The Duration of Industrial Action in Australian Mining and Manufacturing”

Semester 2

- July 22 Professor Stephen G. Cecchetti, (Ohio State University and National Bureau of Economic Research), “Practical Issues in Monetary Targeting”
- July 29 Dr Paul Johnson, (Downing Fellow and London School of Economics), “Two Centuries of Age-Earnings Profiles in Britain: Evidence and Interpretations”

- August 12 Dr Paul Cashin, “Is Australia’s Current Account Deficit Optimal and Sustainable?”
- August 19 Professor Peter Hartley (Executive Director Tasman Institute and Rice University), “Tasman Institute’s Research Program on Infrastructure Development”
- August 26 Associate Professor Joshua Gans, (Melbourne Business School)
- September 2 Dr Peter Stemp, “Zero Inflation Targets: Central Bank Commitment and Fiscal Policy Outcomes”
- September 9 Professor Albert Schweinberger, (University of Konstanz), “Efficiency Wage Rates and the Theory of International Trade”
- September 16 Associate Professor Neville Norman, “Functional Market Definition in Trade Practices Act Matters”
- September 23 Dr Dave Alden, “Industrial Hemp’s Double Dividend: A Study for the USA”
- October 7 Dr Nilss Olekalns, “Australian Evidence on Tax Smoothing and the Optimal Budget Surplus”
- October 14 Dr Mark Crosby, (University of NSW) with Dr Nilss Olekalns and Dr Glen Otto, “Central Bank Independence and Output Variability”
- October 21 Professor Ben Zehnwrith, “Risk Models and Estimation of Risk Parameter Uncertainty”
- October 28 Dr Charles Hyde, “On the Existence of Haggling and Posted Prices in the Presence of Shoppers”

Departmental Seminar Program

Semester 1

- March 7 Dr Walter Bossert, (University of Sydney), “Choices, Consequences and Rationality”
- March 14 Dr Haiyang Xu, (Monash University), “Money Velocity with Interest Rate Stochastic Volatility and Exact Aggregation”

- March 28 Dr Simon Grant, (ANU), “Preference for Information”
- April 4 Dr Abhijit Sengupta, (University of Sydney), “Bargaining and Contracts under Incomplete Information: Toward a Unifying Approach”
- April 11 Dr Mike Bradfield, (Monash University), “Explaining Price Variability with the Kinked Demand Curve’s Conjectural Hitch”
- April 18 Dr Laikis Raimodos-Moller, (Copenhagen Business School), “Competition for Aid and Trade Policy”
- April 23 Professor Chris Bliss, (Oxford University), “Long-Run Wealth Distribution with Random Shocks”
- May 2 Dr Rohan Pitchford, (ANU)
- May 9 Dr Patrizia Tiberi, (University of Udine), “Industrial Districts in Italy: A Report on a Recent Symposium”
- May 16 Dr Maxim Engers, (University of Virginia), “Threats and Promises”
- May 23 Dr Mike Lee, (Monash University), “Endogenous Capital and Financial Structures”
- May 30 Professor Bill Schworm, (University of Sydney), “Human Capital Investment and Growth in the Presence of Moral Hazard”
- June 6 Dr Jeff Sheen, (University of Sydney), “A Theory of Market Infrastructure Services and the Inequality of Nations”
- June 13 Dr David Cummins, (University of Pennsylvania), “Corporate Hedging in the Insurance Industry: The Use of Financial Derivatives by US Insurers”
- July 8 Dr Charlie Beach, (Queens University)
- July 18 Dr Andrew John, (University of Virginia), “Language, Learning and Location”

Semester 2

- July 25 Dr Rob Hill, (University of NSW), “Measuring Inflation and Growth: How Often Should we Rebase the Index?”

- August 1 Dr Heling Shi, (Monash University), “Division of Labour, Coordination and Business Cycles”
- August 8 Professor Georgio Brunello, (University of Venice), “Job Competition Model of Work Place Training and Education”
- August 15 Dr Dale Mortensen, (Northwestern University), “The Search Equilibrium Approach to Labour Market Policy Analysis”
- August 22 Dr Paul Johnson, (Downing Fellow and London School of Economics), “Equity, Efficiency and Pension Reform in Britain”
- August 29 Dr Graciela Chichilnisky, (Columbia University), “The Future of Global Re-Insurance”
- September 5 Dr Gerald Garvey, (University of NSW), “The Management of Corporate Capital Structure Theory and Evidence”
- September 12 Dr John Logan, (ANU), “Mergers Under Incomplete Information”
- September 19 Dr Francis Lim, (ANU), “Simple Application of Count Data Model to Hospital Care, Utilization of an Elderly Cohort
- September 26 Dr Garry Barrett, (University of NSW), “The Duration of Welfare Spells in British Columbia - The Impact of States Dependence”
- October 3 Dr Atsushi Kajii, (University of Pennsylvania), “The Robustness of Equilibria to Incomplete Information”
- October 10 Dr Bob Jackson, (University of Queensland), “Making Convicts Productive: The Economics of Early Australian Penal Settlements”
- October 17 Dr Phil Bodman, (University of Queensland), “Destinating Frictional Unemployment for Australia and it’s States using a Stochastic Frontier Approach”
- October 24 Dr Graham Voss, (University of NSW), “Is Public Capital Efficient?”

Graduate Studies

Masters Thesis Passed in 1996

Ryan, A. Early retirement: costs and benefits

PhD Thesis Passed in 1996

Dowling, B. F. Entrepreneurialism and economic growth

Guest, R. S. Applying a model of the socially optimal levels of saving, investment and the current account deficit to Australia for the period 1960-61 to 1993-94.

McDonald, J. T. Industrial actions in Australian mining and manufacturing

Wilson, S. C. Inter-regional migration in Australia

PhD Thesis in Progress in 1996

Alvarado, J. A. Immigration, population, ageing and social expenditure

Atkinson, M. E. Taxation and superannuation in Australia: a simulation analysis

Austen, S. E. The role of culture and institutions in the labour market

Bakker, A. Motivations and applications of the generalised exponential family of distributions

Bellis, C. S. The development of the actuarial profession in Australia

Ben-David, R. Monetary-fiscal policy games

Cardak, B. A. Distributional implications of public and private investment in human capital: a comparative analysis

Chang, P. H. Telecommunications liberalisation and trade liberalisation of telecommunications services

Foley, M. T. Two-part book pricing

Harris, M. S. Natural resource accounting

Hepburn, G. A. Buyer power and its implications for Australian manufacturing industry

- Leung, A. P. Population optimality
- Messinis, G. Aggregate consumption and compulsive behaviour
- Milne-Pott, J. B. Access pricing
- Nguyen, D. Q. Knowledge accumulation and economic growth: patents and R & D and productivity in Australian manufacturing industry
- Pereira, R. The development of trading and hedging strategies using genetic algorithms: an application to the Australian wool market
- Stewart, M. F. Fiscal federalism
- Suksaard, T. Industrial estates in Thailand
- Taylor, J. P. Retail banking
- Taylor, S. M. Superannuation and regulation
- Tremblay, P. The economic organisations of tourism: an information theoretic approach
- Weinberg, N. N. Product innovation and international trade
- Wilkins, N. P. Fractionally integrated ARMA modelling in macroeconomics

Professional Doctorate in Progress in 1996

- Johnston, C. G. Leadership and the learning organisation in self-managing schools

Student Prize Winners

Australian Chamber of Manufacturers Prize

Bain, E. S., 316-467 Issues in Microeconomic Analysis & Policy

Australian Financial Conference Exhibition

Leahy, P. B., 316-207 Mathematical Economics

Chamber of Commerce Exhibition Fund

Agar, P. F., 316-205 Introductory Econometrics

Chong, A. R., 316-102 Introductory Microeconomics
Choo, C. Y., 316-102 Introductory Microeconomics
Duke, A., 316-202 Intermediate Microeconomics
Forbes, A. J., 316-201 Intermediate Macroeconomics
Gusberti, K., 316-305 Public Finance
Gusberti, K., 316-301 International Economics
McKay, D. W., 316-302 Economic Development
Svendsen, L. M., 316-304 Social Economics
Telford, M. J., 316-303 Industrial Economics
Van Aalst, R. A., 316-306 Money and Banking
Yeoh, E. H., 316-101 Introductory Macroeconomics

Desmond J. Cleary

Ong, C. S. M., 316-469 Financial Economics

The Economic Society of Australia

Gusberti, K., 316-312 Macroeconomics
McKay, D. W., 316-313 Microeconomics

Francis J. Wright Exhibition

Choo, C. Y., 316-130 Quantitative Methods
Fernandes, C. L., 316-130 Quantitative Methods
Telford, M. J., 316-309 Economic Development of East Asia

Jean Polglaze Memorial Prize

Scutella, R., 316-470 Econometrics Techniques
Sharma, J. S., 316-475 Economics Honours Research Essay

Wilfred Prest Prize

Van De Ven, J. W., 316-468 General Equilibrium & Welfare Economics