
To Senator The Honourable Amanda Vanstone, Minister for Employment, Education, Training and Youth Affairs

We have the honour to transmit the Report of the Council of The Australian National University for the period 1 January 1996 to 31 December 1996 furnished in compliance with Section 49 of *The Australian National University Act 1991*.

P E Baume  
*Chancellor*

R D Terrell  
*Vice-Chancellor*

September 1997
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Further information about ANU

The University’s vast range of research collaborations with other Australian and international institutions are listed, with articles about ANU research achievements, in the accompanying volume, Research Report 1996.

Further information about the achievements of ANU in 1996, especially research and teaching outcomes, is contained in the annual reports of the University's research schools, faculties, centres and administrative divisions.

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The Australian National University
CANBERRA ACT 0200
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The Head, Public Affairs Division
The Australian National University
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The Council

Members ex officio

Chancellor
The Honourable Professor P E Baume, AO MD BS Syd FRACP, FAFPHM (Hon) FRACGP

Pro Chancellor
Miss P M Griffin, AM BA DipSocStud Syd Hon DLitt Macq

Vice-Chancellor
Professor R D Terrell, BEc Adel, PhD ANU

Pro Vice-Chancellor and Chair, Board of the Institute of Advanced Studies
Professor B L N Kennett, MA PhD ScD Camb, FAA

Pro Vice-Chancellor and Chair, Board of The Faculties
Professor R J Campbell, AM, BD MA Syd, DPhil Oxf; FACE

President, ANU Students' Association
Mr W Mackerras, to 30 November 1996
Mr M Tinning, from 1 December 1996

President, Postgraduate & Research Students' Association Inc.
Mr R O'Connor, to May 1996
Mr N Snoad, from May 1996

Four persons appointed by the Governor-General (Term — up to four years)
Dr A C Bennett, BSc (Hons) PhD Syd, LLB UNSW, SC, from 14 August 1996
Associate Professor E A Bourke, Dip Arts (Journalism) RMIT, BA (Professional Writing)
CCAE, Fellow ACE, MA Ed. Studies Adel
Mr I F Grigg, AM BA ANU, from 14 August 1996
Dr M S Keating, AC AO BCom(Hons) Melb, PhD ANU, from 14 August 1996

One member of the Parliament appointed by the Governor-General on the nomination of
the Prime Minister (Term — up to 4 years)
Senator J W Tierney, BEc DipEd MEd PhD Newcastle, from 17 July 1996

One member of the Parliament appointed by
the Governor-General on the nomination of
the Leader of the Opposition in the House of
Representatives (Term — up to 4 years)
Mr P M Ruddock, BA LLB Syd, MP, to 10
March 1996

Senator M A Colston, BA BEd PhD Qld, from
17 July 1996

Two persons appointed by the Chief Minister
of the ACT (Term — up to 4 years)
Justice Mary M Finn, BA LLB Qld
Mr J V Townsend, BA (Hons) UTas

One person who is either a dean or the head
of a research school and is elected, in either
case by the deans and the heads of the
research schools voting together
Professor M C Ricklefs, BA Colorado, PhD Cornell, to 29 September 1996
Professor R M Pashley, BSc (Hons) Lough, PhD Lond, from 30 September 1996

One member of the academic staff of the
Institute of Advanced Studies elected by the
members of that staff
Professor A W Rodgers, BSc Syd, PhD ANU, from 29 February 1996

One member of the academic staff of The
Faculties elected by the members of that staff
Professor I R Wright, MA Camb

Two persons elected by Convocation
Ms B M Arndt, BSc ANU, MPsych UNSW, from 30 September 1996
Dr M P Edmunds, BA Qld, DipEd CCAE, MA PhD ANU, to 29 September 1996
Mr D H Solomon, BA LLB ANU
One member of the general staff of the University elected by members of that staff

Ms P A Bleakley, BAppSci RCAE, ADip OHS, from 27 May 1996

Dr A C B Delves, BSc DipEd Bath, PhD Hull, to 26 May 1996

University Officers
(as at 31 December 1996)

Chancellor
BAUME, Professor The Hon Peter Erne, AO, MD BS Syd, FRACP, FAFPHM (Hon), FRACGP

Pro-Chancellor
GRIFFIN, Pauline Marcus, AM BA DipSocStud Syd, DLitt (Hon) Macq

Vice-Chancellor
TERRELL, Professor Richard Deane, BEc Adel, PhD ANU

Deputy Vice-Chancellor and Director,
Institute of Advanced Studies
SERJEANTSON, Professor Susan Wyber, BSc NSW, PhD Hawaii

Deputy Vice-Chancellor
POOLE, Professor Millicent Eleanor, BA BEd Qld, MA UNE, PhD LaT

Pro Vice-Chancellor and Chair of the Board of the Institute of Advanced Studies
KENNETT, Professor Brian Leslie Norman, MA PhD ScD Camb, FRAS, FAA

Pro Vice-Chancellor and Chair of the Board of the Faculties
CAMPBELL, Professor Richard James, AM, BD MA Syd, DPhil Oxf; FACE

A co-opted member (Term — up to 4 years)
Mr J F Muir, AO

Pro Vice-Chancellor (Planning and Administration)
SELTH, Philip Alan, BA LLB, Barrister-at-Law NSW, Barrister & Solicitor ACT

Pro Vice-Chancellor (Finance and Development)
BURGESS, Christopher William, BA Tas

Dean, Graduate School
SPEAR, Raymond Harold, PhD DSc Melb, FAPS, FAIP

Dean of Students
CORNISH, Selwyn Harcourt, BEd WAust

Registrar
ARTHUR, Robert Hugh, BA ANU

Secretary
FORD, Margaret Nona, BSc Monash, GradDipAdmin CanberraCAE

Master of University House
de CRESPIGNY, Richard Rafe Champion, BA Camb, Melb&ANU, MA Camb, MA(Oriental Studies), PhD ANU, FAHA

Librarian
STEELE, Colin Robert, MA Liv, GradDipLib Lond, ALA, AALIA, KrCrossSpain
Director, Information Technology Services
ERSKINE, Robin, BSc PhD Glas

Director, Facilities and Services
WILLIAMS, Warwick Raymond, BSc NSW

Director, Financial Services
BUNSELL, Alan Raymond, BAppSc
CanberraCAE, FCPA

Head, Management Information Systems
GIBBONS, Fay, BSc Syd, GradDipCompStud
CanberraCAE

Head, Public Affairs Division
MAHONEY, James Scott, BA ANU, MPRIA

Director, Centre for Continuing Education
KENNEDY, Kerry J, BA MEd NSW, MLitt
UNE, MA PhD Stan

Officers for ceremonial occasions

Marshal
RICKARD, Michael John, BSc ARCS DIC
Lond, FAIG — for April Ceremonies
CORNISH, Selwyn Harcourt, BEc WAust —
from August 1996

Esquire Bedell
DELVES, Angela Christine, BSc DipEd Bath,
PhD Hull
Overview of The Australian National University

Mission

The mission of The Australian National University is to be one of the world's great research institutions, distinguished by outstanding teaching, guiding students to the frontiers of knowledge and the best standards of scholarship.

Goals

The goals of the ANU in achieving this mission are to:

1. Engage in research, scholarship, teaching and practice at the highest international standards
2. Foster critical enquiry and an environment that strengthens Australia's capacity to undertake fundamental research and research of national and international importance
3. Provide a challenging and supportive environment, in which staff and students can realise their potential and develop the skills and flexibility to contribute in a rapidly changing world
4. Enhance the quality and diversity of the University's student intake
5. Provide undergraduate, honours, graduate and postdoctoral education at the highest international standards
6. Provide higher education courses which foster excellence and creativity and are responsive to professional and community needs
7. Encourage commitment to lifelong learning
8. Sustain international links, encouraging collaborations which provide mutual benefit to Australia and partner countries
9. Make the resources and expertise of the University accessible to other universities and research institutions—and to Australian Governments, industry and the wider community—in a manner which contributes significantly to national and regional education, culture, welfare and economic development
10. Exercise an independent role in research and education related to public policy and other national issues.

Values

The University's guiding values are:

Excellence, Creativity, Integrity, Academic Freedom and Responsibility, Collegiality, Equity, Appreciation of Human Diversity.

Structure and Governance

The University was established in 1946 to pursue research at the highest international standards. As a research university it was to undertake 'postgraduate research and study both generally and in relation to subjects of major importance'. Undergraduate courses were introduced with the 1960 amalgamation with the then Canberra University College. In 1992, the University amalgamated with the then Canberra Institute of the Arts. The current structure of the University is shown opposite.

The ANU's research and teaching are funded from three principal sources: Commonwealth Government grants; income generated competitively from public and private sources for research and teaching; and from full-fee paying students. The University's Commonwealth Government operating grant is provided (a) to support the teaching responsibilities of The Faculties on the same basis as other Australian universities; (b) as block funding to support the special national and international roles of the Institute of Advanced Studies in research and research training; and (c) for capital works.

The University is governed by a 22-member Council comprising: ex officio, the Vice-Chancellor, the Chairs of the two academic boards and presidents of the two student associations; four nominees of the Governor-General, one nominee of the Prime Minister, one nominee of the Leader
of the Opposition, and two nominees of the Chief
Minister of the ACT; a member elected by Heads
of Research Schools and Deans of Faculties; a
member elected by the academic staff of the
Institute of Advanced Studies; a member elected
by the academic staff of The Faculties; a member
elected by the general staff; two members elected
by convocation; and a member appointed by
Council.

Under the Council are the two academic boards,
the Board of the Institute of Advanced Studies
(BIAS) and the Board of The Faculties (BTF), both
of which may advise the Council on any matter
relating to the academic work of the University.
BIAS and BTF consist of representatives from
constituent areas, including the heads of the
research schools and the deans of the faculties
respectively. There is also cross representation
between the boards. The academic boards receive
advice respectively from the faculty board and
faculty of each research school and centre of the
Institute of Advanced Studies and each faculty of
The Faculties. The Board of the Institute of the
Arts reports to Council through BTF. There is
strong student representation on the academic
decision making bodies and on the Council of the
University.

The Vice-Chancellor is the Chief Executive
Officer of the University and is responsible for
overall University leadership and management of
resources. The Vice-Chancellor is assisted by the
Director, Institute of Advanced Studies and
Deputy Vice-Chancellor, a second Deputy Vice-
Chancellor and four Pro Vice-Chancellors, two of
whom, the chairs of the academic boards, are
part-time appointments.

Budget decisions: The University introduced
triennial budgeting in 1996. In formulating the
University budget, prior to its presentation to the
Finance Committee and Council for approval, the
Vice-Chancellor is advised by a group broadly
representative of the research and teaching
activities of the University. In addition to school,
faculty and centre operating grants, funds are
allocated to the major equipment program, the
Library, for information technology equipment
and infrastructure, to the Graduate School, for
capital works and to the administrative areas which
support the academic endeavours of the ANU.

University-wide strategy for the development of
information technology is provided through the
Information Technology Strategy Committee,
which is supported by several broadly based
advisory committees which interact with specific
service providers. An academically based com-
mittee structure ensures effective development of
Library holdings and delivery mechanisms to
support teaching and research needs. Funds for
capital works are distributed in accordance with
the University's capital management plan. A sub-
stantial allocation is made within the University for
both centrally and locally administered under-
graduate and graduate scholarships. The resources
for major research equipment are distributed
competitively on a University-wide basis.

The Faculties' budget: The allocation of the
recurrent grant to The Faculties occurs through a
resource distribution process driven by weighted
student numbers and research performance.
Planning of The Faculties' budget is achieved
through the Planning and Resources Committee
of the Board of The Faculties, which recommends
allocations to individual faculties. Despite press­
ures produced by the new formula for calculating
the Research Quantum, The Faculties continued
in 1996 to operate a Faculties Research Grants
Fund to support promising new or younger
researchers who have not yet established track
records, and to 'seed' new projects.

Institute of Advanced Studies' budget: The
allocations to individual research schools and
centres in the Institute are determined in part by
their ongoing research and research training needs.
Since 1987, provision has also been made to
change the base level of school/centre funding
through a Strategic Developments Fund levy on
recurrent budgets. The levy was at two per cent of
recurrent budgets in 1996, which permitted the
reallocation of about $2 million on a permanent
basis.

Administrative budget: Budget allocations to the
administrative divisions and other service areas of
the University support the key academic goals of
the University.
Vice-Chancellor’s Review of 1996

By any measure, 1996, The Australian National University’s 50th Anniversary, was a remarkable year.

The award of the Nobel Prize for Physiology or Medicine to Professors Peter Doherty and Rolf Zinkernagel for work undertaken at The John Curtin School of Medical Research, and of the Australia Prize to that School’s Professor Graeme Laver, were not only the source of great pride for the University but key indicators of the excellence of its research. So, too, were the many academic honours bestowed on staff during the year.

These awards are testimony to the underlying strength and quality of the ANU. The University’s path to excellence has been charted in its history, The Making of The Australian National University 1946–1996, by Stephen Foster and Mary Varghese, launched on Anniversary Day, 1 August.

The three hundred events which marked ANU’s 50th Anniversary throughout 1996 demonstrated the University’s academic and cultural contributions to the nation and to the region and its research, teaching and interdisciplinary links with academic colleagues in Australia and around the world. The 50th Anniversary year was also marked by the formation of an alumni association and a successful inaugural annual appeal which raised more than $100,000.

Despite the celebrations of 1996, the 1997–99 triennium budgets cuts imposed in the federal Budget, and substantial unfunded salary increases resulting from a new enterprise bargaining agreement, necessitated that the University initiate steps to adjust to a new financial regime. However, it remains a matter of serious concern to the Council, staff and students that budget cuts will harm the University’s ability to maintain its research and teaching programs at the highest possible international standards, despite our continuing efforts to increase our non-Government sourced funding base.

Our Anniversary year was one of great achievement in both research and teaching and the report which follows covers the significant progress of this university on behalf of the nation in 1996.

RD Terrell
Vice-Chancellor
1996 Highlights

Research and teaching

Research performance

The report of the joint ANU/Australian Research Council Review of the Institute of Advanced Studies was tabled in Parliament in May 1996. Although by the year's end the Government was yet to respond to many of those recommendations which related to its responsibilities, the University was gratified with the Review's key finding that '... no other Australian institution, and few institutions in the world, can match the high standards of performance that we judge to have been attained by the schools and centres of the IAS'.

An independent measure of the research performance of the whole University was provided by the US Institute for Scientific Information's assessment of science 'Down Under', published in the July/August 1996 issue of Science Watch. The ISI assessment, based on measures of total citations and citations per publication in 21 fields of science, treated the Institute of Advanced Studies as both an entity in its own right and as part of the ANU. In terms of total citations, the ANU/LAS ranked highest in ten of the 21 fields and, in terms of citations per publication, we were top ranked in eight of the fields, and placed in the top three in a further seven. Taken as a whole, the results clearly indicate the research strengths of The Faculties as well as the Institute.

Research achievement

In the Faculty of Engineering and Information Technology, Dr A Blakers achieved a new world record for solar cell efficiency for multicrystalline silicon substrates (18.6%). Research in the Faculty also led to the invention of the 'epilift' technique which enables high quality thin silicon layers to be peeled off after growth on a silicon substrate. The substrate can then be subjected to further growth cycles. This nearly eliminates the cost of silicon substrate in solar cell modules. The method has been patented.

The International Survey Program and the Research Evaluation and Policy Project in the Research School of Social Sciences were established in 1996. The International Survey Program conducts rigorous cross-national survey research in sociology, demography, economics and politics. In its short existence the Program has already won wide international visibility. The Research Evaluation and Policy Project has become Australia's leading centre for the systematic evaluation and mapping of research across all fields of scholarship. In conjunction with research groups within Australia and from Japan and the USA, the Aerophysics and Laser Diagnostic Research Laboratory in the Faculty of Science made significant advances in 1996 in the understanding of combustion in scramjet engines.

Research collaboration

The University has continued and strengthened its association with industry, with national and international research and teaching institutions, and with the community at large in order to maintain a viable financial and conceptual basis to maintain and improve its crucial functions at the leading edge of research and teaching in its broad spectrum of disciplines.

The ANU's research and development relationship with Fujitsu, the world's second largest computer manufacturing firm, is now in its ninth year. This association has enabled the University to install a new multi-processor Fujitsu VPP300 supercomputer which, with the exception of a few similar systems in Japan, is the most powerful computer in the world to be operated by a university. The supercomputer is facilitating continuing scientific and engineering research at the highest international standards, and has made it possible for the University to commence a major new project in biomolecular modelling in The John Curtin School of Medical Research.

In November, the Major National Research Facility in Synchrotron Radiation came into
existence as a registered entity and the ANU, in keeping with its commitment to collaboration with other Australian institutions, joined with the Universities of Queensland, New South Wales, Sydney, Monash and Melbourne, together with the Australian Nuclear Science and Technology Organisation, in becoming the founding members of the Australian Synchrotron Research Program. The consortium is open to all universities and research organisations in Australia. In addition, the ANU maintains links with the Photon Factory in Japan and developing a new program of research in biological crystallography, materials science and instrumentation at the Advanced Photon Source, Chicago, USA.

The National Centre for Epidemiology and Population Health became the international secretariat for the Collaboration on Acute Respiratory Infections, an area of major concern worldwide. The Centre has been involved in collaborative moves with the International Diabetes Institute in Melbourne and The John Curtin School of Medical Research to promote a national register of new diabetics and permit the investigation of cluster outbreaks to trace possible connection to enteroviral infection.

Research facilities

A number of major scientific facilities became operational in 1996. In February, the National Fusion Research Facility was launched with the first instalment of an $8.7 million grant provided under the Major National Research Facility Program. This will allow the upgrade of the H-1 plasma device in the Plasma Research Laboratory of the Research School of Physical Sciences and Engineering, a facility overseen by a nationally and internationally representative board. The upgrade will allow to Australia maintain its significant international presence in plasma physics and fusion research.

A powerful Silicon Graphics computer was commissioned in January. The computer is operated by the ANU Supercomputer Facility on behalf of the Australian Cooperative Supercomputer Facility, an Australian Research Council-supported consortium involving most universities in NSW and SA, and the Defence Science and Technology Organisation.

In July, the Department of Nuclear Physics superconducting linear booster accelerator (LINAC) was formally inaugurated by the Minister for Science and Technology, the Hon Peter McGauran MP. The LINAC adds to an impressive Heavy Ion Facility, which has applications ranging from fundamental research into structure and interactions at the nuclear level to measurement of trace environmental pollutants.

Academic links

The ANU and Oxford University and the ANU signed an exchange agreement in March. It is only the second between Oxford and an English-speaking university. Amongst other things, it provides increased access to the unique holdings of Oxford’s Bodleian Library as well as to research and teaching facilities in other areas of particular strength, such as medieval studies and biological sciences.

Teaching initiatives

With support from the University’s Quality Assurance program, the Faculty of Engineering and Information Technology was able to make Computational Science and Engineering (CSE) available to senior undergraduate students in engineering, computing and physics. This pioneering initiative recognises that computation is rapidly taking its place alongside theoretical and traditional laboratory based activities to form a third modality of scientific and engineering investigation. CSE requires knowledge of a variety of high performance computing models and visualisation techniques, areas in which the ANU has considerable strengths. The initiative is proving to be very successful having generated considerable enthusiasm from students and interest from other Australian Universities.
Students and learning

Enrolments

While first preference applications for undergraduate enrolment at the ANU again increased, new undergraduate enrolments for 1996 showed a slight decline over those for 1995. For the 1996 academic year, the University made 2173 offers for first-year places. The total first-year intake of 2098 reflected the trend across the nation for lower new enrolments. New postgraduate enrolments rose to 1183 in the same period, bringing the total postgraduate enrolment for 1996 at the ANU to 2417. This represented almost a quarter of the total student enrolments for the University of 10143 students. Of those enrolled in graduate programs, 1063 were undertaking PhDs.

Success in competition

Students from the Canberra School of Music won awards in a broad range of national and international competitions, including the Metropolitan Opera Awards, the ABC Young Performers Awards, the Gisborne (New Zealand) International Music Competition, the City of Sydney Performing Arts Challenge and the Herald Sun Aria Competition.

New postgraduate courses

The first year of the new curriculum in the Graduate Law program, with specialist degrees in Commercial Law, Environmental Law, Public and International Law, attracted almost 200 students. The introduction of two courses per year in the Graduate Diploma in Legal Practice saw more than 200 students passing through the Legal Workshop in 1996, in contrast to 80 in 1994 and 110 in 1995.

Numbers in the Master of Business Administration, which graduated its first 21 students in 1995, have continued to grow with 36 new enrolments in 1996. The MBA program was reviewed in November by a team headed by Professor Gordon Redding, Director of the University of Hong Kong Business School, to ensure that the program was meeting the objectives of its focus on managing business in Asia. The report is due in 1997.

The Centre for Middle Eastern and Central Asian Studies, which launched new Master of Arts and Graduate Diploma courses last year, saw its first group of graduates in 1996. Additional units designed to expand the coverage of the regions available for study at both undergraduate and graduate level have been approved for future years.

The first Masters student from the Australian Centre for the Arts and Technology, which, in its use of computers to create dynamic visual and art forms, is unique in Australia, graduated in 1996.

Scholarships

A number of scholarships and awards were instituted in 1996 to commemorate the University’s 50th anniversary. The most notable were the Research School of Pacific and Asian Studies 50th Anniversary Award for the most outstanding PhD candidate each year and the Bok Honours Scholarship endowed by the family of the late Professor Bart Bok, to be awarded in the Astronomy and Astrophysics Program.

Following consultation with the Jabal Centre, it was decided to institute a Field Work Scholarship for an outstanding Honours Year Aboriginal or Torres Strait Islander student. The first scholarship was awarded to a 1996 graduate with another to be shared by two students in 1997. Both scholarships were generously funded by the Commonwealth Department of Administrative Services.

Postgraduate student development

The Graduate School introduced a number of new initiatives in 1996 to assist graduate students in their courses and wider professional development. It provided two full day induction programs for research students on how to manage a research degree. In conjunction with the Centre for Educational Development and Academic Methods, the School ran two workshops for academic staff on the supervision of research students. The Statistical Unit of the Graduate School conducted its first series of short courses at graduate level, free
of charge to all ANU graduate students. The Graduate Teaching Program, introduced by the Graduate School in 1995, continued to provide support and training for PhD students undertaking tutoring or demonstrating at the ANU.

**IT Support**

In support of its goal of providing education at the highest international standard, the University undertook a comprehensive program to upgrade technology in teaching rooms. Demand for computer workplaces increased by about 20% in 1996, and computer equipment was replaced in student laboratories.

At the same time, student support services were expanded to provide greater levels of assistance with the use of basic information technology services such as electronic mail, word processing and Internet access. Undergraduate students are now able to access the Internet and other networked services from 29 computing laboratories equipped with up-to-date equipment and software for a broad range of learning requirements. Students in residential halls and colleges are able to access Internet resources through 24 hour a day connection to the campus network from laboratories in the halls and colleges or from their rooms.

Video reticulation was installed in key study areas, enabling students to improve their study of other languages and cultures, and overseas students to maintain contact with developments in their home countries through real time access to foreign language news and current affairs programs.

**Encouragement of women in non-traditional areas**

Following its success in presenting a 'Women in Engineering' workshop in 1995, the Faculty of Engineering and Information Technology held a 'Women in Information Technology' workshop, opened by Senator Margaret Reid. The workshop attracted over 60 students in Years 11 and 12 attending ACT colleges and regional high schools in NSW. In addition, the Faculty held an 'Engineering is Your Future' workshop for 45 Years 11 and 12 students.

**Staff, Equity and Physical Environment**

**Employment**

The University’s Enterprise Certified Agreement 1996–1998, negotiated in consultation with staff union representatives, came into effect in December. The University introduced a Restructuring and Retirement Scheme (URRS) to encourage.

As part of its 50th Anniversary celebrations, the University introduced a Council Medal for General Staff Excellence.

**Equity**

The University’s gender profile improved through the appointment of women to two senior administrative positions, those of University Secretary and of Academic Registrar. Ms Margaret Ford joined the University from a senior position in the Commonwealth Public Service and Dr Angela Delves, previously the University’s first Deputy Registrar (Student Policy and Planning), became Academic Registrar.

The University continues to work towards redressing identified gender imbalances in both the Institute of Advanced Studies and in The Faculties. In the Institute, appointments were made to professorial posts designated for women.

A Disability Action Plan for the ANU, in accordance with guidelines provided by the Human Rights and Equal Opportunities Commission, will be developed by the Equal Employment Opportunity Committee for consideration by Council.

**Sexual harassment**

Following the report of a working party established in 1995 to review the way in which the ANU deals with sexual harassment matters, Council established an Implementation Group to consider how best to incorporate and promulgate procedures to address the University’s dealings with external agencies, especially when the question of ‘double jurisdiction’ arose. A University-wide annual report is to be produced detailing the measures
adopted by each area for the management of sexual harassment matters.

**Occupational health and safety**

Occupational health and safety policies and guidelines developed over recent years continued to be implemented, especially those relating to use of computer technology, a significant growth area across all sectors of the University.

**Physical environment**

A master plan for campus development was prepared by the Buildings and Grounds Committee, which the University submitted for approval by the National Capital Planning Authority. The Plan provides a concise digest of the main principles contained in the Campus Development Policy plan while at the same time providing flexibility for the University to continue to evolve detailed plans for the campus.

Several new buildings were opened during the anniversary year. Naturalist and author Sir David Attenborough opened the ANU’s new Botany and Zoology Building. The ANU’s Mount Stromlo Observatory gained two new buildings: the Woolley Building, opened by the Shadow Minister for Industrial Relations and Member for Canberra, the Hon Bob McMullan MP, in February, and the Bok Building, opened by the Minister for Science and Technology, the Hon Peter McGauran MP, in November. The Hon Peter McGauran MP also opened the new Research School of Information Science and Engineering Building which will, for the first time, bring together all members of the School in one location.

**Outreach and Community Service**

The ANU gave particular attention to outreach and community services activities during a year long celebration of its 50th Anniversary. Formal activities to specially mark the 50th Anniversary included a celebratory congregation and conferring of degrees held on 1 August, the date on which Royal Assent was given to the Act which established the ANU. At the ceremony, attended by Chancellors and Vice-Chancellors of other Australian universities, honorary degrees were awarded to ten distinguished academics and citizens, and the University presented gifts to the Parliament of Australia and the ACT Legislative Assembly. The ANU Alumni Association was launched at a dinner in Old Parliament House on the same day. However, these peak events were only part of a large program of events for the benefit of the University and wider communities, including:

- the ANU Anniversary Open Day which attracted more than 12000 people and whose Guest of Honour was ANU graduate Kate Slatter, winner of an Olympic Gold Medal in the Women’s Rowing Team;
- an Australian Science Festival featuring hands-on displays and attended by over 100,000 people, mostly school students and teachers;
- an exhibition of early Australian film in a collaboration with the National Film and Sound Archive marked the 100th anniversary of film in Australia and the University’s 50th year;
- special exhibitions at the ANU Drill Hall Gallery and the Canberra School of Art for visitors to Canberra and for the local community to see some of the University’s heritage, not often on public display;
- a tour of works from the University’s art collection to regional galleries in NSW and Victoria which will end in Sydney at the end of 1997; and
- an exhibition of Aboriginal art from all over Australia arranged by the Jabal Centre and opened by Dr Lois O’Donoghue.

Among the numerous book launches, a number focused on the history and face of the University. These included, in addition to the official history of the University—The Making of the ANU, 1946–1996—the History of the ANU Library, Buildings and Landscapes; and Fire in the Belly, a history of the Research School of Physical Sciences and Engineering. Another notable publishing event was Volume 14 of The Australian Dictionary of Biography, launched by the Governor of Tasmania in the Tasmanian Museum and Art Gallery.
Academic outreach

During 1996 over 60 national and international conferences were held at the ANU, attracting over 7000 participants, many from interstate and overseas.

The Director of the Centre for Middle Eastern and Central Asian Studies, Professor Armin Saikal, was appointed as a member of a five-year research project launched by the United Nations University, Tokyo, to explore the most feasible configuration of the UN for the 21st century.

The UNESCO Visiting Fellows Centre located at the Centre for Continuing Education was officially launched and the first Fellows took up residence on campus.

Following the favourable reception of Agenda, the Faculty of Economics and Commerce founded a new scholarly publication, the Australia Journal of Agricultural and Resource Economics.

The Centre for Aboriginal Economic Policy Research was engaged to advise the Coalition Government on a wide range of policy matters, focussing particularly on the issues of Native Title and indigenous economic development.

As a partner in the Cooperative Research Centre on Water Quality and Treatment, the ANU’s National Centre for Epidemiology and Population Health has embarked on a project to establish how the work of the Research Centre can contribute to improved health for remote Aboriginal communities.

University Games

The Australian Universities Games, which were jointly hosted by the ANU and the University of Canberra, were held from 29 September to 4 October. Nearly 7,000 athletes and officials from 60 Australian and international campuses participated in a highly successful event.

Art and Music

Through the Institute of the Arts, the University continued to provide a significant range of creative arts services to the local, national and international community.

The Canberra School of Art mounted a special exhibition in its Gallery featuring the work of twenty of its graduates. In September/October, visual arts students and Canberra School of Arts staff undertook a study tour which included activities and workshops at the Kyoto Seika University, Japan. The School’s services to public art were recognised through it receiving the 1996 Royal Australian Institute of Architects (ACT Chapter) President’s Award.

During 1996, staff of the Canberra School of Music performed as soloists, in ensembles and with symphony orchestras in most capital cities in Australia as well as in the USA, UK, Canada, Scandinavia, Asia and Europe. The School’s Jazz Big Band travelled to the United States to represent Australia at the Monterey Jazz Festival with great distinction. The Neilson Quintet, a School of Music student wind quintet, played for United States President Bill Clinton at Parliament House in November. Both staff and students contribute substantially each year to the musical life of the Canberra and regional community through the Canberra Symphony and Youth Orchestras, the Choral Society and the Llewellyn and Canberra Children’s Choirs.

The Australian Centre for the Arts and Technology was involved in the National Network for Research in Australian Music, an Australia Research Council-funded project encompassing multi-media, audio, visual and animation expertise and involving the technical coordination of eight national partners.

Educational outreach

Outreach services to the regional community are provided by programs involving public seminars, the University Preparation Scheme, bridging and continuing education courses.

In 1996, the Public Policy Program presented two series of public seminars, one entitled ‘Women and Public Policy’ and the other ‘Issues in Environmental Policy’. These made a major impact within the community by reaching a wide audience and fostering informed public discussion of contemporary political issues.
The newly-established Centre for the Public Awareness of Science (CPAS) held the first of its series of science workshops for practicing research scientists. CPAS staff were members of the Program Committee of the Fourth International Science Communicators Conference held in Melbourne and of the organising committee of Youth ANZAAS.

The Centre for Continuing Education commenced two new programs designed to enhance its role in fostering professional development both in the ACT and in the national arena. With the University of Canberra it established a Centre for Educational Leadership to provide continuing professional education to school principals, aspiring principals and senior education administrators. In partnership with three private sector firms it set up a Career Orientation and Outplacement Consultancy to provide a comprehensive, high quality advice and training service for senior executives from the Public Service facing career changes, transition or re-orientation.

The Centre also successfully organised and ran the Third National Science Teachers Summer School which was attended by senior science teachers from all Australian states and Territories, and played a major role in establishing a conference consortium at the ANU. The consortium’s brief is to provide a one-stop professional conference service to all parts of the ANU and attract conference trade to the ANU campus.

### 1996 Facts

<table>
<thead>
<tr>
<th><strong>Total student enrolments</strong></th>
<th>10,143</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postgraduate</td>
<td>2,417</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>7,726</td>
</tr>
<tr>
<td>Full-time</td>
<td>69%</td>
</tr>
<tr>
<td>Part-time</td>
<td>31%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Commencing enrolments</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>2,098</td>
</tr>
<tr>
<td>Postgraduate</td>
<td>1,183</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>3,281</td>
</tr>
</tbody>
</table>

| **Institute of Advanced Studies** | 437  |
| **The Faculties**                | 2,565 |
| **Centres**                      | 43    |
| **Institute of the Arts**        | 236   |
| **Total**                        | 3,281 |

| **International students** | 1,078  |
| **Number of Research Schools** | 8 |
| **Number of Faculties**      | 6 |
| **Research Centres associated with the IAS** | 4 |
| **Schools in Institute of the Arts** | 2 |
| **Academic staff**            | 1,246 |
| **General staff**             | 2,423 |
| **Members of Council**        | 22    |

<table>
<thead>
<tr>
<th><strong>Expenditure</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic activities</td>
</tr>
<tr>
<td>Academic services</td>
</tr>
<tr>
<td>Student services</td>
</tr>
<tr>
<td>General University services</td>
</tr>
<tr>
<td>Public services</td>
</tr>
<tr>
<td>Buildings and land</td>
</tr>
</tbody>
</table>
Honours

The University's 50th year saw a greater number of honours bestowed on its staff than in any previous year for their achievements in research, teaching and administration. The most prestigious of these was the Nobel Prize for Physiology or Medicine, shared by Professor Peter Doherty and Professor Rolf Zinkernagel for research carried out in The John Curtin School of Medical Research between 1973–1975. Other notable achievements were:

Ms M Acker, Research School of Pacific and Asian Studies, was awarded an ANU General Staff Australian and Overseas Award;

Dr N Akhmediev, Research School of Physical Sciences and Engineering, was elected Fellow of the Optical Society of America, one of only 49 honoured world-wide;

Professor A Anderson, Research School of Pacific and Asian Studies, was awarded the Captain Cook Fellowship of the Royal Society of New Zealand;

Mr D Atkins, Research School of Physical Sciences and Engineering, was a Queen's Trust Young Australian Achiever and awarded a Queen's Trust Grant;

Dr R Baker, Faculty of Science, was awarded the Vice-Chancellor's award for Excellence in Teaching;

Professor J A Barnes, Visiting Fellow at the Research School of Social Sciences, was elected Life Member of the Australian Anthropological Society;

Professor M Bennett, Research School of Chemistry, was visiting Professor at the University of Wurtzburg as part of a special invitation from the Alexander von Humboldt Foundation;

Professor W D Borrie, Research School of Social Sciences, was elected Laureate of the International Union for the Scientific Study of Population;

Emeritus Professor H Brookfield, Research School of Pacific and Asian Studies, awarded the Laureat d'Honneur from the International Geographical Union;

Mr B Burkett, a PhD student at the Research School of Chemistry, was awarded the Pacific Dunlop Scholarship;

Professor D G Byrne, Faculty of Science, was elected a Fellow of the Australian Academy of Social Sciences;

Ms M A Coggan, The John Curtin School of Medical Research, was awarded an ANU Council Medal for General Staff Excellence;

Dr M Colless, Mount Stromlo and Siding Spring Observatories, was elected a Fellow of the Astronomical Society of Australia;

Mr M E Commons, Research School of Pacific and Asian Studies, was awarded an ANU Council Medal for General Staff Excellence;

Professor R W Crompton, Research School of Physical Sciences and Engineering, was elected Fellow of the American Physical Society;

Dr G Da Costa, Mount Stromlo and Siding Spring Observatories, was elected a Fellow of the Astronomical Society of Australia;

Dr J Daicic, Research School of Physical Sciences and Engineering, was awarded an ARC Fellowship;

Dr J Deeble, NCP, was made an Officer of the Order of Australia;

Professor R M W Dixon, Faculty of Arts, was awarded an ARC Senior Research Fellowship;

Professor M A Dopita, Mount Stromlo and Siding Spring Observatories, was elected Fellow of the Australian Academy of Science and Fellow of the Astronomical Society of Australia;

Professor Dowrick, Faculty of Economics and Commerce, was elected a Fellow of the Australian Academy of Social Sciences;
Ms L Edwards, Research School of Pacific and Asian Studies, was joint recipient with Mr J Kunkel of the 1995 JG Crawford Award;

Dr R Elliman, Research School of Physical Sciences and Engineering, was awarded the Pawsey Medal for Physics by the Australian Academy of Science;

Dr H Gardiner, Research School of Physical Sciences and Engineering, was elected Member of the C20 Commission on Computational Physics of the International Union of Pure and Applied Physics;

Mr J Gascoigne, Research School of Physical Sciences and Engineering, was awarded an ANU Council Medal for General Staff Excellence;

Emeritus Professor S C B Gascoigne was appointed an Officer in the General Division of the Order of Australia;

Professor R G Gregory, Research School of Social Sciences, was made an Officer in the General Division of the Order of Australia;

Dr T K Hale, The John Curtin School of Medical Research, was awarded the Frank Fenner Medal;

Professor P G Hall, School of Mathematical Sciences, was elected a Fellow of the American Statistical Association;

Professor W Hawkey, Canberra Institute of the Arts, was named Canberra Times Artist of the Year;

Dr L Hercus, visitor in the Department of Linguistics, Faculty of Arts, was made a member of the Order of Australia;

Dr C Jagadish, Research School of Physical Sciences and Engineering, was elected to the Scientific Membership of the Bohmische Physical Society;

Professor BLN Kennett, Research School of Earth Sciences, was elected an Associate of the Royal Astronomical Society;

Dr Y Kivshar, Research School of Physical Sciences and Engineering, was awarded the Bede Morris Fellowship of the Australian Academy of Science and a visiting fellowship of the Japanese Society for the Promotion of Science;

Dr O Koivukangas, Research School of Social Sciences, was awarded an Honorary Award, Order of Australia;

Mr J Kunkel, Research School of Pacific and Asian Studies, was joint recipient with Ms L Edwards of the 1995 JG Crawford Award;

Professor R Jones, Research School of Pacific and Asian Studies, held the Visiting Chair of Australian Studies at Harvard University;

Professor W G Laver, The John Curtin School of Medical Research, was awarded the prestigious Australia Prize, in conjunction with Dr P Colman (CSIRO), Professor M von Itzstein (Monash University) and Dr P Janssen (Janssen Research Foundation, Belgium);

Mr K J Lonsdale, Research School of Physical Sciences and Engineering, was awarded an ANU Council Medal for General Staff Excellence;

Professor C McGilchrist, NCEPH, was appointed Emeritus Professor at the University of New South Wales;

Professor B W Ninham, Research School of Physical Sciences and Engineering, was appointed to the newly-established visiting TRF Swedish National Chair in Chemical Engineering in Sweden;

Dr E Radlinska, Research School of Physical Sciences and Engineering, was awarded the Bede Morris Fellowship of the Australian Academy of Science;

Dr M Ridgeway, Research School of Physical Sciences and Engineering, was elected to the Scientific Membership of the Bohmische Physical Society;

Professor P J Rimmer, Research School of Pacific and Asian Studies, was awarded a Certificate of Merit from the Chartered Institute of New Zealand;

Dr A V Rode, Research School of Physical Sciences and Engineering, was awarded the Australian Academy of Science Council JG Russell Award;
Dr A H Ross, Centre for Resource and Environmental Studies, was awarded a Fulbright Senior Award;

Ms S Rynveld, Research School of Pacific and Asian Studies, received an award from the Pan Pacific and Southeast Asian Women's Association of Australia;

Emeritus Professor A M Sargeson, Research School of Chemistry, was elected a Foreign Fellow of the US National Academy of Sciences;

Mr N Schram, Research School of Earth Sciences, was awarded an ANU Council Medal for General Staff Excellence;

Professor A W Snyder, Research School of Physical Sciences and Engineering, was awarded the medal of the Royal Australasian College of Physicians, the biennial Massey Prize and the medal of the British Institute of Physics;

Dr S R Taylor, Research School of Physical Sciences and Engineering, was awarded the title of Emeritus Professor and was elected a Fellow of the Geochemical Society;

Professor P Troy, Research School of Social Sciences, was elected Fellow of the Academy of Social Sciences in Australia;

Professor N S Trudinger, School of Mathematical Sciences, was awarded a Senior Humboldt Research Award;

Dr M Uvardi, Faculty of Science, was awarded an Alexander von Humboldt Fellowship to work in Germany for 6 months in 1997;

Mr D Worrall, Canberra Institute of the Arts, held the Leverhulme Visiting Fellowship and was visiting Artist in Residence at the Ferrara Centre for Art and Nature in Spain;

Professor J W White, Research School of Chemistry, was made an Honorary Fellow of St John's College, Oxford;

Dr R Withers, Research School of Chemistry, was Invited Professor at CEMES/CNRS and the University of Toulouse, France;

Dr X Zhu, Faculty of Arts, was awarded an ARC Post-Doctoral Fellowship;

Mr Y Zhu, Research School of Social Sciences, was awarded the Fujian Science and Technology Progress Award (Second Class).

Obituaries

It was with sadness that the ANU Council noted the passing of a number of its current and past members in its anniversary year.

Sir Harold Bailey, Professor of Sanskrit at Cambridge University and Doctor of Letters honoris causa from the ANU, died in Cambridge England in January aged 96.

Emeritus Professor A G Ogston, Foundation Professor of Physical Biochemistry at The John Curtin School of Medical Research, died in June in England at the age of 85.

Emeritus Professor G Sawer, first Professor of Law at the ANU and former Pro Vice-Chancellor, died in August at the age of 86.

Dr D S Parker AM, former Head of the Voice Department at the Canberra School of Music, died suddenly in Cairns in June.

Emeritus Professor G Sawer, first Professor of Law at the ANU and former Pro Vice-Chancellor, died in August at the age of 86.

Dr R Sylvan (formerly Francis Richard Routley) died suddenly in June while on an outside studies program in Bali.

Mr G H Wilkinson AO, former Chair of the Design and Site Planning Committee, died in Canberra aged 67.

Sir Roland Wilson KBE, member of the University Council from 1951 to 1968, died in Canberra in October aged 92.
ANUTECH Pty Ltd

For the fourth year in succession, ANUTECH's operating revenue exceeded $40 million, the figure for 1996 being $43.9 million ($42.9 million in 1995). Company profit for the year ended 31 December 1996 was $151,000 (consolidated operating profit $97,927), compared with the 1995 figure of $582,623. The reduction in operating profit was because of legal-related items and research expenditure written off.

Donations of $150,000 were offered to the University, bringing the total cash donations returned to the ANU since 1982 to $2.979 million. In addition, ANUTECH has contributed in-kind assistance, and funding for ANU research which now exceeds $130 million. Shareholders' equity now stands at $7.5 million.

**Major donations for 1996**

<table>
<thead>
<tr>
<th>Scholarship Type</th>
<th>Amount ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering Undergraduate Scholarships</td>
<td>$16,000</td>
</tr>
<tr>
<td>Women in Engineering Scholarships</td>
<td>$4,500</td>
</tr>
<tr>
<td>I G Ross and ANUTECH Chemistry</td>
<td>$4,000</td>
</tr>
<tr>
<td>Undergraduate Scholarships</td>
<td>$4,000</td>
</tr>
<tr>
<td>Departmental Publications Distribution</td>
<td>$25,000</td>
</tr>
<tr>
<td>and Promotion</td>
<td></td>
</tr>
<tr>
<td>ANUTECH Access Scholarship (Disability)</td>
<td>$8,000</td>
</tr>
<tr>
<td>Kazakhstan MBA Scholarships</td>
<td>$12,500</td>
</tr>
<tr>
<td>Public Lecture Series</td>
<td>$17,500</td>
</tr>
<tr>
<td>Drill Hall Gallery Promotions</td>
<td>$10,000</td>
</tr>
<tr>
<td>Vice-Chancellor's Initiatives</td>
<td>$50,000</td>
</tr>
</tbody>
</table>

**TOTAL**

$150,000

**Management changes**

Major reorganisation became necessary within ANUTECH in response to staff matters and to the academic and commercial marketplaces. The death of Mr Bob Lane, Manager of Physical Sciences Technology Marketing, was a distressing period for the company. Organisational changes became necessary within that area following Bob's death, and the departure of Ms Georgina Meyers. Life Sciences and Physical Sciences, together with Technology Programs Management, were combined into one Technology Marketing Group. Dr Lex Beardsell heads the group.

Two other Divisions, Social Sciences and Training, and Forestry and Environment were also amalgamated into one group, Australian Projects, Consulting and Training (APCT) to take effect from January 1997. Dr Rob Crittenden was appointed to lead this group. Internet was closed down as a Division due to lack of financial viability, and Internet-related courses moved to management by the Training area.

The Company Lawyer, Ms Marianne Dunham, left to take up a senior position with a law firm in Adelaide. Mr James Macintyre was appointed to the position.

**The Board**

In replacement for Professors Osmond and Stanton, the ANU Council approved in December the appointments of Professor Brian Anderson, Director, Research School of Information Sciences and Engineering, and Professor Richard Pashley, Dean of the Faculty of Science. Dr Andrew Rastawicki, manager of Australian Scientific Instruments, joined the Board as ANUTECH's representative, following Dr Frans Arentz's completing his term on the Board.

A Board Executive Committee was formed to deal with matters arising between Board Meetings.

In changes to the ANUTECH Board, Professors Robin Stanton and Barry Osmond completed their respective terms in 1996, Emeritus Professor Ian Ross had his term extended for 12 months from the end of December 1996, and Professor Sue Serjeantson's term was renewed for two years from January 1997.
International development assistance project management

Large international development projects constituted an important and growing area of business for ANUTECH in 1996, with several large projects under on-going management. ANUTECH invested considerable resources in preparing competitive tenders for new programs.

Two large projects continued in Papua New Guinea (PNG), funded by AusAID. The Kandrian Gloucester Integrated Development Project achieved good progress in each of its five program areas during the year, particularly in forestry, where techniques for natural reforestation have been introduced into West New Britain province and represent the standard for reforestation in PNG. The PNG Forestry Human Resource Development Project entered its second year. The Project is progressing well towards its major objectives, including redesigning the curricula for the forestry degree and diploma courses being offered at PNG training institutions.

Other large projects ended, or neared conclusion. The Nepal Australia Community Forestry Project (NACFP) entered the final stages of Phase 4. NACFP has been acknowledged by AusAID and internationally as one of Australia’s most successful overseas aid projects.

Management services were provided for major development-related research programs at the ANU supported by AusAID grants, namely the National Centre for Development Studies (NCDS), and the Australia South Asia Research Centre (ASARC). Through ANUTECH and under the umbrella of NCDS, AusAID continued to fund the Asia Pacific Literature Journal. ANUTECH provided management services for two ASARC programs which are supported by a grant from the Australian Centre for International Agricultural Research.

Consultancy management

A number of consultancies were successfully negotiated and managed in 1996, mainly through the areas which now form Projects, Consulting and Training group but with increasing activity occurring in the Technology Marketing area (see Industry Collaboration).

Consultancies through the former Social Sciences and Training, and Forestry and Environment areas included: an economic consultancy undertaken by the Asia Pacific Economics Group (APEG Pty Ltd) for the Dairy Research and Development Corporation, to analyse the prospects for supplying Australian dairy products to China; a re-design of a project on Women’s and Children’s Health for Papua New Guinea on behalf of AusAID, and a consultancy on NGO Project Proposal Appraisals for Africa and South Asia, also on behalf of AusAID. A Feasibility Design Study was completed on Pacific Regional Vector-Borne Diseases in Vanuatu, Fiji and the Solomon Islands.

Other consultancies using ANU expertise were managed on behalf of the Foreign Investment Advisory Service (natural resource management in the Pacific), Asian Development Bank (economic and policy analysis in the Pacific) and the World Bank. ANUTECH provided consultant, administrative services and office equipment for the Pacific 2010 Project, which was funded by AusAID.

Short courses and training

In 1996, ANUTECH continued to develop its program of short courses in Australia and in-country, gaining overseas recognition for high quality training. Short courses held in Australia fell into the main categories of environment and natural resources; project planning, monitoring and evaluation; and economic and public sector reform.

In the latter category were economics courses designed for officials, policy researchers and educators from countries undergoing economic and social reform. These courses formed part of a continuing program of cooperation between ANUTECH and the MBA Program. Courses presented in 1996 were Public Sector Management for Development, Public Sector Economic Reform,
Infrastructure Development, and Managing Budgets, Programs and Projects.

A new course, Forest Conservation Genetics: Principles and Practice, was inaugurated in 1996. This brought to five ANUTECH’s annual courses held in Australia relating to natural resources and environmental management.

ANUTECH managed an increasing number of international study tours on behalf of various agencies. In the first half of the year, 56 Kazakhstani senior officials attended a Civil Service Reform Project World Bank-sponsored study tour arranged for the Department of Education, Employment, Training and Youth Affairs. The South African Parliamentary Portfolio Committee on Minerals and Energy study tour had 12 participants.

Twelve forest scientists from Turkey visited Australia for a tree breeders and computer statistics study tour funded by the World Bank. A group of West Bengali foresters attended a course for tree breeders, also funded by the World Bank, early in the year. In the second half of the year, three Indonesian groups attended separate courses in Human Resource Development, Financial Management and Accountancy, and Management Information Systems.

ANUTECH also conducted in-country courses on project planning and related areas in the forestry and environment sector. Courses were held in Ethiopia, Eritrea, Fiji and Tonga. A course was also conducted in Zimbabwe on fiscal policy and public sector reform, using ANU consultants.

As a measure of the steady growth of the Centre, student teaching hours increased some 18 per cent over those of the previous year, with an increase being noted in privately funded students. Two Academic Preparatory Courses were conducted for students who had already been accepted into university courses.

Study tours were perceived as an expanding area of activity, with more interest being registered from Asian institutions and agencies. Last July, 13 students from the Tokyo Institute of Polytechnics completed a four-week intensive English course and cultural program at ANUTECH, for which they were given full credit as part of their course by their institution. An undertaking was received that this course would become a regular arrangement.

Increased resources were directed towards marketing Canberra as a first-rate destination for academic study, with the aim of more closely targeting the competitive private education market in Asia. One aspect of ANUTECH’s marketing effort was to supply agents in Asian countries with information about facilities for students in Canberra, including brochures about the Education Centre’s courses and Canberra, and regular newsletters. A four-minute publicity video was commissioned, and circulated in four languages.

Technology commercialisation

ANUTECH continued actively to seek new technologies from the ANU. The University’s Life Sciences area in particular showed that areas of University research were still not fully tapped for their commercial potential. Among technologies which ANUTECH began to market internationally were model systems and targets for the development of therapeutics for inflammatory bowel disease, and novel approaches to asthma therapy.

To assist in safeguarding ANU intellectual property, Technology Marketing Group developed a ‘Technology Disclosure Form’ designed to aid recognition, protection and marketing of intellectual property arising from ANU research and commercialised through ANUTECH.

ANUTECH Education Centre

The Education Centre continued to increase its enrolments, and the students achieved a high rate of success, some exceeding the required standards by large margins. In every test conducted during 1996 all students met university requirements, and in May, a number of students satisfied the English requirements for the ANU’s Managing Business in Asia (MBA) course.
HARE Machine

The first commercial HARE (Helicon Assisted Reactive Evaporation) machine was launched in Tokyo by Enya Systems Ltd, and later presented by them at 'SemiCon '96', a large trade fair primarily focusing on the microelectronics and semiconductor processing industries. The HARE system, developed in the Plasma Research Laboratories, Research School of Physical Sciences and Engineering (RSPhysSE), and licensed to Enya through ANUTECH, is designed to be integrated into other systems to produce high quality films for microelectronic and other applications. At a special presentation in Tokyo, Enya’s President, Mr Ryozo Enya commented on the excellent continuing cooperation between Enya, ANU and ANUTECH.

Big Dish

ANUTECH signed a $395,000 contract to build a 400 square metre Big Dish collector for Ben Gurion University in Israel, where it will be used for solar energy research.

The Big Dish system was launched by the NSW Treasurer on 16 December at ANUTECH’s Energy Research Centre before an audience of more than 80 guests, including senior representatives of the Australian power industry.

A pre-feasibility study was commissioned to examine the economics of building a 1mW-generating dish array in conjunction with an existing power plant, together with a smaller demonstration desalination plant to treat water at the Olympic Village for the 2000 Games. The study was to be co-funded by NSW Government and the Australian company Transfield Ltd.

Industry interaction

On behalf of the John Curtin School for Medical Research (JCSMR) and the National Health Science Centre, Canberra, ANUTECH signed an agreement with biopharmaceutical investment company Biodiscovery Ltd which will direct funds of approximately $2 million over three years towards research into and clinical trials of a potential vaccine to prevent early onset insulin-dependent diabetes.

ANUTECH negotiated with Micromass UK Ltd to set up a collaboration between the latter and the Environmental Biology Group, Research School of Biological Sciences (RSBS). Under the collaborative agreement, Micromass donated an Isochrom oxygen analysis machine to the ANU, in return for access to research results and procedures. The instrument was commissioned in late August.

The Technology Marketing group managed consultancy services in the fields of veterinary medicine and parasitology for veterinary health companies. Work carried out included safety and efficacy studies for new veterinary treatments. Other consultancies for industry included investigations undertaken for Redstone Australia Mining Pty Ltd by researchers from the RSPhysSE, and gas sample analysis by the Research School of Chemistry for Robson Laboratories Pty Ltd.

In December ANUTECH sold its total share holding in Virax Pty Ltd to the other major shareholder Rancoo Ltd. Rancoo Ltd will continue to fund an R&D Program on recombinant virus vectors in JCSMR.

Funding of ANU research

In 1996 ANUTECH funded a discovery program in RSBS for the isolation and purification of compounds to be used as a novel antibiotic. Patent applications covering these compounds have now been filed and marketing of the compounds was accelerated.

International marketing of technology

Technology Marketing undertook three overseas visits in 1996 to investigate new markets for ANUTECH’s products and services, present ANU
technologies, and to follow-up earlier contacts. Visits were made to Malaysia, Japan and the US. A three-week visit to the United States in July included meetings with representatives of 12 companies with interests in pharmaceuticals and biotechnology, and in December, 10 companies with interests ranging from information technology to environmental remediation were visited over an eight-day period in Tokyo and Osaka.

Australian Scientific Instruments (ASI)

ASI implemented a variety of strategies to market its products, with journal advertising evincing particularly good results, and the Internet giving rise to other promising contacts. ASI exhibited its instruments overseas in Europe, USA and Japan, and virtually all promotional material was upgraded. ASI also actively sought new products to manufacture and market, and in 1996 began discussions and preliminary negotiations with a number of Australian research organisations.

Active marketing of all instruments took place in Japan, Europe, and South Africa, at trade fairs and by personal visits. The Indian and the US markets also were investigated.

SHRIMP Ion Microprobe

The successful collaboration between the Research School of Earth Sciences and ASI was once again demonstrated in 1996. A SHRIMP II was installed, tested and commissioned at Hiroshima University over a period of two and one-half weeks in August.

The development and fabrication of the next generation of the SHRIMP microprobe, the SHRIMP RG, continued according to schedule. This instrument has been purchased by a consortium consisting of Stanford University and the United States Geological Survey.

Paterson Instruments’ HPT

A High Pressure, High Temperature Testing Machine (HPT) was sold to GeoForschungs-Zentrum (GFZ), a large research institute at Potsdam, Germany. The sale was the first for ASI since ANUTECH acquired Paterson Instruments Pty Ltd near the end of 1996, and is the second instrument sold to GFZDPotsdam and the seventh worldwide.

MASIF

Two MASIFs were successfully exported in 1996, to Japan and Germany. ASI's Japanese agent, Columbia Export/Import, reported that the three MASIFs already in Japanese institutions were producing research data.

ASI continued development of the Tribology Accessory, designed to extend the application of and market for MASIF, especially in the oil and lubricant industry.

Uni-Ball-Mill II

A Uni-Ball-Mill II was sold to the research organisation SRI International Palo Alto, California.

Overseas visitors

Besides hosting company and government representatives interested in particular technologies or services, ANUTECH gave presentations to international visitors with specific interests in the process of technology commercialisation. Among them were Dr Sharr Azni Harmin, Manager of Technology Development with the Malaysian National Biotechnology Directorate, and Professor Raja Salim, Deputy Registrar and Professor Ibrahim Abdullah, Professor of Physical Chemistry both of the Universiti Kebangsaan Malaysia (UKM). Negotiations were initiated with UKM for supply of short courses on R&D commercialisation.

Book distribution—Bibliotech

Bibliotech continued to offer integrated, effective book distribution services to the academic community, and to expand its customer base.

Within the University, the North Australia Research Unit appointed Bibliotech as its agent to
distribute its publications. Outside the University, but still complementary to Bibliotech's stable of publishers, Bibliotech commenced distribution in September of the publications of the Australian Institute of Criminology. The Institute's publications include research reports, proceedings of conferences and public information sheets.

Expanding its services further afield, Bibliotech won a competitive contract with AusAID to maintain the latter's database and warehouse and distribute their publications. New business from overseas saw Bibliotech appointed as sole distributor in Australia for publications of the Asian Development Bank.

University computer shop—PCtech

A vigorous team at ANUTECH's computer sales division continued in their commitment to improve services to the ANU, working closely with various areas and individuals on campus to ensure special requirements were satisfied. Despite some uncertainty in the PC marketplace, PCtech was able to maintain and improve its relative position by more specifically targeting new and established clients. Benefits such as preferential pricing and longer warranties which PCtech has always been able to offer staff and students were extended to ANU alumni.

Marketing strategies which were initiated in 1996 included advertising on student cards and in the ANU graduate magazine. Special events on campus were supported, including special door prizes of printers for the ANU Alumni Dinner in August at Old Parliament House, provided in conjunction with Apple. As part of the Apple University Consortium, PCtech provided an oncampus channel for grants through the Apple University Development Fund available to innovative software developers on university campuses (a number of applications submitted through PCtech were successful in 1996). PCtech also assisted academics and IT decision-makers in attending dedicated IT conferences in Australia and overseas, as well as providing new product briefings on campus.

General

ATICCA Conference

The 1996 ATICCA (Association of Tertiary Institution Commercial Companies of Australasia) Conference was held in Canberra. ANUTECH conducted a workshop and hosted a breakfast during the conference.

Summary and prospects

Unlike most businesses with one product and one marketplace, ANUTECH has a large number of disparate products and services in many marketplaces. Our clients are the ANU on the one hand, and the wider community of commerce, industry and government on the other. There have been changes in all our marketplaces in 1996, some due to government changes, and some in response to the general national and international economic situation.

Our overall level of activity has continued to be high; nevertheless, it was necessary to reorganise to gain efficiencies and improve our chances of winning contracts. In particular, we moved to set up larger more robust business groups to provide a firm base for taking advantage of new business opportunities, particularly in highly competitive areas such as management of large international development projects, and scientific instrument manufacture.

The future of the Company needs to be based on an expansion of the business, including increasing support for the ANU. We need to move from a 'small' medium-sized company to a 'large' medium-sized company in the next two to three years. The prospects are sound for ANUTECH to continue to develop in the service of the University.
# University Statistics

Including the Institute of the Arts

Full-time equivalent staff (excluding part-time & casual staff) as at 31 March 1996

<table>
<thead>
<tr>
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Small discrepancies may be apparent in totals, due to rounding.
Full-time equivalent staff financed from recurrent funds for the years 1977, 1994–1996

Excluding Part-time Teachers, Casual Staff, Academic Visitors and Staff of the Institute of the Arts

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(a) Including MISD from 1995, formerly part of Administration
(b) Comprises CEDAM, IRU, Animal Services
(c) Parking and Traffic staff were transferred to outside funds in 1992
(d) CCE funded from trading activities from 1994
## Home Region of Overseas Students 1996

(Including Full Fee Paying Students)

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<td>21</td>
<td>8</td>
<td>29</td>
</tr>
<tr>
<td><strong>Sub-Total</strong></td>
<td>36</td>
<td>15</td>
<td>2</td>
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<tr>
<td><strong>Pacific</strong></td>
<td></td>
<td></td>
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<tr>
<td>Fiji</td>
<td>6</td>
<td>7</td>
<td>13</td>
</tr>
<tr>
<td>New Zealand</td>
<td>31</td>
<td>8</td>
<td>39</td>
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<tr>
<td>Papua New Guinea</td>
<td>16</td>
<td>5</td>
<td>21</td>
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<tr>
<td>Philippines</td>
<td>36</td>
<td>8</td>
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<tr>
<td>Other Pacific</td>
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<tr>
<td><strong>Sub-Total</strong></td>
<td>100</td>
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<td><strong>Americas</strong></td>
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<td>USA</td>
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<tr>
<td>Other Americas</td>
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<td>1</td>
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<tr>
<td><strong>Sub-Total</strong></td>
<td>22</td>
<td>21</td>
<td>1</td>
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<tr>
<td><strong>Africa &amp; Mid.East</strong></td>
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<td></td>
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<tr>
<td>Iran</td>
<td>4</td>
<td>1</td>
<td>6</td>
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<tr>
<td>Kenya</td>
<td>1</td>
<td>1</td>
<td>3</td>
</tr>
<tr>
<td>Other Africa</td>
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<td>6</td>
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<td><strong>Sub-Total</strong></td>
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<td>15</td>
<td>39</td>
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<tr>
<td><strong>Other Overseas Countries</strong></td>
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<tr>
<td>Other regions</td>
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<tr>
<td>Unspecified overseas</td>
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<td><strong>Sub-Total</strong></td>
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<td><strong>Total Overseas Students</strong></td>
<td>447</td>
<td>16</td>
<td>168</td>
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## Enrolments 1996 (excluding full fee paying international students)

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<tr>
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<th>full-time</th>
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<tr>
<td><strong>PhD Courses</strong></td>
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<tr>
<td>Institute of Advanced Studies</td>
<td>337</td>
<td>55</td>
<td>392</td>
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<tr>
<td>University Centres</td>
<td>36</td>
<td>10</td>
<td>46</td>
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<tr>
<td>The Faculties</td>
<td>258</td>
<td>94</td>
<td>352</td>
</tr>
<tr>
<td>ITA</td>
<td>1</td>
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<tr>
<td><strong>Total</strong></td>
<td>632</td>
<td>160</td>
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<tr>
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<td>27</td>
<td>45</td>
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<tr>
<td>University Centres</td>
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<tr>
<td>The Faculties</td>
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<td>206</td>
<td>282</td>
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<tr>
<td>ITA</td>
<td>15</td>
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<tr>
<td><strong>Total</strong></td>
<td>139</td>
<td>280</td>
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<table>
<thead>
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<tr>
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<td>University Centres</td>
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<td>28</td>
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<tr>
<td>The Faculties</td>
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<td>475</td>
</tr>
<tr>
<td>ITA</td>
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<td><strong>Total</strong></td>
<td>157</td>
<td>429</td>
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<table>
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<th><strong>Other Courses</strong></th>
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<tr>
<td>Bachelor Degrees</td>
<td>5272</td>
<td>1737</td>
<td>7009</td>
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<tr>
<td>Associate Diploma ITA</td>
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<tr>
<td>Diploma ITA</td>
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<tr>
<td>non-degree undergraduate</td>
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<tr>
<td>non-degree undergraduate ITA</td>
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<tr>
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<td>12</td>
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<td>cross institutional ITA</td>
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<tr>
<td><strong>Total Other Courses</strong></td>
<td>5381</td>
<td>2001</td>
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**TOTAL EXCLUDING FULL-FEE PAYING STUDENTS**

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<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Postgraduate</td>
<td>417</td>
<td>140</td>
<td>557</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>292</td>
<td>95</td>
<td>387</td>
</tr>
<tr>
<td>ITA (incl postgrads, 10)</td>
<td>16</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td><strong>Net Total</strong>*</td>
<td>725</td>
<td>239</td>
<td>964</td>
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**GRAND TOTAL**

**GROSS ENROLMENTS**

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</thead>
<tbody>
<tr>
<td>Postgraduate</td>
<td>417</td>
<td>140</td>
<td>557</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>292</td>
<td>95</td>
<td>387</td>
</tr>
<tr>
<td>ITA (incl postgrads, 10)</td>
<td>16</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td><strong>Net Total</strong>*</td>
<td>725</td>
<td>239</td>
<td>964</td>
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</table>

**NET ENROLMENTS***

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Postgraduate</td>
<td>417</td>
<td>140</td>
<td>557</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>292</td>
<td>95</td>
<td>387</td>
</tr>
<tr>
<td>ITA (incl postgrads, 10)</td>
<td>16</td>
<td>4</td>
<td>20</td>
</tr>
<tr>
<td><strong>Net Total</strong>*</td>
<td>725</td>
<td>239</td>
<td>964</td>
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</table>

**Degree & Diploma courses completed (year ended 31 March 1996)**

<table>
<thead>
<tr>
<th></th>
<th>males</th>
<th>females</th>
<th>total</th>
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<tr>
<td>Doctor of Philosophy</td>
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<td>57</td>
<td>143</td>
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<tr>
<td>Master—Research</td>
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<td>6</td>
<td>19</td>
</tr>
<tr>
<td>Master—Coursework</td>
<td>49</td>
<td>46</td>
<td>95</td>
</tr>
<tr>
<td>Graduate Diploma</td>
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<td>131</td>
<td>257</td>
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<tr>
<td>Bachelor of Honours</td>
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<td>222</td>
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<tr>
<td>Bachelor Pass</td>
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<td>870</td>
<td>1543</td>
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<tr>
<td>Associate Diploma</td>
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<tr>
<td>Graduate Certificate</td>
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<td>7</td>
</tr>
<tr>
<td>Diploma of Music</td>
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<tr>
<td>Other Award</td>
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<tr>
<td><strong>Total</strong></td>
<td>1145</td>
<td>1344</td>
<td>2505</td>
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</table>

* adjusted for students with concurrent enrolments
Cooperation with government and other public institutions

The Australian National University encourages members of the academic staff to give specialist advice and assistance to Federal and State Government departments and to other public institutions, both within Australia and internationally. This help takes many forms—consultancies, membership of committees, involvement in particular projects, secondments, etc. The following list records such cooperation for 1996. This is not necessarily comprehensive.

Central Administration

C Burgess, member, IDP Education Australia Audit Committee; director, ANUTECH Pty Ltd; director, Australian Photonics Pty Ltd; Committee chair, Finance Unit Review, University of South Australia.

M Corbould, Canberra Schools on the Net; The Australian Science Festival.

Dr A Delves, member, Panel in General Academic Qualifications, National Office of Overseas Skills Recognition.

Dr R Erskine, member, NSW/ACT University Computer Centres Directors; member, Committee of Australian University Directors of Information Technology (CAUDIT); member, CAUSE: The Association for Managing and Using Information Technology in Higher Education; member, ACT Regional Network Organisation; member, National Regional Network Organisation Committee; member, Australian Co-Operative Supercomputing Facilities Board.

Dr R Gingold, member, Australian Co-Operative Supercomputing Facilities Board.

G Pickford, member of the executive, Australasian Institute of Tertiary Education Administrators (ACT branch); vice-president, World Confederation of Productivity Science (Oceania Region); coptee, ACT Cultural Council Performance Agreement Panel for The Australian Science Festival; member, National Capital Attractions Association.

P A Selth, member, Advisory Board, The Centre for Australian Public Sector Management, Griffith University; referee, Australian Journal of Public Administration.

Professor S W Serjeantson, member, Genetic Manipulation Advisory Committee’s Scientific Sub-committee; member, Australian Science Festival Board; chair, ACT Regional Network Organisation; member, ANUTECH Board; member, CRC for Advanced Computational Systems Board.

C R Steele, member, Executive Committee of the Council of Australian University Librarians; member, Britain-Australia Australian New Images Committee (ACT); member, CAUL Datasets Committee; member DEETYA Institutional Grants Sub-Committee; executive director, IDA Project; convener, ANU Convocation/Canberra Times Literary Lunches; secretary, Magellan Society; Mollie Thompson Lecturer 1996 (State Library of NSW); editorial boards, Australian Academic and Research Libraries, The Electronic Library, Information Management Report, Interlending and Document Supply, Journal of Librarianship & Information Science and Librarianship and Information Work World Wide.

Professor R D Terrell; director, Australia Education Office, Washington, USA; director, CanTrade Board; director, Open Learning Australia; director, Tertiary Education Superannuation Scheme Board; director, Uniprojects Pty Ltd; vice-president, IDP Education Australia; chair, AARNet Board of Management; chair, CanTrade Board Sub-Committee on Education; member, Australian Higher Education Industrial Association Executive Committee; member, Australian Vice-Chancellors’ Committee; member, Business/Higher Education Round Table;
member, Canberra Business Council; member, Committee for the Canberra Group, National Gallery of Australia Foundation; member, NSW Vice-Chancellors’ Conference; member, Rhodes Scholar Committee.

Research School of Biological Sciences

Developmental Neurobiology Group

A James visited Dr S G Lomber, Boston University School of Medicine, spent three weeks performing experiments with Dr J Bullier at INSERM 371 in Lyon, France, and attended the European Neuroscience Conference, Strasbourg.

L Marotte, Public Officer for the Australian Neuroscience Society.

Ecosystem Dynamics Group


Dr H Gitay, involved in the Intergovernmental Panel on Climate Change second assessment report and subsequent technical paper; contributed to Global Biodiversity Assessment—a UNEP activity, report of which published by UNEP/ Cambridge University Press.

Professor I Noble, chair, Global Change and Terrestrial Ecosystems (GCTE) Core Project of IGBP from 1996 to 1999; with Dr Gitay, prepared technical notes and briefing materials for the Intergovernmental Panel on Climate Change (IPCC); attended meetings and workshops in Germany, Indonesia, the Netherlands, USA and Australia on matters related to global change; organised an international workshop on Plant Dispersal and Global Change at Batemans Bay; completed his input to the State of the Environment report for Australia.

Professor Slatyer, chair, Commonwealth-State Working Group on Access to Australia’s Genetic Resources and the Committee for the Fenner Conferences on the Environment; with Professor Noble, participated in the Scientific Advisory Group on National Forest Conservation Reserves; chair, Review of the Bureau of Meteorology; Director, Australian Minerals and Energy Environment Foundation and of the Crawford Fund for Agricultural Research and Membership, CRA Scientific Advisory Board, International Advisory Committee for Biosphere Reserves, the Advisory Board for the Sustainable Biosphere Project, the Academy National Committee on the Environment, the Academy Science and Industry Forum, and the Australian Research Council.

Environmental Biology Group

Dr J Evans, member, Editorial Board, *Plant, Cell and Environment*.

Professor G Farquhar, Vice-President, Australian Academy of Science and chair, Australian Academy of Science National Committee on Climate and Global Change; in this role and as chair, Organising Committee, National Academies’ Forum on ‘Australians and Our Changing Climate—Past Experiences and Future Destiny’; convener, Global Change Confederation; member, Editorial Board, *Oecologia* and *Functional Ecology*, Consulting Editor, *Plant and Soil*, and Review Board, *Plant, Cell and Environment* and Editorial Review Board, *Tree Physiology*; involved in the Intergovernmental Panel on Climate Change Working Group I Scientific Assessment of Climate Change and the Biosphere 2 Project; lecturer, NOAA workshop on the design of a carbon cycle observing system, Boulder, USA; the NCAR Summer Colloquium on terrestrial ecosystems and the atmosphere, Boulder; and meeting, Association of Applied Biologists (AAB) on stable isotopes in Newcastle, UK; visited the University of Helsinki to act as an opponent to a doctoral thesis.

A van Herwaarden presented talks on haying-off and physiological traits for high protein yield production in wheat at three individual Field Days, held in Ariah Park and Harden, NSW.
J Lloyd, Darwin Visiting Professorship; and prize at University of Edinburgh to be tenured in 1997.

Dr J Masle with Dr Chin Wong and Professor Osmond awarded an ACIAR grant for collaborative program with China over the next eighteen months; Dr Masle will lead a project on 'Selection of rice cultivars for performance under elevated atmospheric CO\textsubscript{2} in South East China'.

**Eukaryote Chromosome Organisation Group**

V Maclean and Dr D Shaw supervised J Case, Lake Ginninderra College during her laboratory work under the CSIRO Student Research Program.

**Molecular Evolution and Systematics Group**

Professor A Gibbs organised the 1996 AGM Symposium, Australian Academy of Science, ‘Genes, Memes and Evolution’, and member, Academy panel submission to Nairn Review, Australian Quarantine Inspection Service, Academy representative, Standing Committee on State Development, Parliament of NSW Legislative Council to report on the closure of NSW Agriculture’s Rydalmere Laboratory.

**Photobioenergetics Group**

W S Chow, member, editorial board, *Physiologia Plantarum*; elected ACT Representative, Australian Society for Biophysics.

B Osmond, president, Australian Society of Plant Physiologists; member, life sciences panel for ARC small grants at the University of New England, and visiting reviewer of Centres of Excellence programs at NIAR, Tsukuba, and NIBB, Okazaki; member, editorial boards, *Planta* and *Botanica Acta*.

M Skotnicki led Antarctica New Zealand Event K022 to the Ross Sea region of Antarctica to collect moss specimens for analysis of genetic variability, mutation rates, and colonisation of Antarctica; gave a series of invited lectures on conservation genetics and ecology at the University of Waikato, Hamilton, NZ.

**Plant Cell Biology Group**

Dr A Cleary, 5 weeks of professional development leave at University of North Carolina with Dr L Smith on the pygmy maize mutant; gave seminars at University of North Carolina and University of Massachusetts; gave invited lectures at The University of Melbourne, Institute of Molecular Agrobiology at The National University of Singapore and International Christian University, Tokyo, Japan; invited speaker, symposium 'Levels of regulation in plant development' at The Australian Society of Plant Physiologists, Canberra, and at Memorial Symposium on 'The Construction of Cytoskeletal Arrays in Plant Cells' honouring the retirement of Professor Shibaoa, Osaka, Japan; supervised a CSIRO student research scheme student.

Professor B Gunning, managing editor, *Protoplasma* and member, Editorial Board, *Planta*; member, Plant Cell Biology Research Centre, Melbourne University, Advisory Board; co-organiser and chair, Symposium on Levels of Regulation in Plant Development, 36th meeting, Australian Society of Plant Physiologists, Canberra; with Drs A Cleary and O Schwartz, provided demonstrations on confocal microscopy and optical trapping for visiting students and staff from University of Sydney.

Dr A R Hardham, member, editorial board, *Plant Cell Physiology*; ran practical classes for the National Science Summer School; gave seminars at Ciba Geigy Inc. Research Triangle Park NC, at Department of Botany University of North Carolina in Chapel Hill, at Department of Biology University of Georgia in Athens, at Ciba Geigy Inc. Basel, Switzerland and at Bioreba Inc. Basel Switzerland; gave invited lectures at Sixth International Fungal Spore Conference in Konstanz, Germany, and at Combined conference of Australian Society for Biochemistry and Molecular Biology and the Australian Society of Plant Physiologists in Canberra; member, review panel, Plant Cell Biology Research Centre, School of Botany, Melbourne University; State representative, Australian New Zealand Society for Cell Biology.
Dr P John, invited speaker at the symposium “Levels of regulation in plant development” at a combined conference of Australian Society for Biochemistry and Molecular Biology with Australian Society of Plant Physiologists.

Dr G Wasteneys, invited to give research seminars at the University of Toronto and York University in Canada; invited speaker in the seminar series of the University of Melbourne’s School of Botany and at the symposium on Molecular Biology of the Plant Cytoskeleton at combined conference of Australian Society for Biochemistry and Molecular Biology with Australian Society of Plant Physiologists; contributed lectures to the practical class for visiting students from Sydney University and participated in the CSIRO Student Research Scheme including giving an address at the Scheme’s official launch.

Dr Williamson, member, editorial boards of Planta, European Journal of Cell Biology, Cell Biology International and Plant Journal and invited speaker at the combined conference of Australian Society for Biochemistry and Molecular Biology with Australian Society of Plant Physiologists; contributed lectures to the practical class for visiting students from Sydney University and participated in the CSIRO Student Research Scheme including giving an address at the Scheme’s official launch.

Plant Microbe Interactions Group

Dr M Djordjevic attended and gave a seminar, Emerging model legume systems: tools and advances University of Tennessee, Knoxville, Tennessee; invited speaker, 8th International Congress Molecular Plant Microbe Interactions, Knoxville, Tennessee; invited speaker, ASBMB/ASPP combined conference; attended Sydney Protein Group meeting on Glycoproteins; with Dr J Howieson and Dr W Reeves, University of Western Australia on a joint GRDC project; with Dr S Djordjevic, E Mc Arthur Agricultural Institute on the proteome analysis of Mycoplasma spp.; established a link with Dr A Martinez, NIH, USA, to investigate the effects of evolutionary conserved peptide hormones on legumes; organised complete overhaul of the 4°C and -10°C cold room facilities of the School; continued as Radiation Safety Officer and Radiation Monitor; supervisor to Honours student E Parry, University of Wollongong; with the laboratory of Dr H Spaink, Institute of Molecular Plant Sciences, Leiden, Holland by using their micro-targeting gun in experiments on transgenic clovers constructed by the PMI Group.

Professor H Naora gave seminars and lectures, Cell Technology Institute, Tokushima; Y S New Technology Institute, Tochigi, Japan and the Japan Immunoresearch Laboratories, Takasaki City, Japan.

Professor Redmond, invited to give a research seminar, on techniques for the analysis of glycoproteins and glycosaminoglycans, in the Department of Chemistry, University of Adelaide; with Macquarie University Centre for Analytical Biotechnology, he filed for a provisional patent for a new method for the fluorescent labelling of complex sugars.

Professor B Rolfe lectured at the University of Wollongong as part of an IAS outreach to other Australian Universities program; invited participant and chair, 8th International Symposium on Molecular Plant-Microbe Interactions, Knoxville, USA; lectured and invited chair for sessions at 2nd Europe Nitrogen Fixation Conference, Poznan, Poland; invited participant, lectured and consulted at the RIRDC Rice Research and Development Committee 2 day Workshop, Leeton, NSW; invited convener and chair, Australian Society for Biochemistry and Molecular Biology Inc and Australian Society of Plant Physiologists Inc, Canberra; invited participant, presented a paper and acted as consultant to 2nd working Group Meeting on assessing opportunities for nitrogen fixation and N metabolism in Rice, Faisalabad, Pakistan; also lectured and chaired a session at the 7th International Symposium on Nitrogen Fixation with Non-legumes, Faisalabad, Pakistan.

Visual Sciences Group

A James visited Dr S G Lomber, Boston University School of Medicine, spent three weeks performing experiments with Dr J Bullier at INSERM Unit 371 in Lyon, France and attended the European Neuroscience Conference in Strasbourg.

Dr Ted Maddess, demonstrator and invited speaker for the National Summer and Seimens
Science Fairs for year 11 and 9 students respectively.

R Maleszka participated in CSIRO Student Research Scheme.

I Morgan, invited to present the model of a retinal dark-light switch at a Gordon Conference on Pineal Cell Biology and at the 12th International Congress on Eye Research; presented seminars on the model in the Department of Neuroscience, Harvard Medical School, the Department of Ophthalmology, New York University, the Department of Obstetrics and Gynaecology, University of Adelaide, the Vision, Touch and Hearing Research Centre, University of Queensland, the Department of Zoology, University of Western Australia, and the Lions Eye Institute, Perth; received a joint grant with Dr Boelen from the Australian Research Council for $52,000 per annum for the period 1996–1998, and awarded a Travel Fellowship from the Australian Academy of Science to spend 6 weeks on collaborative research on form-deprivation myopia with Professor Stell at University of Calgary in 1997; invited to join the editorial board of Visual Neuroscience; organised the 3rd National Ophthalmic and Visual Science Meeting in Canberra and is part of a small working group to organise future conferences and establish a National Association for Research in Ophthalmic and Visual Sciences.

M Srinivasan, invited speaker at the Horizons of Science, Brain and Behaviour Forum, Sydney, NSW; presented invited papers at the Rank Prize Symposium on Artificial Aids for the Mobile Blind in Grasmere, UK and the 20th International Entomology Conference in Florence, Italy; gave the 1996 lecture, biennial meeting, Neurosophical Society, Adelaide, SA and a Craik Club Lecture, Department of Physiology, Cambridge, UK; gave an invited paper at the Automated Target Recognition and Tracking Conference in Sydney and seminars at the University of Sydney and the University of New South Wales; gave papers and presented posters at the Annual Meeting, Australian Neuroscience Society, Adelaide, the 13th International Conference on Pattern Recognition in Vienna, Austria and the Neuroscience Colloquium in Kiola, NSW; chaired a session at the Australian Neural Networks Conference, Canberra; member, editorial boards, Vision Research, the Journal of Insect Physiology and the Australian Journal of Intelligent Information Processing Systems; invited Daimler-Benz Visiting Fellow at the Institute of Advanced Studies in Berlin, Germany (October 1996–July 1997).


J Zeil gave a seminar lecture at the Department of Biological Sciences, Wollongong University, on Sensory Ecology; gave an invited talk at the Colour Workshop, Vision Touch and Hearing Centre, University of Queensland, on Views from Crabworld; referee for Experimental Biology, Journal of Comparative Physiology and Vision Research.

Research School of Chemistry

Dr M Banwell, consultant, Chemical Discovery Program, CSIRO Division of Chemicals and Polymers; consultant, Genencor International Inc., Palo Alto, California; chair, Organic Chemistry Division, Royal Australian Chemical Institute; member, Organising Committee, 1996 RACI/RSC Symposium 'A Celebration of Chemistry', ANU, Canberra; visiting lecturer, Chemical Engineering, James Cook University of North Queensland, Townsville; member, editorial board, Australian Journal of Chemistry, committee member, ACT branch, Royal Australian Chemical Institute.

Professor M A Bennett, member, Japan Exchange Sub-committee, Australian Academy of Science; member, Organising Committee, RACI/RSC Symposium 'A Celebration of Chemistry' ANU; Australian representative, IUPAC Commission on Nomenclature of Inorganic Chemistry; member, International Advisory Board, International Symposia on Homogeneous Catalysis; member, Organising Committee, XVIIth International Conference on Organometallic Chemistry, 1996;

Dr R Bramley, member, editorial board, 1st Asia-Pacific EPR Symposium, January 1997.

Dr C L L Chai, secretary, Royal Australian Chemical Institute (RACI), Canberra Branch.

Dr M A Collins, member, Physical Chemistry Division Committee, Royal Australian Chemical Institute.

Dr N E Dixon, member, Organising Committee, 1996 Australian Society for Biochemistry and Molecular Biology Annual Conference, Canberra.

Dr CJ Easton, national secretary, Federation of Australian Scientific and Technological Societies (FASTS); member, Division of Organic Chemistry Committee, Royal Australian Chemical Institute, member, Organising Committee, RACI/RSC Symposium ‘A Celebration of Chemistry’, Canberra; chair, Organising Committee, Molecular Recognition Symposium, Canberra.


Dr G A Heath, past president, ACT Branch of RACI; member, National Secretariat, Federation of Australian Scientific and Technological Societies; Honorary Fellow, Australian War Memorial.

Dr J K MacLeod, president, Australian and New Zealand Society for Mass Spectrometry; member, RACI Canberra Branch Fellowship Committee; member, Working Committee, International Mass Spectrometry Society, member, International Scientific Committee, 14th International Mass Spectrometry Conference, Finland, 1997; Australasian editor, *Journal of Mass Spectrometry*.

Professor L N Mander, member, Sectional Committee 3, Australian Academy of Science; external examiner in organic chemistry, Faculty of Science, University of Malaya, Kuala Lumpur, Malaysia; member, International Advisory Boards, *Dictionary of Organic Compounds*; *Journal of the Chemical Society, Perkin Transactions 1; Synthesis, Synlett and Heterocyclics*; member, Board of Consulting Editors, *Tetrahedron*.

Dr D Ollis, member, Bede Morris Fellowships Committee, Australian National Academy of Science; visiting lecturer, Senior Biochemistry and Molecular Biology, James Cook University, Townsville.

Professor L Radom, vice-president, World Association of Theoretically Oriented Chemists; member, Advisory Council, Australian Science Festival; member, International Advisory Committee, Fourth World Congress of Theoretically Oriented Chemists, Jerusalem, Israel, July 1996; member, editorial boards, *Advances in Ion Chemistry and Physics; Australian Journal of Chemistry; European Mass Spectrometry; Journal of the Chemical Society; Perkin Transactions 2; Journal of Computational Chemistry; Journal of Molecular Structure: Theochem*.

Professor R W Rickards, member, China and Germany Exchange Committee, Australian Academy of Science; member, Council, National Science Summer School; external examiner, BSc (Hons), Faculty of Science, University of Mauritius; consultant, Commonwealth Government Drugs of Dependence Regulations; member, Editorial Board, *Journal of Antibiotics*.

Dr E M Sevick, co-organiser, 19th Annual Australian Colloid and Surface Chemistry Student Conference, Murramarang NSW.

Dr J W White, chair, Neutron Scattering Commission (International Union of Crystallography); Program and Review Committee, Photon Factory, Tsukuba, Japan; chair, National Committee on Crystallography (Australian Academy of Science); chair, Scholarships Committee, Oxford Australia Fund; chair, Working Party on Future Neutron Sources in Europe (Chemistry Section) European Science Foundation; member, Australian Synchrotron Research Program (ASRP) Committee of Management; member, ASRP Policy and Review,
Cooperation with government and other public institutions

Council of the Asian Crystallographic Association; member, Management and Steering Committees, Photon Factory, Tsukuba, Japan; member, ISIS International Scientific Advisory Committee (SERC) and Neutron Advisory Panel, Rutherford Appleton Laboratory, UK; member, Nuclear Physics Advisory Committee (Australian Nuclear Science and Technology Organisation—ANSTO); member, Steering Committee, Oxford Australia Fund; member, Sectional Committee, Australian Academy of Science; member, Australian Institute of Nuclear Science and Engineering (AINSE) Neutron Scattering Specialist Committee; member, University of Sydney School of Chemistry Advisory Committee; member, Australian Academy of Science/Royal Society Exchange Program Committee; vice-president, Australian Neutron Beam Users Committee; organiser, Neutron Scattering Satellite Meeting, Gaithersburg, Washington DC; organiser, Microsymposium, 'The Structure of Magnetic and Soft Matter Films by Neutrons', International Union of Crystallography, General Assembly, Seattle, Washington; adviser on Professorial Appointments, Universiti Pertanian Malaysia; member, editorial boards, Advances in Physics; Journal of Materials Chemistry; Current Opinion in Solid State and Materials Science; Spectrochimica Acta; assessor, Chemical Physics Letters; Faraday Transactions (Royal Society of Chemistry); Journal of Physical Chemistry; Langmuir; UK Institute of Physics.

Dr S B Wild, consulting editor, Tetrahedron: Asymmetry; member, editorial advisory board, Main Group Chemistry.

Research School of Earth Sciences


Dr D R Christie, panel member, convened by Department of Foreign Affairs and Trade for technical advice on the verification of a Comprehensive Test Ban Treaty; member, Australian delegation in the negotiations in Geneva, particularly involved with the technical design of an infrasound monitoring network.

Professor D H Green, member, Council, International Mineralogical Association; member international review panel on the Ocean Drilling Program, Frankfurt, Germany and Palo Alto, USA; provided comment on global change issues to Department of Environment, Sport and Territories; an invited speaker at the Western Mining Corporation (WMC) conference in Kalgoorlie, WA at which WMC earth scientists report and review exploration programs; presented an overview of RSES research under the title 'Research at RSES—planned and unplanned interactions with mineral exploration and development'.

Dr I Jackson, editor, The Earth's Mantle: Structure, Composition and Evolution to be published in 1997 by Cambridge University Press in memory of the late Professor A E Ringwood; also completed a 12-year term as editor, Physics and Chemistry of Minerals.

Professor B L N Kennett, member, National Committee on Solid Earth Sciences, chair, Sub Committee, Seismology and Physics of the Earth's Interior; member, Academy Committee for exchange arrangements with Japanese institutions—Australian Academy of Science; conducted review of technical capability as part of the Geohazards Program Evaluation, Australian Geological Survey Organization; panel member convened by Department of Foreign Affairs and Trade for technical advice on the verification of a Comprehensive Test Ban Treaty; Pacific Region editor, Geophysical Journal International, associate editor, Physics of the Earth and Planetary Interiors; First Vice-President, International Association for Seismology and the Physics of the Earth's Interior (IASPEI).

Dr S Kesson, member, Steering Committee of bilateral research program between Japan Atomic Energy Institute (JAERI), and ANU—ANSTO and contribution to an ANSTO workshop on Synroc fabrication and characterisation; editor (with Professor T Irifune, Ehime University, Japan) The
Ringwood Volume, and member, editorial board, \textit{Physics of the Earth and Planetary Interiors}.

Professor K Lambeck, secretary (Physical Sciences) and member of Council, Australian Academy of Science; member, editorial board, \textit{Earth and Planetary Science Letters}; chair, International Union of Geodesy and Geophysics (IUGG) Committee SEDI (Study of the Earth’s Deep Interior); chair, Bilateral Science and Technology Programs; member, International Science and Technology Advisory Committee, Department of Industry, Science and Tourism; chair, Advisory Committee, Orroral Observatory, Department of Administrative Services; member, 1996 Australia Prize Committee, Department of Industry, Science and Tourism; member, Committee, Review, Geology Department, Victoria University of Wellington, New Zealand; and member, Committee, Review, Earth Sciences in the Netherlands Universities; assisted the Australian Survey and Land Information Group (AUSLIG) in establishing a gravity calibration station at Mt Stromlo, in cooperation with CSIRO and the Japanese Geographical Survey Institute and in the setting up of a superconducting gravimeter in cooperation with AUSLIG and the National Astronomical Observatory, Mizusawa.

Dr F E M Lilley, member, Geomagnetism and Aeronomy Subcommittee, Australian Academy of Science; member, editorial board, \textit{Brazilian Journal of Geophysics}.

Professor M T McCulloch, member, editorial board, \textit{Chemical Geology}.

Professor McDougall, BHP Speakers Program, Australian Science Festival, Canberra, a talk on time scale of human evolution; member, editorial board, \textit{Geology}; member, editorial board, Isotope Geosciences Section, \textit{Chemical Geology}; and member, Editorial Advisory Board, Quaternary Geochronology, an integral part of Quaternary Science Reviews.

Professor A C McLaren, member, Advisory Board, Physics and Chemistry of Minerals.

Dr H McQueen assisted Australian Survey and Land Information Group (AUSLIG) in establishing gravity calibration station at Mt Stromlo, with CSIRO and Japanese Geographical Survey Institute and in setting up of superconducting gravimeter with AUSLIG and National Astronomical Observatory, Mizusawa.

Dr C E Martin, member, international project TROPICS Working Group, which is studying the physical and chemical oceanography and sedimentology of the coastal margins of Papua New Guinea.

Dr A P Nutman, member, editorial board, \textit{Precambrian Research}, and completed his term as member, editorial board, \textit{Geology}.

Dr H O’Neill, editor, special issue of \textit{Geochimica Cosmochimica Acta} on Formation of the Earth’s Core and member, joint IASPEI–IAVCEI Inter-association Commission on Physical and Chemical Properties of Materials of the Earth’s Interior

\section{Research School of Information Sciences and Engineering}

\subsection{Automated Reasoning Project}

R P Goré, member, program committee, Conference on Theorem Proving with Analytic Tableaux and Related Methods; taught a course at European Summer School on Logic Language and Information, Prague.

J K Slaney, chair, program committee, Conference on Automated Deduction (CADE–13); trustee, CADE–Inc; member, CADE–14 program committee.

\subsection{Computer Sciences Laboratory}

R P Brent, editor, Prentice-Hall Series \textit{Advances in Computer Science}, member, editorial board, \textit{International Journal on High Speed Computing}; International Coordinator, ACM Special Interest Group on Numerical Mathematics (SIGNUM); General Co-Chair, ACM International Conference on Supercomputing (Melbourne 1998); member, Advisory Board of Software Verification Research Centre, University of Queensland; member, Program Committee, SPIE Conference on Advanced Signal Processing Algorithms, San
Diego; member, Program Committee for ASAP-96 Conference, Chicago; member, Program Committee for IEEE International Conference on Algorithms and Architectures for Parallel Processing, Melbourne; member, Australian Research Council Engineering I Panel; member, Committee to select best Australian computer science thesis; member, National Committee for Mathematics (representing Computer Science Association); member, Working Group for establishment of International Union of Computing Science and Informatics (IUCSI); member, Review Committee, James Cook University; convener, Australia Prize Specialist Advisory Group (Systems).

A N Burkitt, member, Organising Committee for Seventh Australian Conference on Neural Networks.

M Hegland; board member, ACT Branch of ANZIAM; referee, Numerische Mathematik; research Assessor, Australian Research Council.

J B Millar, member, editorial board, Speech Communication; president, Australian Speech Science and Technology Association (ASSTA) Inc; chair, National Spoken Language Database Committee of ASSTA Inc; consultant, European Commission (DG-XIII-LRE) EAGLES Project; consultant, European Commission (DG-III) Industry RTD: Long Term Research; member, Coordinating Committee for Speech Databases and Assessment (COCOSDA); convener, COCOSDA International Working Group on Speech Corpora and Labelling; member, Permanent Council, International Congress of Phonetic Sciences; secretary, Permanent Council, International Conference on Spoken Language Processing; General Technical Coordinator, International Conference on Spoken Language Processing (ICSLP–98); member, Technical Programme Board, First International Conference on Audio- and Video-based Biometric Person Authentication (AVBPA); member, Board of Summer Institute of Linguistics (Australia); chair, Summer Institute of Linguistics Australian School Committee; research assessor, Australian Research Council and Flinders and Macquarie Universities

**Systems Engineering Department**

B D O Anderson, chair, *Encyclopedia Britannica* Australian Advisory Board; director, Cochlear Ltd; editorial board member: *Applied and Computational Control, Signals, and Circuits; Journal of Multidimensional Systems and Signal Processing; Optimal Control Applications and Methods; International Journal of Adaptive Control and Signal Processing; International Journal of Robust and Nonlinear Control; The Book Series of Systems and Control: Foundations and Applications; external assessor, University of Malaya, Promotions and Appointments; Immediate Past President, International Federation of Automatic Control (IFAC) (until July 1996); member, Cooperative Research Centres Committee; member, CRA Ltd Scientific Advisory Board; member, Enabling Research and Development Advisory Group, Department of Defence; member, Australia Prize Advisory Committee; member, Asian Control Professors Association; member, International Advisory Committee for Asian Control Conference (ASCC).

P L Bartlett, Conference Co-Chair and Program Committee Chair, Seventh Australian Conference on Neural Networks; Program Committee, International Workshop on Algorithmic Learning Theory; Program Committee, European Conference on Computational Learning Theory; Steering Committee, Conference on Computational Learning Theory.

R R Bitmead, International Federation of Automatic Control (IFAC) Technical Board member and chair, coordinating committee on control Design Methods; member, International Federation of Automatic Control (IFAC) Council; member, International Federation of Automatic Control (IFAC) Technical Committee, Modelling, Identification and signal Processing; chair, Institute of Electrical and Electronics Engineers (IEEE) General, IEEE Conference on Decision and Control 2000; Institution of Engineers, Australia Corresponding member, National Committee for Automation, Control and Instrumentation; Institution of Engineers, Australia Chair of IFAC sub-committee.

**Telecommunications Engineering Group**


**John Curtin School of Medical Research**

**Division of Biochemistry and Molecular Biology**

Dr W Armarego invited Plenary Lecturer, 9th International Conference on Pteridines and Related Biogenic Amines, Port Douglas, Cairns; member, Editorial Boards of Medicinal Research Reviews and the journal *Pteridines*; examiner of PhD theses for James Cook University, Townsville; University of Sydney and University of Madras.

Professor G Cox, Organising Committee Co-Chair, Australian Society for Biochemistry and Molecular Biology/Australian Society Plant Physiologists Combined Conference; member: Academy of Science Lemburg Travelling Fellowship Committee, Selby Fellowship Committee, Bede Morris Fellowship Committee, and Gottschalk Medal Committee; assessed grant applications for the Human Frontiers Science Program; Sydney University; reviewed manuscripts for *Journal of Molecular Microbiology, Biochimica et Biophysica Acta*; member, ARC Biological Sciences Steering Committee.

Dr P Foster gave public lecture on asthma for the ACT Asthma Foundation; member, scientific organisational committee, VIIth International Malignancy Hyperthermia Workshop, University of Minnesota, USA; assessed grants for the New South Wales Asthma Foundation; reviewer for the British *Journal of Pharmacology*.

Dr J Gready, reviewer, *Journal of American Chemical Society, Journal of Physical Chemistry and Journal of Molecular Biology*. ACT Representative, Council of Australian Society for Biochemistry and Molecular Biology and on Program Committee for 1996 ASBMB/ASPP combined conference; chair, Organizing Committee, Second Australian Molecular Modelling Workshop; Board Member, Australian Genomics Information Centre; general public lectures on Mad Cow disease and adviser to government officers on research-related matters.

Dr D Jans, member, Scientific Committee for the Australian Society for Biochemistry and Molecular Biology/Australian Society Plant Physiologists Combined Conference; reviewed for RMBO Journal and Proceeding of the National Academy of Science (USA).

Dr K I Matthaei, founding member, Lorne Genome Inc; Deputy Spokesperson, Animal Research Public Education Committee (ARPEC) and Convener, Gene Targeting Workshop at the ASBMB (ASPP combined conference).

Dr D C Shaw, reviewed ARC grant application.

Dr D Tremethick, member, Scientific Committee for the Australian Society for Biochemistry and Molecular Biology/Australian Society Plant Physiologists Combined Conference.

Professor I G Young, editor, the journal *DNA Sequence*; member, Review panel for Cooperative Research Centre for Cellular Growth Factors; grant reviewer and thesis examiner for Chinese University of Hong Kong, University of Melbourne and University of New South Wales; grant applications for The Queensland Cancer Fund; and The Medical Foundation, The University of Sydney.

**Division of Immunology and Cell Biology**

Professor G L Ada, chair, Vaccine Working Group, National Centre in HIV Epidemiology and Clinical Research; member, International
Committee to advise the Swedish Government on Vaccine and Drug Research for AIDS and related Tropical Diseases; member, International Jury for the Sandoz Prizes in Immunology; member, Advisory Committee of the CRC for Biological Control of Vertebrate Pest Populations.

Professor R V Blanden, co-editor, Experimental and Clinical Immunogenetics; member, Editorial Board, Immunology and Cell Biology; member, Research Advisory Board, National Multiple Sclerosis Society of Australia; member, Research Advisory Committee, National Centre in HIV Virology Research; member, assignment panel, NH&MRC; member, Program Grant Review Panel, NH&MRC; organiser, convener, Faculty Member, ASI/FIMSA/AMRAD Advanced Training Course for Postgraduate students in Immunology.

Dr I A Clark, member, Editorial Board, Experimental Parasitology; referee, International Journal for Parasitology, Journal of Immunology, Infection and Immunity, Journal of Free Radical Research, Transactions of the Royal Society of Tropical Medicine and Hygiene, Parasitology and Parasitology Today, Journal of Infectious Disease; reviewed grant applications for NH&MRC, ARC, National Heart Foundation, World Health Organization, the University of Queensland, the Bi-national Science Foundation, and the Canadian MRC.

Dr D Cohen, member, editorial board, Oncogene; reviewer, Oncogene, Cell Growth and Differentiation; assessor, National Health and Medical Research Council, Anti-Cancer Foundation of the University of South Australia, Queensland Cancer Fund and Medical Research Fund of Western Australia.

Dr P Cooper, Public Officer, Australian Cancer Society and the Clinical Oncological Society of Australia; Consultant, ANUTECH.

Dr M Lobigs reviewed grant applications for NH&MRC and WHO.

Dr A Müllbacher, member, Australian Society for Immunology Education Committee; reviewer, Journal of Immunology, Nature Medicine Immunology and Cell Biology, faculty member, ASI/FIMSA/AMRAD Advanced Training Course for Postgraduate students in Immunology.

Professor C Parish, Editor-in-Chief, Immunology and Cell Biology.

Professor I A Ramshaw, member, Working Party Group on Immune-Based Therapies for HIV; member, editorial board, Viral Immunology; member, Australian Drug Evaluation Sub-Committee.

Dr P Waring, reviewer, Cancer Society in New South Wales, Victoria and New Zealand.

Dr D O Willenborg, member, International Advisory Board, International Society of Neuroimmunology; editorial board member, Journal of Neuroimmunology; Board member, ACT Multiple Sclerosis Society; Director, National Health Sciences Centre.

**Division of Molecular Medicine**

Dr N G Ardlie, Clinical Associate Professor, University of Sydney; member, Elective Term Committee and Haematology Block Committee, Canberra Clinical School; serves, Funds Advisory Committee, The Canberra Region Medical Foundation Limited; member, Australian Steering Committee for tracking medical pedigrees with heterozygous familial hypercholesterolemia; member, Oncology Executive Group, The Canberra Hospital; referee, Atherosclerosis, Pathology and Thrombosis Research; assessor, grant bodies including National Health and Medical Research Council, National Heart Foundation of Australia, Anti-Cancer Council of Victoria, International Science Foundation, and Merck Sharp and Dohme Research Foundation.

Dr R Baker, assessed, grants for the ARC; reviewer, Gene; member, organising committee, ASBMB 40th Annual Conference and 7th Frank and Bobbie Fenner Conference.

Professor P Board, assessed, grants for the ARC, NH&MRC, The Queensland Cancer Fund, the South Australian Cancer Council and the Heart Foundation; reviewer, Biochim et Biophysica Acta, European Journal of Biochemistry, Life Sciences, Gastroenterology and Hepatology, editorial adviser,
Biochemical Journal; treasurer, 1996 ASBMB Annual Conference; chair, organizing committee, 7th Frank and Bobbie Fenner Conference.

Dr Chelvanayagam, reviewer, *Journal of Molecular Evolution, Immunology and Cell Biology* and *Journal of Molecular Biology*.

Professor W F Doe, member, Scientific Advisory Committee, Australian Cancer Research Foundation, Advisory Committee, National Centre for Epidemiology and Population Health; director, Gastroenterology Unit at The Canberra Hospital; member, Council, Royal Australasian College of Physicians; chair, Research Advisory Committee; editor, *Journal of Gastroenterology and Hepatology*; member, editorial board, *Inflammatory Bowel Disease*, reviewer, Gut, Gastroenterology, Cytokines, Clinical and Experimental Immunology; member, Steering Committee National Demonstration Hospitals Medical Admissions Program; member, NH&MRC regional grants interviewing committee; Patron, Canberra Canerians Committee; member, Australian Academy of Forensic Science; member, Menzies School of Public Health in Darwin; Professor of Medicine, University of Sydney; member, Board of Studies, Research Precinct Committee, Elective Team Committee, Canberra Clinical School.

Dr S Easteal, Associate Editor, *Molecular Biology and Evolution, The Journal of Molecular Evolution*; member, Board of Directors, Executive Committee, Australian Genome Information Centre; served, Advisory Committee, NH&MRC Social Psychiatry Research Unit; gave expert evidence and advice in relation to DNA evidence to the Legal Aid Commission of New South Wales and to the Tasmanian Director of Public Prosecutions.

Dr Gao, served, Asia and Oceania Histocompatibility Committee.


Dr L S Jermiin, assessor, Australian Research Council; referee, *Gene, Molecular Biology and Evolution*, and *Journal of Molecular Evolution*.

Professor K J Lafferty, member, editorial boards: Autoimmunity, Cell Transplantation, Immunology and Cell Biology, *Journal of Autoimmunity, Today's Life Science, Transplant Immunology*; member, Medical Research Committee, National Health and Medical Research Council, Department of Health and Human Services; Board Member, Canberra Region Medical Foundation Limited; chair, Board, National Health Sciences Centre; member, Scientific Advisory Board, American Diabetes Association; member, Board of Studies, Canberra Clinical School, University of Sydney Faculty of Medicine; member, Executive Council, Immunology of Diabetes Society.

Dr P McCullagh, president, National Brain Injury Foundation; treasurer, National Churches Working Group on AIDS; member, Australian Health Ethics Committee, Transplantation Ethics Working Group of that Committee; honorary medical adviser, Vietnam Veterans Association of Australia legacy and the Returned and Services League of Australia.

Dr C Simeonovic, grant assessor for NH&MRC and Diabetes Australia Research Trust.

**Research School of Pacific and Asian Studies**


**Director's Section**

**Strategic and Defence Studies Centre**

Professor D Ball, member, MBA Advisory Board; member, RAAF Staff College Academic Board; member, Advisory Board Deakin University;
member, Council of International Institute for Strategic Studies, London.

Professor P Dibb, member, Steering Committee, Program Evaluation of Strategy and Force Development, Department of Defence; member, Enabling Research and Development Advisory Group, Department of Defence; member, Australian Defence Force Academy Council, University of New South Wales.


Dr D Horner, chair, Australian Dictionary of Biography, Armed Forces Working Party; member, Australian Army Military History Projects Committee; member, Kokoda Track Memorial Walkway Committee; member, Joint Services Staff College Academic Advisory Board; member, Returned Services League of Australia Defence Committee; visiting fellow, military history, Australian Army's Command and Staff College.

Division of Archaeology and Natural History

W R Ambrose, member, Human Impacts Program Advisory Committee, Antarctic Science Advisory Committee.

Professor A J Anderson, adviser, South Island Maori Rock Art Project, Ngai Tahu Maori Trust Board, New Zealand; member, Komiti Tuku Iho (Heritage Committee), Ngai Tahu Maori Trust Board, New Zealand.

M Bourke, consultant, Sydney Water Board; Australian representative, Palaeohydrology of the World's largest drainage basins, a Working Group of the INQUA Commission on Continents and Global Palaeohydrology.


J Cameron, assistance, artefact identification and analysis with the Institute of Archaeology, Hanoi, Vietnam.

P English, assistance, CRC LEME; Australian Geological Survey Organisation; Water Resources Branch, NT Department of Lands, Planning and Environment; Arid Zone Research Centre, CSIRO, Alice Springs.

Professor R M Jones, convener, Research Committee, Australian Institute of Aboriginal and Torres Strait Islander Studies.

Dr M Macphail, cooperation, Australian Geological Survey Organisation; Geological Survey of NSW; Mines and Energy (South Australia); Royal Botanic Gardens of NSW.

J Neale, cooperation, IASOS, University of Tasmania, CRC; cooperation, Geography Department, University of NSW.

Dr M Spriggs, member, Pacific Islands Liaison Centre Advisory Committee; member, Lana'i Island Archaeology Advisory Board, BP Bishop Museum, Honolulu, USA.

Dr A G Thorne, consultant, Taronga Zoo, Sydney; consultant, Royal Melbourne Zoo; examiner and assessor, human evolution site of Sangiran for Indonesian World Heritage Site for Indonesia and UNESCO.

Division of Economics

Department of Economics


Dr C Barlow, cooperation, Rubber Research Institute of India, Palm Oil Research Institute of Malaysia, Universitas Kristen Artha Wacana, Kupang, Balai Pengkajian Teknologi Pertanian Naibonat, Kupang, Centre for Policy and Implementation Studies, Jakarta.
Dr D Etherington, cooperation, Director of Agriculture, Government of Fiji; consultant, United Nations Industrial Development Organisation, World Vision International.

Dr G Fane, member, Economics Library Advisory Committee.

Professor R Garnaut, director, Australian United Steel Ltd; chair, Lihir Gold Ltd; chair, Australian Centre for International Agricultural Research; chair, Asia Pacific Economics Group Pty Ltd; director, Sydney Institute; member, International Advisory Board, Asia Society (New York); member, International Advisory Board, East West Centre; member, International Advisory Board, University of Hawaii (Honolulu); member, International Advisory Board, China Center for Economic Research (Beijing).

Dr K P Kalirajan, report, Australian Bureau of Statistics; reports, Department of Foreign Affairs and Trade.

Professor W McKibbin, report, Reserve Bank of New Zealand; report, Department of Environment, Sport and Territories; report, Department of Foreign Affairs and Trade; cooperation, Canadian Department of Finance; cooperation, US Congressional Budget Office; cooperation, US Department of Agriculture; member, Centre for Economic Policy Research Advisory Board; member, International Economic Database Advisory Board; member, Committee of Economic Society of Australia.

Dr C Manning, consultant, World Bank-Indonesian Ministry of Manpower; consultant, Asian Development Bank.

Dr G Rao, member, Indian Economic Association; member, American Economic Association.

Dr R Shand, cooperation, AusAID, Board of Investment, Sri Lankan Export Development Board, Institute of Policy Studies, Ceylon Chamber of Commerce and Industry, Central Electricity Authority of India, Central Board of Irrigation and Power, Energy Division of Planning Commission in New Delhi, National Thermal Power Corporation, Administrative Staff College, Andhra Pradesh State Electricity Board, Rajasthan State Electricity Board, Haryana State Electricity Board, Madras School of Economics, Department of Foreign Affairs and Trade, Agro-Economic Research Centre, Institute of Economic and Social Change, National Council of Applied Economic Research.

Dr R Trewin, discussions, Productivity Commission; consultation, AusAID.

Professor P Warr, member, Board of National Thai Studies Centre; President-elect and committee member, Australian Agricultural and Resource Economics Society, Canberra Branch; cooperation, Asian Development Bank, AusAID; special adviser to Director-General, Office of Agricultural Economics, Ministry of Agriculture and Cooperatives, Thailand.

**Australia-Japan Research Centre**

Professor P Drysdale, member, Academic Advisory Board, Asia Pacific Center for Business and Economics, Brandeis University; member, Australian Proteome Analysis Facility, School of Biological Sciences, Macquarie University; member, International Advisory Board, China Center for Economic Research, Peking University; member, Board of The Sydney Institute; member, Asia-Pacific Board of Economists, *Time* magazine; member, Australian Pacific Economic Cooperation Committee (AUSPECC); member, Pacific Economic Cooperation Conference International Standing Committee; adviser, Asia-Pacific Foundation of Canada; adviser, Japanese Ministry of Finance Institute of Fiscal and Monetary Policy Research; adviser, Japanese Ministry of International Trade and Industry Research Institute; member, Foundation for the Advancement of Information and Research (FAIR) Japan; coordinator, Pacific Trade and Development Conference series; consultant, Dairy Research and Development Corporation; adviser, APEC Ministerial Secretariat Manila on APEC Individual Action Plans.

Dr K Tabusa, consultant, Australian Political Exchange Program.

V Taylor, committee member, Japanese Studies Association of Australia; committee member, Law
Cooperation with government and other public institutions

Council of Australia, Int'l Trade and Business Law Committee.

National Centre for Development Studies

G Crough, consultant, Australian Taxation Office; consultant, AIATSIS.

Dr R Duncan, consultant, AusAID; consultant, ESCAP.

Dr C Fletcher, consultant, Legislative Assembly of NT, Constitutional Development Committee; committee member, CRC Darwin; committee member, fatsis/ANTA.

Dr Y Huang, consultant, APEC; consultant, ILO.

Dr C Hunt, consultant, ESCAP; consultant, Australian Council of International Agricultural Research; consultant, Foreign Investment Advisory Service of World Bank.

Dr M Keen, member, Department of Primary Industries and Energy, Vertebrate Post Program.

Dr P Larmour, consultant, Citizen’s Constitutional Forum, Fiji.

A Lawson, consultant, AusAID.

Dr S Leung, member, ACT Electricity and Water Board.

Dr D Robertson, consultant, European Institute of Japanese Studies, Stockholm School-Roundtable; consultant, OECD; consultant, Asia Pacific Trade Study Gaston Sign Centre, George Washington University.

Dr C Sylvester, consultant, University of Minnesota Press.

Dr I Temu, consultant, ESCAP; member, AusAID; consultant, AusAID; member, Papua New Guinea private sector working committee, AusAID.

Dr P Thomas, consultant, UNICEF; consultant, WHO/UNICEF/UNDP/UNFPA; consultant, UNICEF/Government of South Africa; committee member, ACFOA/AusAID.

Dr N Vousden, member, Joint Schools Postgraduate Scholarship Committee.

Dr Y Yang, consultant, ESCAP.

Division of Pacific and Asian History

Dr G Barmé, member, Asia Young Leaders’ Forum Steering Committee; consultant, Young Scholars in China Program.

Division of Politics and International Relations

Department of International Relations


G Fry, lecturer/consultant, Overseas Service Bureau.

Professor A Mack, consultant, Canberra Commission on the Elimination of Nuclear Weapons; adviser, East-West Center, Hawaii; Project on Asian Conceptions of Theory; adviser, Course Curricula, Australian College of Defence and Strategic Studies.

Dr S Lawson, vice-president, Australasian Political Studies Association; executive member, International Political Science Association Research Committee on Politics and Ethnicity; member, Research Committee, Australian Institute of International Affairs; member, International Advisory Board, Pacific Islands Political Studies Association; executive council member, Commission on Internal Conflict (ICON), International Peace Research Association; assessor, Australian Research Council Large Grants Scheme.

Dr J Ravenhill, chair, Research Committee, Australian Institute of International Affairs.

Peace Research Centre

Professor R Thakur, member, National Consultative Committee on Peace and Disarmament (NCCPD); member, Public Advisory Committee on Disarmament and Arms Control, New Zealand (PACDAC).
Department of Political and Social Change
Northeast Asia Program

Dr G Austin, consultant, China-Japan Political and Security Relations, Department of Foreign Affairs and Trade.

Professor S Harris, president, Remuneration Tribunal; member, Trade Policy Advisory Council; co-chair, Australian Committee on Security Cooperation in Asia-Pacific; member, Council on Asia-Europe Cooperation; assessor, ARC; consultant, China-Japan political and security relations, Department of Foreign Affairs and Trade.

Division of Society and Environment

Department of Anthropology

S Dunlop, consultant, Aboriginal Areas Protection authority, Central Australia.

Professor J J Fox, external examiner, Anthropology and Sociology, University of Malaya; member, New Zealand Universities Academic Audit Unit.

Dr A Rumsey, consultant, for ATSIC.

Dr K Robinson, consultant, Vietnam Youth Federation Project; consultant, Australian International Development Assistance Bureau.

Dr E Stutchbury, Australian representative, Voluntary organisation implementing various projects on behalf of the Tibetan people and their culture, Association for International Solidarity in Asia.

Department of Human Geography

Dr B J Allen, team leader, AusAID Project 4047.

Dr R M Bourke, executive committee, ACT and southeast NSW Branch, Australian Institute of Agricultural Science; staff trainer, MASP Training Course, Department of Agriculture and Livestock, PNG; staff trainer, MASP Training Course, University of Papua New Guinea; staff trainer, MASP Training Course, University of Technology; staff trainer, MASP Training Course, Cocoa and Coconut Research Institute, PNG; staff trainer, MASP Training Course, Coffee Industry Corporation, PNG; staff trainer, MASP Training Course, Coffee Research Institute, PNG; staff trainer, MASP Training Course, Departments of Morobe, East New Britain and Manus, PNG; staff trainer, MASP Training Course, National Mapping Bureau, PNG; staff trainer, MASP Training Course, Department of Environment and Conservation, PNG; member Workshop Planning Committee, Australian Institute of Agricultural Science.

D Craig, adviser, Traditional and Modern Medicines Research Program, Community Health Research Unit, Hanoi Medical School.

Professor G J R Linge, chair, Publications Standing Committee, Academy of the Social Sciences in Australia; member, Workshop Standing Committee, Academy of the Social Sciences in Australia.

Dr A J Murray, co-convener, Queer and Esoteric Workers Union (Sydney); executive member, Australian Federation of AIDS Organizations (Sydney).

Professor P J Rimmer, member, ACT Board of Senior Secondary Studies (Geography and Asian Studies Panels); member, Infrastructure and Planning Project (IAPP), Canberra.

Professor R G Ward, member, Council, University of Papua New Guinea; member, Council, National University of Samoa; member, International Relations Committee, Academy of Social Sciences Australia; vice-president, Pacific Science Association; chair, Standing Committee on Scientific Activities, Pacific Science Association.

Department of Linguistics

Dr D T Tryon, member, Australian South Pacific Cultures Fund (DFAT).

Contemporary China Centre

Dr J Unger, fellow, Asia Research Centre, Murdoch University; member, Board of Directors, Universities Service Centre, Chinese University of Hong Kong.

Dr Ding X, member, Huangshan Overseas Friendship Association, China; senior adviser, Harbin Institute for Property Rights Transactions, China; adviser, The Hainan Research Center for
Agricultural Modernization; adviser, The Xiamen Institute of International Economics, China.

Research School of Physical Sciences and Engineering

Department of Applied Mathematics

Dr A Hyde, guest editor, special issue, *Colloids and Surfaces A: Physico-chemical and Engineering Aspects*, a Festschrift for Professor B Ninham.

Professor S Marcelja, member, Japan Exchange Committee, Australian Academy of Science.

Dr A M Stewart, member, Program Committee, International Conference on Magnetism, Queensland in 1997.

Atomic and Molecular Physics Laboratories

Dr S J Buckman, member, advisory committee, National Centre for Theoretical Physics Workshop on Electron Interactions with Atoms and Molecules, ANU; session organiser, Atomic, Molecular and Optical Physics, 12th Australian Institute of Physics Congress, Hobart; member, ACT Branch, Australian Institute of Physics; guest editor, *Australian Journal of Physics; Advances in Atomic and Molecular Physics and Spectroscopy;* proceedings of the Advanced Workshop on Atomic and Molecular Physics.

Professor J H Carver, chair, review panel to evaluate the outcomes, ARC research grant funding in experimental physics; Australian National Representative, COSPAR, International Committee on Space Research.

Professor L T Chadderton, founding editor, *International Journal of Radiation Effects and Defects in Solids* (formerly Radiation Effects); member, editorial advisory board, *Journal of the Physics and Chemistry of Solids;* member, editorial advisory board, *Nuclear Tracks and Radiation Measurement;* member, editorial advisory board, *International Materials Science Forum;* member, editorial advisory board, *Thin Films;* member, Steering Committee, Bilateral Science & Technology Agreement, Mexico and Federal Government of Australia; member, United Nations Committee on Photovoltaic Applications in Less-Developed Countries, UN Centre for Science and Technology for Development; member, International Committee, Biennial conference series on Radiation Effects in Insulators; member, Internal Committee, Biennial conference series on Ion Beam Analysis; member, International Committee, Biennial conference series on Particle Tracks in Solids; Visiting Professor of Physics, Autonomous National University of Mexico (UNAM), Mexico; Visiting Professor of Physics, Hahn-Meitner Institute, Berlin; Visiting Professor of Physics, NEHU University, Shillong, India; Jawaharlal Nehru Distinguished Visiting Professor of Physics, University of Hyderabad; lecturer, Physics, High Schools and Colleges, ACT schools district; Visiting Professor of Physics, University of Calabria, Cosenza, Italy; Visiting Professor of Physics, State Technical University of Siberia, Novosibirsk, Russian Federation.

Professor R W Crompton, Past-President, Australian Institute of Physics; member, Science Policy Committee, Australian Institute of Physics; member, board and executive, Australian Journals of Scientific Research; vice-president, Australian Fulbright Association; member, editorial advisory board, *Physics of Atoms and Molecules; Adjunct Professor, University of Oklahoma.*

Dr M T Elford, member, editorial board, *Australian Journal of Physics.*

Dr B R Lewis, member, international advisory board, International Conferences on Vacuum Ultraviolet Radiation Physics; associate editor, *Journal of Quantitative Spectroscopy and Radiative Transfer.*

Professor E Weigold, secretary (Physical Sciences), member, council and executive committee, Australian Academy of Science; chair, editorial board, *Australian Journal of Physics;* Associate Director, Electronic Structure of Materials Centre, Flinders University; member, International Scientific Committee, International Symposium on *(e,2e)* Double Photoionisation and Related Topics, Rome, 1997; member, Scientific
Committee, Euroconferences on Coincident Studies of Electron and Photon Impact Ionisation, Belfast; member, board, Australian Photonics CRC; member, Consultative Committee, Australian Academies; chair, review committee, Department of Physics, Monash University; member, Alumni Association Steering Committee; member, Sagamore XII Program Committee, Washesiu, Canada, July, 1997.

Dr L A Woolf, chair, Credit Union of Canberra; member, Ministerial Consultative Committee on Non-GovernmentSchooling.

Department of Electronic Materials Engineering


Professor N H Fletcher, chair, Antarctic Science Advisory Committee; chair, Australian Academy of Science Primary School Science Project; visitor, CRC for Molecular Engineering & Technology and CRC for Southern Hemisphere Meteorology; member, board, CRC for Antarctic and Southern Ocean Environment; member, Physical, Chemical and Mathematical Sciences Panel, Australian Research Council; editor-in-chief, *Acoustics Australia*; chair, ACT Branch, Australian Institute of Physics.

Dr C Jagadish, vice-chair, IEEE ACT Section; chair, IEEE Australian Chapter, Electron Devices Society and Lasers and Electro-optics Society; member, IEEE Electron Devices Society (EDS) Publications Committee; editor, EDS Newsletter; member, program committee, 9th Conference on Semiconducting and Insulating Materials, Toulouse, France; member, program committee, 9th Annual Meeting, Lasers and Electro-Optics Society, San Francisco, USA; chair, 1996 Conference on Optoelectronic and Microelectronic Materials and Devices (COMMOD'96) Canberra; member, program committee, COMMOD 96.


Laser Physics Centre

Dr K G H Baldwin, member, editorial board, *Quantum and Semiclassical Optics*; member, National Committee for Physics, Australian Academy of Science; member, National Committee for Spectroscopy, Australian Academy of Science; member, Australian Optical Society Council; member, editorial board, *Australian Optical Society News*; vice-chair, ACT Branch Committee, Australian Institute of Physics; member, Science Policy Committee, Australian Institute of Physics; member, Australasian Council on Quantum Electronics; member, Australian Conference on Optics, Lasers and Spectroscopy Liaison Committee; chair, Science Policy Committee, Federation of Australian Scientific and Technological Societies; member, international advisory committee, Optical Society of America; member, international council, Quantum Electronics; member, general organising committee, International Quantum Electronics Conference '96.

Dr E Gamaly, consultant, Redstone Mining Pty Ltd, Artarmon, NSW.
Professor B Luther-Davies, Director, Australian Photonics Co-operative Research Centre Canberra; member, program committee, International Quantum Electronics Conference '96; chair, program committee, OSA Topical Meeting on Nonlinear Guided Waves and their Applications, Cambridge, UK; program co-chair, OSA Topical Meeting on Nonlinear Guided Waves and their Applications, 1998; consultant, Redstone Mining Pty Ltd, Artarmon, NSW.

Dr N B Manson, member, International Conference on Dynamic Processes in Excited States of Solids; member, International Conference on Luminescence; member, program committee, International Quantum Electronics Conference.

Dr A Rode, consultant, Redstone Mining Pty Ltd, Artarmon, NSW.

Dr M Samoc, member, editorial board, Photonics Science News

Department of Nuclear Physics

Dr A P Byrne, member, committee and minutes secretary, ACT branch, Australian Institute of Physics.

Dr M Dasgupta, committee member, ACT branch, Australian Institute of Physics; member, organising committee, FUSION '97 International Conference; member, organising committee, NUPP Summer School, 1997.

Professor G D Dracoulis, joint chair, organising committee, 16th AINSE Conference on Nuclear and Particle Physics; nuclear physics leader, 12th AIP Congress; member, international advisory committee, International Conference on Nuclear Spectroscopy, Crete; member, international advisory committee, International Conference Nuclear Structure at the Limits, Argonne National Laboratory; chair, nuclear and particle physics group (NUPP), Australian Institute of Physics; member, joint UK/ANU panel advising the EPSRC on allocation of beam-time under the provisions of the ANU-EPSRC Agreement; external member, physics advisory panel, National Accelerator Centre, Faure, South Africa.

Dr D J Hinde, member, international advisory committee, 6th International Conference on Nucleus-Nucleus Collisions, Tennessee, 1977; member, organising committee, FUSION '97 International Conference; member, organising committee, NUPP Summer School, 1997.

Dr J R Leigh, vice-chair, ACT Radiation Council; chair, organising committee, FUSION '97 International Conference; member, editorial board, Journal of Physics G: Nuclear and Particle Physics; member, organising committee NUPP Summer School, 1997.

J Mein, invited speaker and presenter on public speaking, National Youth Science Forum, Canberra.

Dr S M Mullins, member, organising committee, NUPP Summer School, 1997.

Professor J O Newton, member, international advisory committee, International Conference on Nuclear Dynamics at Long and Short Distances, Brazil.

Professor T R Ophel, vice-president, Council of Australian Institute of Nuclear Science and Engineering; convener, AINSE Accelerator Science Specialist Committee.

Dr A E Stuchbery, member, committee and social secretary, ACT branch, Australian Institute of Physics; supervisor, students projects within the CSIRO Research Students Scheme; guest lecturer, Science and Religion to year 12 general studies class, Canberra Grammar School; chair, organising committee, NUPP '97—Nuclear and Particle Physics Summer School, Robertson, NSW 1997; member, organising committee, FUSION '97 International Conference.

Dr S R Taylor, bureau member, International Lithosphere Program; member, nominations committee, International Association of Geochemistry and Cosmochemistry; associate editor, Geochimica et Cosmochimica Acta; associate editor, Meteoritics; member, Joint Publications Committee, Geochimica et Cosmochimica Acta; member, Joint Publications Committee, Meteoritics.
Optical Sciences Centre

Dr Yu S Kivshar, co-organiser, BRIMS Workshop on Mathematical Methods in Nonlinear Optics, Bristol, UK; member, organising committee, IQEC'96 Satellite Meeting on Guided-Wave Propagation and Devices, Canberra.

Professor J D Love, member, steering committee, 21st Australian Conference on Optical Fibre Technology, Southport, Qld; Director, Siemens Science and Engineering School, ANU; member, technical program committee, SPIE Symposium Photonics China '96, Beijing; adjudicator, Semiconductor and Integrated Opto-Electronics conference, Cardiff, Wales.

Professor S W Snyder, member, editorial board, Pure and Applied Optics; lecturer, Let Light be the Master of its Own Destiny at Horizons of Science, Centre for Science Communication, Sydney.

Plasma Research Laboratory

Dr G G Borg, editor, Czech Journal of Physics.

Dr R W Boswell, editor, Plasma Services Science and Technology.

Professor R L Dewar, member, ACT branch committee, Australian Institute of Physics; member, executive committee, ANU branch of the NTEU-Academic Section; member, program committee, 1997 AINSE Plasma Science and Technology Conference; member, program committee, First Asia Pacific Plasma Theory Conference, Taejeon, Korea; member, international advisory committee, International Conference on Plasma Physics, Nagoya, Japan.

Dr H J Gardner, member, C20 Commission on Computational Physics of the International Union of Pure and Applied Physics (IUPAP).

Department of Theoretical Physics

Professor R J Baxter, member, editorial board, Journal of Physics A, Mathematical and General, member, editorial board, Journal of Geometric and Functional Analysis; member, advisory board, Physica A; member, editorial committee, Philosophical Transactions of the Royal Society, Series A; member, editorial board, Annals of Combinatorics; member, management committee, National Institute for Theoretical Physics.

Dr M P Das, convener, Gordon Godfrey Condensed Matter Workshop on the Magnetism and Magnetic Materials, UNSW; member, editorial board, Condensed Matter and Materials Communications; member, management committee of the 1996 ARC RIEF Program, University of Wollongong; member, working party, National Centre for Theoretical Physics; convener, 9th Physics Summer School on Computational Physics; convener, 10th Physics Summer School on Physics of Novel Materials; member, organising committee, Workshop on Electron Interaction with Atoms and Molecules.

Professor R L Dewar, member, ACT Branch Committee, Australian Institute of Physics; member, executive committee, ANU branch, NTEU-Academic Section; member, program committee, 1997 AINSE Plasma Science and Technology Conference; member, program committee, First Asia Pacific Plasma Theory Conference, Taejeon, Korea; member, international advisory committee, International Conference on Plasma Physics, Nagoya, Japan.

Dr H J Gardner, member, C20 Commission on Computational Physics of the International Union of Pure and Applied Physics (IUPAP).

Dr M Gulacsi, member, editorial board, Philosophical Magazine B; presented lecture, Royal Doulton Never Had This In Mind at the Australian Science Festival.

Dr K Kumar, member, editorial board, Transport Theory and Statistical Mechanics.

Dr B A Robson, member, organising committee, 16th AINSE Nuclear and Particle Physics Conference, Hobart, member, organising committee, Workshop on Electron Interaction with Atoms and Molecules; member, organising committee, NUPP Summer School, Robertson, NSW, 1997; member, organising committee, International Workshop on Heavy-Ion Collisions at Near-Barrier Energies, 1997.
Research School of Social Sciences

Director's Section

Dr V Braithwaite, member, Aged Care Advisory Committee for the ACT; Reference Group, Respite Care Review, Commonwealth Department of Human Services and Health; Consultative Committee, Staffing, Planning and Administration Review; chair, Ethics Committee, Australian Institute of Criminology.

Professor P Pettit, member, Australian Health Ethics Committee 1994–97, with active role in Research Ethics Subcommittee; chair, Australian Committee for Summer School in Philosophy: China, Britain, Australia; external examiner in Philosophy, Hong Kong University, 1996–99; treasurer and Chair, Selection Committee, Australian European University Fellowships Committee.

Division of Demography and Sociology

Centre for Immigration and Multicultural Studies

Dr J Jupp, international member, Refugee Studies Centre, York University, Canada; member, Canberra Regional Committee on Migration, Planning and Settlement, Department of Immigration and Multicultural Affairs; Advisory Board, Encyclopedia of Australian Culture, Advisory Board, European Studies Centre, University of New South Wales; International Relations Committee, Academy of the Social Sciences in Australia; adviser for the National Maritime Museum exhibition on migration; member, Asia Pacific Migration Research Network of the UNESCO-MOST program.

Dr B York, member, Literature Panel of the Arts and Cultural Development Unit of the ACT Government Cultural Council; consultant to The Malta Yearbook.

Demography Program

Dr H Booth, adviser, Japan International Cooperation Agency.

Dr G Carmichael, member, Council and convener, W D Borrie Essay Prize Competition, Australian Population Association.

Dr A Hayes, consultant, Hassall & Associates Pty Ltd for the AusAID funded, Ningxia Family Planning, Women's and Children's Health Project.

Dr T Hull, consultant, Asian Development Bank, for the project, Enhancing the Quality of Reproductive Health Care in Indonesia; National Family Planning Coordinating Board, for the World Bank funded study, Organizational History of the Indonesian Family Planning Program; Family Health International (North Carolina, USA), for the USAID funded study investigating The Impact of Family Planning on Women's Lives; seconded to the Health Research Center, University of Indonesia.

D Ison, IELTS Examiner, University of Canberra and ANUTECH.


Dr D Lucas, president, Welsh Cambrian Society of the ACT; initiated a computerised database of Welsh Australians; member, Executive Committee, Australian Reproductive Health Association.

Dr D Lucas and Dr C McMurray, Joint Secretaries, African Studies Association of Australasia and the Pacific.

Dr P McDonald, member, Board of Trustees, International Centre for Diarrhoeal Disease Research, Bangladesh; Board member, Relationships Australia (Canberra and Region); assisted Relationships Australia at national and regional level in on-going research and addressed annual general meeting; planning for report, Australia's Welfare 1997, Australian Institute of Health and Welfare; member, Advisory Group for Budget Standards Study, Social Policy Research Centre of the University of New South Wales; Advisory Committee for DYNAMOD model, National
Centre for Social and Economic Modeling of the University of Canberra; preparation of review paper, Academy of the Social Sciences of Australia; attended planning meeting, National Key Centre for Social Applications of Geographical Information Systems, Adelaide; evaluation of proposals for Australian Research Council and Foundation for Research, Science and Technology, New Zealand; panel member, Annual Conference, Australian Society for Human Biology; addressed Annual General Meeting, Parent Support Service ACT.

Dr C Young, member, ACT Electoral Commission and Committee for the Advancement of University Teaching; assessor, University of Queensland Staff Research Grant Scheme; DEETYA National Teaching Development Grants; one of two formal discussants for the Knibbs Lecture held under the auspices of the Statistical Society of Australia, ACT Branch.

Dr Z Zhao, interviewed, SBS radio, family planning program in China.

Sociology Program

Professor J A Barnes, reappointed Foundation Member, International Advisory Board, Anthropological Forum, University of Western Australia.


Dr C Bean, guest lecturer, University of Canberra, assessor of research grant applications for Australian Research Council, University of Queensland and Queensland University of Technology; examiner of PhD theses for the University of New South Wales; assessor of promotion application for University of Western Australia.

Professor F L Jones, chair, Council of Australian Council for Social and Political Research (Inc).

Professor J Wajcman, member, Council, Society for the Social Studies of Science.

Dr M Western, specialist SAS software trainer to Comcare Australia; masters thesis examiner for University of Queensland; interviews with The Age newspaper.

Division of Historical Studies

Australian Dictionary of Biography

S Edgar, member, Advisory Board, Writers' Centre, University of Canberra.

Dr D Langmore, six talks to various community organisations, Canberra, and ten radio programmes (ABC, 2CN) on Prime Ministers' Wives.

Professor J D Ritchie, lecturer, Joint Services Staff College; guest lecturer, Australian College of Defence and Strategic Studies; member, Advisory Committee, Australian National Dictionary Centre; Australian Universities' Advisory Committee to the Encyclopaedia Britannica; Board-member, Biographical Dictionary of the Australian Senate.

Dr M J E Steven, councillor and treasurer, Independent Scholars Association of Australia.

History Program

Professor P Bourke, president, Academy of the Social Sciences in Australia; vice-president, Australian Historical Association (AHA) to July, and member, Executive Committee, AHA, from July; member, Australian National Commission for UNESCO; Academic Audit of Otago University. (See also Research Evaluation and Policy Project).

G Briscoe, director, Fred Hollows Foundation; member, Establishment Committee, Research Centre of Indigenous Health within the National Centre for Epidemiology and Population Health.

Professor B Higman, member, Council of the Institute of Early American History and Culture, Williamsburg, Virginia, USA; Hancock Book Prize Committee, AHA.

Dr J MacCulloch, member, Exhibition Committees—'Women and Bushwalking' and 'May Gibbs and the Gumnuts', National Library of Australia.

Professor J Passmore, patron of and speaker to Society for Introducing Philosophy in Schools.
Division of Philosophy and Law

Law Program

Professor J B Braithwaite, council member, Australian Consumers’ Association; International Society for Criminology; consultant, Australian Law Reform Commission; member, Advisory Committee, Institute of Criminology, University of Sydney; Council on Business Regulation; board member, Research Committee on Crime and Social Control, International Sociological Association; vice-president, Australian and New Zealand Society of Criminology.

Professor M A Neave, president, Administrative Review Council; member, Executive Committee, Academy of the Social Sciences in Australia; Council, Australian Institute of Judicial Administration; Advisory Board, Justice Research Centre, NSW Law Foundation; Visiting Professor, New York University Law School’s Global Law School Program.

Philosophy Program

Professor R E Goodin; member, International Program Committee, Nobel Symposium; Executive Committee (Panel C), Academy of Social Sciences in Australia; Leo Strauss Dissertation Prize Committee, American Political Science Association; member (Australian Representative), Executive Committee, Society for the Advancement of Socio-Economics; Founding Board, Committee on the Political Economy of the Good Society (PEGS); advisory board, Centre for Philosophy & the Environment, University of Manchester, UK.

Dr M A Smith, Information Officer, Australasian Association of Philosophy.

Division of Politics and Economics

Centre for Economic Policy Research

Dr J Borland, consultant, Australian Competition and Consumer Commission; Victorian Department of Business and Employment; International Monetary Fund, Review of labour market issues in Australia.

Professor B J Chapman, consultant, Office of the Prime Minister; Government of Papua New Guinea; Australian Council of Deans of Education; Rothschilds Australia; member, Advisory Committee, National Centre for Social and Economic Modelling, University of Canberra; Committee member, Economic Society of Australia (Canberra Branch).

Dr W Jack, consultant, World Bank.

Dr R Pitchford, consultant, Australian Competition and Consumer Commission.

Economic History Program

Dr J Edwards, adviser, Australian members, APEC Business Forum; adviser to Australian Member of the APEC Eminent Persons Group; chief economist, Societe Generale Australia.

Dr R H Grove, coordinator, Global Environmental History Unit, University of Cambridge; Tropical Forest History Research Programme of International Union of Forest Research Organisations (IUFRO), 1995–1998; member, Smithsonian Museum (New History Museum); New Exhibits and Planning Committee, Smithsonian Museum, Washington DC; external member, Cambridge University Inter-disciplinary Environment Committee; research associate, Ancient India and Iran Trust, Cambridge UK; supervision of PhDs at University of California, Berkeley, and at University of Cambridge.

B Howarth, assistant secretary, Canberra Branch, Australian Society for the Study of Labour History.

Dr R V Jackson, acting secretary, Economic History Society of Australia and New Zealand; organiser, Conference of the Economic History Society of Australia and New Zealand, University of Queensland.

Professor G D Snooks, executive member, Economic History Society of Australia and New Zealand; member, Board of Advisers, History of Global Change Project (USA).

Economics Program

Dr D Cobb-Clark, consultant to ACT Government on input costs and fiscal equalisation.
Professor R G Gregory, Board member, Australian Institute of Family Studies; deputy chair, National Childcare Industry Council; consultant, Department of Transport and Regional Development; research associate, National Institute of Labour Studies, Flinders University; member, Australian Bureau of Statistics Economic Statistics User Group; lecturer, Defence Senior Management Course, Defence Science and Technology Organisation.

Dr S King, consultant, Australian Competition and Consumer Commission; Independent Pricing and Regulatory Tribunal of NSW.

Professor A R Pagan, board member, Reserve Bank of Australia; professorial associate, Institute of Applied Economic and Social Research, University of Melbourne; outside member, Selection Committee for Professor of Financial Economics, University of Technology, Sydney.

**Political Science Program**

Professor F Castles, Officer-at-Large, Research Committee 19 (on Poverty, Social Welfare and Social Policy), International Sociological Association; co-organiser, meeting, Research Committee 19, International Sociological Association held at the RSSS; adviser to Federation of Ethnic Communities' Councils of Australia.

**Urban Research Program**

Dr R Blamey, adviser, ACTEW.

Dr N Brown, member, Commonwealth Advisory Committee, Australian Dictionary of Biography.

Dr D Lamberton, Adjunct Professor, Faculty of Social Sciences and Humanities, University of Technology, Sydney; member, Executive Council, International Telecommunications Society; Organising Committee and Theme Coordinator, 11th Biennial Conference of International Telecommunications Society, Seville, 1996; Program Committee, 19th Pacific Science Congress, Sydney, 1999; Research Committee, Communications Centre, Queensland University of Technology; Advisory Board, Communications Economics Research Centre, Curtin University of Technology; International Advisory Council, Toda Institute for Global Peace and Policy Research; Provisional Council, Independent Scholars Association of Australia; chair, Pacific Science Association Task Force on Regional Pacific Integration; co-organiser, STEP'96—Inter-University Collaborative PhD Program in Science, Technology and Economic Progress.

Dr S Marsden, Board member, National History Challenge for Schoolchildren, Canberra; contributor, Australian Heritage Commission National Project for Preparation of Heritage Guidelines for Community Use; adviser, History Trust of South Australia, Historian-in-Residence Project.

Professor M Neutze, member, Australian Statistics Advisory Council; chair, Board of The Australia Institute.

Professor Troy and Dr Sanders; expert witnesses on aircraft noise at Sydney airport.

**Social Science Data Archives**

Dr R G Jones, treasurer, Australian Consortium for Social and Political Research Incorporated (ACSPRI); consultant, Department of Employment Education, Training and Youth Affairs; member, Longitudinal Surveys of Australian Youth (LSAY) Steering Committee; consultant, Department of Health and Family Services; Aboriginal and Torres Strait Islander Commission; Department of Immigration and Multicultural Affairs; member, Department of Veterans' Affairs' Vietnam Veterans Study Advisory Committee.

E V Merrill, secretary, Australian Consortium for Social and Political Research Incorporated (ACSPRI); Regional Secretary, International Association for Social Science Information Service and Technology (IASSIST).

**Information Technology Services Section**

Dr T M Ciolek, training and Internet consulting services to Australian Institute of Aboriginal and Torres Strait Islander Studies.
Mount Stromlo and Siding Springs Observatories

Dr M Arnaboldi, member, Australia Telescope Time Allocation Committee; member, Sydney Association for Astrophysics, local organiser; member, Science Committee of VIRMOS (Visible-Infra-Red Multi-Object Spectrograph) for the VLT.

Dr T S Axelrod, member, AAT Time Assignment Committee; member, Scientific Organizing Committee, IAU Division VII Symposium on Very Low Mass Stars; member, ESO VLT Software Review Panel.

Dr M S Bessell, president, IAU Commission 29 on Spectroscopy; member, Working Group Spectroscopic Data Archives; member, Scientific Organising Committee, IAU Symposium 189.


Dr M Colless, member, Australian Time Assignment Committee for the Anglo-Australian Telescope; member, Scientific Organizing Committee, Workshop on ‘The Early Universe with the VLT’, European Southern Observatory, Munich; member, Scientific Organizing Committee, Conference on ‘Wide-Field Spectroscopy’, National Observatory of Athens; Australian observer, European Southern Observatory Science and Technical Committee


Professor K C Freeman, member, European Southern Observatory Visiting Committee; member, Scientific Advisory Committee, Indian Inter-University Centre for Astronomy and Astrophysics; member, Time Allocation Committee for the Australia Telescope National Facility; member, Australia Telescope Users Committee; member, Parkes Multibeam Working Group, Australia Telescope National Facility; vice-president, IAU Commission 33 (Structure and Dynamics of the Galactic System); member, Organising Committees of IAU Commissions 28 (Galaxies) and 30 (Radial Velocities); member, Scientific Organising Committees of HI Multibeam Workshop, Sydney; Second Stromlo Symposium, Canberra; IAU Symposium 186, Kyoto; receiving Editor, New Astronomy (Elsevier).

Dr C Heisler, member, Australia Telescope User’s Committee Chair, Scientific Organising Committee, The First AGN Workshop.

Dr A J Kalnajs, member, AAS-DDA Brouwer Award Selection Committee; member, Australia Telescope Time Allocation Committee; member, Local and Scientific Organising Committees, The Second Stromlo Symposium: Elliptical Galaxies.

Dr P J McGregor, member, Advisory Committee on Instrumentation for the Anglo-Australian Telescope.

Professor D Mathewson, vice-president, International Astronomical Union.

Professor J R Mould, member, Anglo-Australian Telescope Board; member, chair, Australian Academy of Science National Committee for Astronomy; member, Australian Academy of Science National Committee on Space Research; member, Australia Telescope National Facility Steering Committee; member, National Committee for Space Science.

Dr J E Norris, member, Schmidt Telescope Panel, Anglo-Australian Observatory; councillor, Astronomical Society of Australia.
Professor A W Rodgers, national delegate: International Astronomical Union Commission #46, Teaching of Astronomy; reviewer, Department of Industry, Science and Technology Grant proposals.; reviewer, Department of Education, Employment, Training and Youth Affairs (ARC) grant proposals.

Dr N Visvanathan; member, Board of Editors, Proceedings of the Eighth Physics Summer School on Cosmology, Canberra.

Dr P R Wood, chair, Australian Time Assignment Committee, Anglo-Australian Telescope; member, Australia Telescope Users Committee; member, JACARA Science Steering Committee; member, Scientific Organizing Committee for the conference 'AGB Stars', 1998 Montpellier.

Centre for Resource and Environmental Studies

Dr S G Beavis, fellow, Geological Society of London; member, Geological Society of Australia; member, Royal Society of Victoria; chair, education subcommittee (ACT Branch) Geological Society of Australia.

Dr V A Brown, expert adviser, WHO Asia Pacific Region Inter-Country Workshop on Training Approaches to Promoting Health through Environmental Management, WHO Collaborating Centre for Health Development at UNSW, World Health Organisation Manila; adviser, Waste Minimisation Strategy, Commonwealth Environmental Protection Agency; member, National Local Government Information Network Strategy Committee, Department of Regional and Housing Development; NGO Consultative Forum on International Environment Issues, Department of Foreign Affairs and Trade; NGO Forum Trade and Environment Working Group, Department of Foreign Affairs and Trade; Environmental Institute of Australia, ACT Committee; Institute of Environmental Studies, University of NSW Advisory Committee; Social Ecology Program, University of Western Sydney Review Committee; Urban Environment Reference Group, ACT State of the Environment Report; National Forum on Guidelines for Local State of the Environment Reporting; Advisory Group, Environment Heritage Charter.

Dr A W Claridge, Scientific Adviser, Department of Conservation and Natural Resources (Victoria), National Parks and Wildlife Service (NSW), State Forests of New South Wales; member, Long-footed Potoroo National Recovery Team, Long-footed Potoroo State Recovery Team, New South Wales; consultant, Environment Australia; Victorian Department of Natural Resources and Environment


S Driml, member, Great Barrier Reef Consultative Committee

Dr F Ghassemi, member, Working Group on Groundwater-Related Salinisation, International Association of Hydrogeologists; secretary, Modelling and Simulation Society of Australia; executive member, Hydrological Society, Canberra; member, International Program Committee, IASTED International Conference on Modelling, Simulation and Optimization, Gold Coast, Australia, May 1996 and Singapore, August 11-14, 1997; member, editorial board, Environmental Modelling and Software.
P M Hancock, fellow, Australasian Institute of Mining and Metallurgy; chair, Australasian Institute of Mining and Metallurgy (AusIMM) Canberra Branch; member, Committee for International Conference on Miners, Mining and Mineral Resources Policy; consultant, NSW Department of Mineral Resources; convener, Australasian Institute of Mining and Metallurgy, Canberra Seminar Series.

Dr M F Hutchinson, member Working Group, BAHC Focus 4, International Geosphere Biosphere Program; consultant, NSW Land Information Centre (LIC); Victorian Office of Geographic Data Coordination; Australian Land Information Group (AUSLIG); Australian Geological Survey Organisation; Australian Collaborative Land Evaluation Program (ACLEP); International Irrigation management Institute; Potsdam Institute for Climatic Impact Research (PIK); Climate Research Unit, University of East Anglia; Canada Forestry; Blackland Research Station, Texas A&M University; committee member, Modelling and Simulation Society of Australia Inc.; working group member, International Geosphere Biosphere program, Biospheric Aspects of the Hydrological Cycle, Focus 4, The Weather Generator.

Dr A J Jakeman, Adjunct Professor, University of Western Australia; editor-in-chief, Environmental Modelling and Software; member, Editorial Advisory Board, Encyclopaedia of Life Support Systems; associate editor, Journal of Forecasting (Wiley), member, editorial board, Hydrological Processes, Ecological Modelling; Environmetrics; Environmental Software, Systems Analysis Modelling Simulation; president, Modelling and Simulation Society of Australia Inc; director, IMACS (International Association for Mathematics and Computers in Simulation); International Environmetrics Society; member, IMACS Technical Committee on Modelling and Simulation of Environmental Systems; ACT State of the Environment Report Committee (chair, Atmosphere); International Program Committee, IEEE Conference, Beijing, 1996; Scientific Committee, IMACS Conference on Computational Intelligence for Systems Applications, Lille, France 1996; International Program Committee, International Association of Science and Technology for Development Conference, Gold Coast, 1996; International Scientific Advisory Committee, Envirosim 96, Como, Italy, 1996; Executive Committee, 7th International Conference on Quantitative Methods for the Environmental Sciences, Brazil, 1996; International Program Committee, WATERMATEX 97, Quebec City, Canada, 1997; Scientific Program Committee, 15th IMACS World Congress, Berlin, Germany, 1997; International Program Committee, IASTED Conference on Modelling, Simulation and Optimization, Singapore, 1997, Scientific Committee, Conference on Environmetrics, Innsbruck, 1997; Steering Committee, ANU Global Change Confederation; fellow, The Institute of Mathematics and its Applications (1990–).

Dr D B Lindenmayer, member, IUCN/SSC Australasian Marsupials and Monotremes Specialist Group; Greening Australia Advisory Committee; Leadbeater's Possum Recovery Team, Victorian Department of Conservation of Natural Resources; Canberra Ornithological Group; Australasian Wildlife Management Society; Ecological Society of Australia; The Australian Mammal Society; Editorial Board, Environmental Software and Modelling, consultant and expert adviser, Canadian Forest Service (Ontario); Environment Australia; NSW National Parks and Wildlife Service; Greening Australia; State Forests of NSW.

Dr M A McCarthy, consultant, Australian Nature Conservation Agency; regional councillor (ACT), Ecological Society of Australia.

Professor H A Nix, chair, Advisory Committee, Australian Network for Plant Conservation; director, Water Research Foundation of Australia Ltd; member, ANU Advisory Committee on Forestry Education; Australian UNESCO Man and the Biosphere Committee; Committee of Management, Edith and Joy London Foundation, ANU; Coordinating Committee, Global Terrestrial Observing System (GTOS); Recovery Team for Burramys parvus; Environment Committee,
Australian Academy of Science; CSIRO Sector Advisory Committee for Biodiversity; adviser, National Population Council's Inquiry into Population Issues and Australia's Future;

Dr T W Norton, adjunct professor, Department of Earth Sciences, Montana State University, USA; council member, Simulation Society of Australia, Graduate School Program in Ecology, Evolution and Systematics, ANU; scientific adviser, New South Wales National Parks and Wildlife Service (Biodiversity Conservation); Tantawangalo Catchment Protection Association; Nature and Society Forum (Biodiversity Conservation); Ontario Ministry of Natural Resources, Canada; Department of the Environment, Sport and Territories; Conservation Commission of the Northern Territory; consultant, New South Wales National Parks and Wildlife Service; Department of the Environment, Sport and Territories; Canadian Wildlife Service, Environment Canada, Ottawa; NSW National Parks and Wildlife Service Southern Region Biodiversity Program; CSIRO Division of Wildlife and Ecology, Community Solutions and ANU Project Committee on 'Socio-economic instruments for biodiversity conservation'.

Professor C Ollier, vice president, Tectonic Geomorphology Working Group, International Quaternary Association; member, Science Advisory Committee, La Trobe University, Bendigo Campus; World Heritage Expert Panel, Identification of significant themes relating to World Heritage natural or cultural values; Expert Panel for the Blue Mountains World Heritage Proposal, NSW National Parks and Wildlife Service; Applied Ecology Research Group, School of Resource, Environment and Heritage Sciences, University of Canberra; editorial board, Geomorphology.

Dr A H Ross, ACT coordinator, Australian Personal Construct Psychology Group; National Coordinator, Australian Social Impact Network; member, Awards Committee, International Association for Impact Assessment; editorial boards, *Australian Journal of Environmental Management, Impact Assessment Management Committee, National Thai Studies Centre; Reference Group, Northern Territory University, Faculty of Aboriginal and Torres Strait Islander Studies, degree in resource management; Advisory Panel, Central Land Council Land Assessment Project.

D I Smith, member, Emergency Management Australia, National Emergency Management Advisory Committee; Australian National Coordination Committee for the International Decade for Natural Disaster Reduction; Hydrological Society of Canberra; editorial board, *Applied Geography*.

Dr David I Stern, member, Organizing Committee, 4th Biennial Conference of the International Society for Ecological Economics.

Dr J A Taylor, member; Advisory Panel of the Scientific Computing Division, US National Centre for Atmospheric Research; adviser, National Science and Technology Centre, on the greenhouse effect; member, United Nations Scientific Advisory Committee for Terrestrial Ecosystem Monitoring and Assessment; United States University Corporation for Atmospheric Research, International Affiliates Program; Australian Scientific Committee for the International Geosphere-Biosphere Program; American Geophysical Union; Advisory Committee for Australia and NZ; International Global Atmospheric Chemistry Program, GEIA and GAIM Working Groups, on Global Greenhouse Gas Emissions; Intergovernmental Panel on Climate Change, Working Group I and II, review panels; Organising Committee, AGU Western Pacific Geophysics Meeting, Brisbane July 1996, Atmospheric Science Section; member, Clean Air Society of Australia and New Zealand (Canberra Branch).

A-M Wilson, lecturer, Applied Ecology Research Group, University of Canberra; member, National Corridors of Green Program (Greening Australia) Advisory Committee.
Faculty of Arts

Department of Art History

Dr P Duro, member, Editorial Advisory Board, *Australian Journal of Art*.

Dr R Franses, Executive Board Member, Art Association of Australia.

Professor M Greenhalgh, AVCC grant under the Information Service Provision (National Priority (Reserve) Fund Library Projects) to provide a Clearing House on Graphics Techniques & Software, exemplified in Australian and European Art; cooperative project with the British School at Rome to digitise the Inscriptions of Roman Tripolitania and provide the data and catalogue both over the Web and as CDROM.

Department of History

Professor A Curthoys, external examiner, History IV, History Department, University of Newcastle; member, Executive, Australian Historical Association to July 1996; Australian Historical Association Representative, National History Challenge Advisory Board; member, Advisory Board, the Biographical Dictionary of the Australian Senate; member, editorial board, *Aboriginal History*; member, editorial advisory committees, *Labour History, Australian Feminist Studies, Public History Review* and *UTS Review*; corresponding editor, *Feminist Review* (UK); reader, Cambridge University Press, *Australian Feminist Studies*, *Australian Journal of Politics and History* and *Feminist Review*; one of two judges, Ernest Scott Prize, awarded by the journal *Australian Historical Studies* every two years for the best book in Australian or New Zealand history; member, editorial board, *Australian Dictionary of Biography*.

I R Hancock, member, Advisory Board, Biographical Dictionary of the Australian Senate; historical consultant to the Australian Archives to advise media on release of the 1965 Cabinet documents.


Dr J W Knott, regularly consulted by the Bureau of Transport and Communications Economics, the Federal Office of Road Safety and ACT Government Services on history of road safety; stood down as a member, editorial board, *The Push. A Journal of Early Australian Social History*.


Emeritus Professor I McBryde, member, Technical and Scientific Advisory Committee for the Willandra Lakes World Heritage Area; member, Board of Management for Ullurru/Kata Tjuta National Park; member, AIATSIS Research Committee; member, Executive Committee of Australia ICOMOS; editor, ICOMOS Newsletter (from November 1996); member, Editorial Board, *Aboriginal History* and Editor Vol 20 (forthcoming); member, selection committee, Cambridge Commonwealth Trust PhD scholarships; member, Reference Group responsible for preparing the chapter on ‘Natural and cultural heritage’ in the *State Environment Report* (Department of the Environment); examiner, PhD Thesis, James Cook University of North Queensland; examiner, publications submitted for assessment for DLitt, University of New England, NSW.

Dr P Read, Public Officer, Link-Up (NSW) Aboriginal Corporation; made written and oral Submissions to the National Enquiry of the Human Rights and Equal Opportunity Commission into the Separation of Aboriginal Children, and prepared an options paper for Compensation and Reparation issues for ATSIC; continued to
interview younger Aborigines for the National Library's 'Seven Years On' project, and was Peer Reviewer, for its exhibition 'Captive Lives. Tambo and his Companions Captive in the World of Spectacle'; member, Advisory Boards, Public History Review and Australian Aboriginal Studies; chair, Aboriginal History; member, planning committee, for the conference 'Aboriginal Nations'; respondent to the lectures 'Stolen Children' (Australian Institute of Aboriginal and Torres Strait Islander Studies) and 'Accountability in Aboriginal and Torres Strait Islander Affairs—a Two Way Street?' (Parliament House).

Department of Political Science

S Bennett, administration of, and counting votes for, biennial elections for both Council and Research Committee of Australian Institute of Aboriginal and Torres Strait Islander Studies; workshops on Australian government for staff of ATSIC; re-admitted to AIATSIS; gave main address, 150th Anniversary Assembly, Hutchins School, Hobart.

Dr L Elliott, Visiting Professor, Norman Paterson School of International Affairs, Carleton University, Ottawa, Canada; Visiting Faculty, Environment and Development Module; Visiting Faculty, Royal Australian Navy Maritime Study Programme; treasurer, ACT Chapter, Constitutional Centenary Foundation; vice-president, ACT Council, Australian Institute of International Affairs; 'Canadian foreign policy and sustainable development', Graduate Programme, Normal Paterson School of International Affairs, Carleton University, Ottawa, Canada.

Dr J George, member, Editorial Board, Antepodium: An Antipodean Journal of World Affairs; member, Editorial Advisory Board, Millennium: Journal of International Studies, London School of Economics; reader, Book Manuscripts for Oxford University Press and Edinburgh University Press; reviewer, Journal articles for International History Review (Canada); Alternatives (Canada); Millennium (UK) and Australian Journal of Political Science.

Dr G Gray, National Convener, Australian Women’s Health Network; member, Steering Committee of study of feasibility of Peak Women’s Body for Australia; secretary, Reproductive Health Services Pty Ltd; convener, major women’s organisation; representative, Australian Women’s Health Network (AWHN) at regular Round Table Meetings with Minister Assisting Prime Minister for Status of Women; visited and presented a seminar at International Association of Health Policy, 9th Congress, Montreal on 'Influencing Mainstream Medical Care: Case of Australian Women’s Health Policy and Program'.

Dr J Hart, member, Canadian Centre for Management Development research team for Canadian Government on Civil Service Reform in OECD countries; Joint Staff College lectures; briefings for Department Administrative Services Young Political leaders program.

Dr M McKinley, referee, Journal of Conflict Studies (Canada).

Dr J Shearmur, presented lectures, Institute for Humane Studies at George Mason University and Centre for Independent Studies and ACDSS (Political Ideologies Unit); visited and presented a seminar at George Mason University on 'Street-Level Political Theory'.

Dr M Simms, participated in Legislative Recruitment project sponsored by Nerlands Research Council at University of Nijmegen, Nerlands; judged L F Crisp medal for Australasian Political Studies Association; member, selection committee for Fulbright Commission; member, Boards of Australia Institute; member, Centre for Australian Cultural Studies; briefing paper for Australian Curriculum Corporation; attended a workshop run by Public Service Commission.

Dr K Tabusa, teaching one-day course on Japanese politics in Australian Political Exchange Program; Department of Defence Briefing Program; Australian College of Defence and Strategic Studies.

Professor J Warhurst, committee member, Constitutional Centenary Foundation, ACT Chapter (Convener till April); Public Officer,
Cooperation with government and other public institutions

Dr S K Mugford, associate editor, *International Journal on Drug Policy*; consultant, Australian Army and Australian Institute of Criminology.

Dr D T Rowland, editor, *Journal of the Australian Population Association*; member, Council of the Australian Population Association; ANU representative, Behavioural Sciences Accreditation Panel, ACT Board of Senior Secondary Studies; consultant, Department of Veterans' Affairs and Australian Institute of Health and Welfare.

Dr K N S White, honorary Research Fellow, Victoria University of Wellington, New Zealand.

**Centre for Aboriginal Economic Policy Research**

During 1996 Centre Staff: continued to contribute substantially to Native Title issues; collaborated with the Australian Bureau of Statistics (ABS) in analysing labour market statistics of Indigenous Australian census from the 1994 NATSI Survey; carried out research with the Department of Education Employment Training and Youth Affairs (DEETYA) examining the participation in Working Nation initiatives and other labour market programs; involved in analysing the Community Development Employment Program (CDEP) for the Human Rights and Equal Opportunity Commission on concerns about discrimination between CDEP participants and Social Security recipients; completed three successful CAEPR seminar series attended by staff from a wide range of public sector agencies as well as ANU, ADFA and Canberra University staff and students; attracted many short-term visitors to the Centre from around Australia, Canada, and Europe to exchange information, and provided research assistance; most academic staff presented papers at national conferences, many staff, including the Director chaired sessions and/or gave keynote addresses; Centre staff were approached for interview by Australian TV, radio and print media on various topics.

Professor J C Altman, member: Scientific Program and Advisory and Evaluation Group Darwin-based CRC for sustainable development of tropical savannas; Aboriginal and Torres Strait Islander
Commission’s (ATSIC) Economic Development Advisory Committee; NARU Advisory Committee; ANU Aboriginal and Torres Strait Islander Academic Consultative Committee; ANU Steering Committee Fred Hollows Research Centre; Commission on Anthropology of Tourism, International Union of Anthropological and Ethnological Sciences; Australian New Zealand Sustainable Use Specialist Group, International Union for Conservation of Nature and Natural Resources; appointed consultant to: Northern Land Council (NLC) on review of Gagadju Association; NLC statutory body under the NT Land Rights Act; appointed independent expert consultant by Minister for Environment Senator R Hill to Kakadu Region Social Impact Study; ATSIC on mining withholding tax; ABS on employment outcomes for Indigenous Australians; DEETYA labour market programs; joint Dept of Prime Minister and Cabinet (PM&C) (Office of Indigenous Affairs) and ATSIC Review Committee on Native Title Representative Bodies; ABS 1994 NATSI Survey on determinants of better employment outcomes for Indigenous people; assisted Aboriginal Reconciliation Branch of PM&C; Australian Chamber of Commerce and Industry on private sector employment for Indigenous people; associate editor, *Journal of Tourism Studies*; editorial committee, AIATSIS Native Titles Research Unit (NTRU) Issues of Native Title papers; valuer for Taxation Incentives for the Arts Scheme of Australian Aboriginal art; provided submission to: Parliamentary Secretary on proposed amendments to the Native Title Act 1993; House of Representatives Standing Committee on Aboriginal and Torres Strait Autonomy Inquiry; collaboration with: Centre for Population and Urban Research (Monash University) to obtain data on geographic distribution of Indigenous people receiving unemployment-related benefits; The Australia Centre (University of Melbourne) on ‘Poverty: Now and Then’; reviewer, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, Australian Economic Review.

Dr J Finlayson, consultant, AIATSIS for review of Commonwealth Councils and Associations Act; adviser: various native title matters including to Cape York Land Council on Djabugay native title claim; to AIATSIS Native Titles Research Unit; convener, Australian Anthropological Society (AAS)/AIATSIS Native Title Workshop and AAS annual meeting.

Dr B Hunter, consultant: Evaluation and Monitoring Branch of DEETYA on Indigenous participation in labour market programs; jointly with: ABS and with Professor R G Gregory (Economics, RSSS) on report to OECD’s Distressed Areas Meeting, Paris; Dept of Transport and Regional Development ‘Spatial Trends in Income and Employment in Australian Cities’; discussion paper invited by Social Policy Research Centre (Uni of NSW) on changes in social structure of employment across urban Australian neighbourhoods; collaboration with: Professor R G Gregory and D Weatherburn (NSW Bureau of Crime Statistics and Research) on the complex inter-relationships between public housing, poverty and crime; The Australia Centre (University of Melbourne) on ‘Poverty: Now and Then’; presented keynote address to joint Australian Council of Social Services/National Council of Social Services in Sydney at seminar ‘What can we do about poverty?’; seminar at University of Canberra Faculty of Management ‘An exploration of the causes and consequences of increasing neighbourhood inequality in Australian cities’; assisted Professor M Pusey (University of NSW) construct sample interviews for major research into experience of local neighbourhood decline among residents of ‘Middle Australia’; referee, Australian Economic Review.

Dr D Martin, consultant: to Cape York Land and Cape York Development Councils to develop joint management proposals for Aboriginal-owned pastoral properties; on three separate Aboriginal land claims under federal, Qld and NT Acts; reviewer, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthropological report prepared for mediation in north Queensland under the Native Title Act; referee, anthro...
proposed Native Title Representative Body for the north-west Queensland region; Australian Institute of Aboriginal and Torres Strait Islander Studies to prepare a report for the Review of the Commonwealth Aboriginal Councils and Associations Act.

Dr W Sanders, consultant to: Human Rights and Equal Opportunity Commission on Community Development Employment Program participants and social security recipients; Marrickville Council, planning for Sydney Kingsford Smith Airport; provided submission to House of Representatives Standing Committee on Aboriginal and Torres Strait Autonomy Inquiry.

Dr J Schwab, member: ANU’s mediation panel; ANU’s Aboriginal and Torres Strait Islander Academic Consultative Committee; referee, journal Australian Aboriginal Studies; assessor, national Participation in Internship Programs for Aboriginal and Torres Strait Islander students; consultant, United Arab Emirates Higher Colleges of Technology advisory report; presented paper, American Educational Research Association in New York.

D Smith, member: (p/t basis) National Native Title Tribunal in mediation, arbitration with government, native title and mining parties; Board of Aboriginal History; adviser, various current policy matters on Indigenous cultural issues which influence employment/wider economic outcomes of urban Community Development Employment Programs including to ATSIC and Dept of Social Security; convener, AAS workshop at annual meeting.

Dr J Taylor, consultant to: NLC, social indicators of the Aboriginal population of Kakadu National Park; ABS 1994 NATSI Survey on determinants of employment outcomes of Indigenous people; DEETYA analysis of Indigenous participation in labour market programs; adviser Northern Territory Dept of Lands Planning and Environment on Aboriginal population mobility; ABS on projection of Indigenous populations and Census and remuneration in remote areas; Australian Chamber of Commerce and Industry on private sector employment for Indigenous people; assessor to: Bureau of Immigration Multicultural and Population Research of Australia Research; Australian Research Council.

Centre for Middle Eastern and Central Asian Studies

M Austrian participated in roundtable discussions on Turkey at the Department of Foreign Affairs and Trade.

S Barraclough presented papers to the Asian Studies Association of Australia, La Trobe University, and the Australasian Middle East Studies Association, Deakin University.

M Gray presented papers to the ‘Future of Nationalism and the State’ conference, Sydney University, and the Australian Middle East Studies Association, Deakin University.

Dr S Ismail, delivered papers to the Indian Ocean Focus Group, University of Western Australia, to the Australian Political Science Association, Perth, to the American Political Science Association, San Francisco, the conference on the “Future of Nationalism and the State, Sydney, and gave special lectures at the Australian Defence Force Academy, and the National Centre for Development Studies.

C Mason presented papers to the Asian Studies Association of Australia, La Trobe University, the Australian Middle East Studies Association, Deakin University.

M Merrick presented a paper to the Australian Middle East Studies Association, Deakin University.

K Nourzhanov presented a paper to the Australian Society for Inner Asian Studies, Macquarie University

M Reza Saidabadi presented papers to the Centre for Iranian Research and Analysis, Coventry University, the Asian Studies Association of Australia, Latrobe University, and the Australasian Middle East Studies Association, Deakin University.

Professor A Saikal, participant in Seventh Australia–Saudi Arabia Joint Ministerial Meeting,
Canberra; participant, Indian Ocean Research Network meetings, New Delhi and Tehran; c to Department of Foreign Affairs and Trade and Department of Immigration; delivered special lectures to Australian Defence Force Academy, the Royal Naval Staff College and the Australian College of Defence and Strategic Studies; presented papers to Centre for Iranian Research and Analysis, Coventry University, the conference on 'Universalizing from Particulars: Islamic Views of the Human and the UN Declaration of Human Rights in Comparative Perspective', Princeton University, conference on 'Afghanistan and Regional Security' Institute of Political and International Studies, Tehran.

J Sanders presented a paper to the Australasian Middle East Studies Association, Deakin University.

The Centre hosted the visit to Canberra by H E Mr Thomas R Pickering, US Ambassador to Russia; co-hosted a function for H E Mr Nursultan Nazarbaev, President of Kazakhstan, and several Ministers, as part of their official visit to Australia.

Centre for Women's Studies

E Cohen attended Mass Historia conference, Melbourne University; gave conference paper: 'From Solitary Vice to Split Mind: Psychiatric discourses, male sexuality, and 'coming of age' between the wars'.

C Elder, member, organising committee, Feminism In Transit 3 Conference; FiT3 is the third of a series of highly successful postgraduate conferences, which aim to promote academic discussion and extended networks of knowledge and support; this is the first time the conference has been held out of Melbourne.

H Keane, delivered paper 'Smoking, Addiction and the Making of Time', at Addiction and Culture Conference, Claremont College, California.

Dr J Matthews, member, editorial advisory board, Australian Feminist Studies; foreign editorial adviser, Journal of Women's History (USA), Women's History Review (UK), Gender and History (UK), and Signs: Journal of Women in Culture and Society (USA); attended Society for Cinema Studies' Annual Conference in Dallas, Texas, where she was a discussant on the panel, 'The Historical Study of 1930s Film/Cinema and Cinema Culture: Research Design, Strategy and Methodology'; presented a paper 'Confessions of Modern Girls: True Story Magazine and the Modernization of Western Femininity', to Berkshire Conference, University of North Carolina, Chapel Hill; presented same paper, to Australian Historical Association Conference, Melbourne University; keynote speaker, National History Postgraduates' Conference, 'Mass Historia', at Melbourne University; panel member to discuss 'Women and Sexuality in Film' for the National Film and Sound Archive's First Lesbian Film Festival; intervieded by ABC Radio program Late Night Live in its discussion on the Wood Royal Commission; Honorary Secretary, Beryl Henderson Foundation, which awards an annual Women's Studies Essay Prize.

L Tatman, facilitated two workshops on feminist theology at the first European Women's Synod, Gmunden, Austria.

Dr E Wilson, attended conference, Modern Language Association, 1996 convention, Washington DC, and gave a paper titled 'Neuro-erotics'; co-convenor with Dr P Deutscher, Philosophy, The Faculties of a national feminist conference, HRC.

J 'Tikka' Wilson, collaborated with Link-Up (NSW) Aboriginal Corporation on the preparation of their submission to the Human Rights and Equal Opportunity Commission, National Inquiry into the Separation of Aboriginal and Torres Strait Islander Children from their Families.

Australian Studies Program

S Lambevski, involved in an ongoing long-term project on the problems of ethnicity, sexuality and democracy carried out by the Political Science Department at the Law Faculty, Sts Cyril and Methodius University, Skopje, Macedonia.

Dr J Rutherford, consultant, Department of Industrial Relations for 'Analysis of AWIRS (Australian Workplace Industrial Relations
Cooperation with government and other public institutions

Survey) '95—Employee Survey Response Question 48'.

Faculty of Asian Studies

Southeast Asia Centre


Faculty of Economics and Commerce

Department of Commerce

Department of Commerce, member, Australian Capital Markets Foundation; member, Asia Pacific Centre for Environmental Accountability; member, Asian Network of Accounting; host and organiser, Environmental Accountability Symposium.

Dr Baker presented a conference paper to the 25th Annual Conference of Economists; seminars to Massey University; Monash University; University of Western Sydney.

Professor Barton, chair, ASCPA Annual Research Lecture Committee; director, UniSuper; member, ACT Divisional Council ASCPA; awarded Certificate for Meritorious Service ASCPA.

Professor Brailsford presented three conference papers to the Accounting Association of Australia and New Zealand; seminar to RMIT; member, Editorial Board Accounting Research Journal; winner, Accounting Research Journal Manuscript Award; runner-up, Australian Journal of Management E. Yetton Award.

N Buckmaster presented conference papers to ANZTSR; Association for Research on Non-Profit Organisations and Voluntary Action.

R Burrit presented conference papers to Advances in Environmental Auditing and Australian Academy of Science Fenner Conference on the Environment.

Professor Craig presented a conference paper to Joint IAS/IAG International Accounting; member, ASCPA Annual Research Lecture Committee; associate editor, Asian Review of Accounting; member, Editorial Board Accounting Commerce and Finance Islamic Perspective Journal.

Mr Diga presented conference papers to Joint IAS/IAG International Accounting; Accounting Association of Australia and New Zealand.

Dr Hooper presented a conference paper to Academy of International Business; seminars to Edith Cowan University; University of Western Australia; University of Wollongong.

P Jubb presented a conference paper to World Congress of Business Economics and Ethics.

Dr Shailer presented seminar to University of Otago.

M Tahir presented seminars to Griffith University; University of Tasmania.

Department of Economics

Dr R Albon, member, Judging Panel, Australian Institute of Public Administration Prize for Commonwealth Statutory Authority Annual Reports; Visiting Research Fellow, Bureau of Transport and Communications; Visiting Researcher, Industry Commission, prepared Commissioned Study for the Industry Commission's Stocktake on Microeconomic Reform, 'An Overview of Australia's Taxation Structure'.


Professor S Dowrick, invited paper at Commonwealth Roundtable on Global Competitiveness, convened by Commonwealth Secretariat, London; invited by Royal Swedish Academy of Sciences to nominate candidates for 1997 Nobel Prize in Economics; discussant, AUSAID Fourth Workshop on the Vietnamese Economy; presented a paper 'Measures of National Progress and Quality of life' CSIRO Forum; elected Fellow of the Academy of Social Sciences in Australia (FASSA).
Dr F Menezes, visiting researcher, IMPA (Institute for Pure and Applied Mathematics) Rio de Janeiro, Brazil.

Dr R Tyers, member, National Council of the Australian Agricultural and Resource Economics Society; honorary research fellowship, Global Trade Analysis Project (GTAP), Purdue University, Indiana.

Dr G Wells, member, expert panel supervising econometric model-building project; Reserve Bank of New Zealand, visiting Research Fellow, New Zealand Treasury.

Department of Statistics and Econometrics

Professor Nicholls, expert witness in a case in The Administrative Appeals Tribunal, adviser to the Australian International Education Foundation and participated in an 'Evaluation Study of the Long Term Benefits From Enterprise Improvement Progress for Australian Industry', within the Federal Department of Industry Science and Tourism.


Faculty of Law

P H Bailey, consultant, ACT Department of Community Services and Health, on human rights aspects of questionnaire relating to mental health services; member, consultation on role of NGOs in human rights matters, Department of Foreign Affairs and Trade, representing Australian section of International Commission of Jurists; chair, Misconduct Investigation Committee, University of Canberra.

P Bayne, part-time senior member, Administrative Appeals Tribunal; chair, Australian-American Educations Foundation; consultant, Australian Law Reform Commission; consultant, Western Australian Commission on Government, on reform of tribunals in Western Australia.

Dr J M Behrens, seconded member, Violence and Family Law Sub-Committee, Family Law Council of Australia; member, editorial board, Australian Journal of Family Law; member, National Advisory Board, Women Against Violence. An Australian Feminist Journal; member, Doris Women’s Refuge; founder and organiser, (with Professor S Parker, Griffith University), Family Law Interest Group.

S C Bottomley, tutor and member, National Education Committee, Australian Institute of Company Directors; director and board chair, Welfare Rights and Legal Centre, ACT; member, editorial advisory committee, Australian Journal of Corporate Law; participated in exchange program, Chuo University, Tokyo, March–April; adviser and guest lecturer, Griffith University.

S Bronitt, associate, Australian Institute of Criminology, Canberra; board member, Australian Institute of Health, Law and Ethics; editorial board, Criminal Law Review, editorial board, Health Care Analysis; consultant, Creedons Lawyers, Censorship in New South Wales; prepared submission, NSW Attorney-General’s Department, Protecting Confidential Communications from Disclosure in Court Proceedings.

L E Campbell, member, Civil Litigation and Continuing Legal Education Committee, Law Society of the ACT; voluntary mediator, Canberra Mediation Service.

Professor T D Campbell, chair, Australian Institute of Health, Law and Ethics.

D Z Cass, nominee to research project, Department of Foreign Affairs and Trade, run by Centre for International Studies, University of Toronto, on China’s accession to the World Trade Organisation; editorial committee, Federal Law Review; advisory board, Australian Feminist Law Journal; advice to, Communications Law Centre Melbourne, Levy v Victoria.
Professor M D Coper, chair, Tasmanian Freight Equalisation Scheme Review Authority; chair, Interim Road Transport Industry Accreditation Council; chair, Constitutional Centenary Foundation ACT Chapter; council member, Constitutional Centenary Foundation; council member, Institute of Public Administration Australia; member, editorial board, *Public Law Review*; consultant, Deacons Graham & James, on constitutional law.

R M Creyke, part-time member, Social Security Appeals Tribunal; part-time member, Nursing Homes Standards Review Panel; member of National Executive, Australian Institute of Administrative Law; consultant, Administrative Review Council, on contracting out of government services; voluntary training for community group, Family Based Respite Care Inc (FABRIC).

Professor J L R Davis, legal adviser, Senate Standing Committee for the Scrutiny of Bills; witness/contributor to deliberations (with Ian Govey, Australian Treasury), Standing Senate Committee on Banking, Trade and Commerce (Canada); member, editorial board, *Torts Law Journal*.

S D Dayal, technical director, Australian Law Reform Commission; analyst, Softlaw Corporation.

Professor J P Disney, chair, National Advisory Committee for Habitat II; chair, Ministerial Task Force on Housing; member, ACT Government, Canberra 2000 Advisory Committee; president, International Council on Social Welfare; tax policy adviser, Australian Council of Social Service; member Executive Committee, Tax Reform Forum; member, Future of Work Commission; council member, Constitutional Centenary Foundation.

P F Drahos, speaker, roundtable on Simpson Report, Department of Communications; adviser, Indian Forum of Parliamentarians on Intellectual Property; consultant, book printing, Industry Commission; adviser, Commonwealth Attorney-General’s Department on Copyright and the Transmission Right; prepared paper on telecommunications, Australian Senate Environment, Recreation, Communications and the Arts Committee.

Dr P L Easteal, member reference group, Australian Bureau of Statistics, advised on survey about violence against women; invited participant, Minister Advising the Prime Minister on the Status of Women, National Forum on Violence; made submission, New South Wales Law Reform Commission, discussion paper on sentencing; invited speaker, University of Canberra Women and Politics; member, Canberra Rape Crisis; member, Doris Women’s Refuge; consultant, Discrimination in the Workplace, University of New England.

J-P L Fonteyne, Australian representative, ILA Committee on Refugee Procedures.

S B D Fridman, presentation and development of training courses (with N C Seddon, ANU Law School), Department of Defence; member, corporations law committee, Australian Institute of Company Directors.


Professor N A Gunningham, consultant and report writer, Department Environment, Sport and Territory, WorkCover Authority NSW and Treasury Board of Canada; collaboration with Australian Centre for Environmental Law nationally; consultant (with R Johnstone and P Rozen, WorkCover Authority NSW), Enforcement Measures for Occupational Health and Safety in New South Wales: Issues and options; consultant, Office of Consumer Affairs, Industry Canada, Regulatory Affairs and Treasury Board, Canada, on Voluntary Codes project.
Professor A D Hambly, chair, Parole Board of the ACT; member, ACT Criminal Law Consultative Committee; member editorial board, Torts Law Journal; director, London Goodenough Association of Australia.


C Mantziaris, volunteer legal officer, Legal Aid Office ACT; consultant, Blake Dawson Waldron solicitors, Directors Duties under the Commonwealth Authorities and Corporations Bill.

R McCorquodale, panelist on human rights and Australia's international policy; Department Foreign Affairs and Trade, AUSAID; organiser, seminars on current issues in international human rights law, Department Foreign Affairs and Trade; written submission on Hong Kong, Human Rights Sub-Committee of the Joint Standing Committee on Foreign Affairs, Defence and Trade; editorial board, Federal Law Review; chair, Australia and New Zealand Society of International Law; keynote speaker, 'Problems in Enforcing International Human Rights Law', Amnesty International; editorial board, Australian Journal of Human Rights; board member, NSW Board of Social Responsibility, Uniting Church in Australia.

Dr R I McEwin, member, advisory group on Adversarial Reference, Australian Law Reform Commission; member, corporate governance and corporate law committees, Australian Institute of Company Directors; chair, Canberra Regional Committee of Business Law, Law Council of Australia; consultant, Gilbert & Tobin, Middletons Moore & Bevin, Deacons Graham & James, Clayton Utz, competition law litigation.


Professor D C Pearce, chair, Attorney-General's Copyright Law Review Committee; executive member, Australian Institute of Administrative Law; director, Centre for Copyright Studies Limited; chair, ACT Cricket Association Appeals Tribunal; consultant, National Farmers Federation, Industrial Relations Bill; organiser and chair of judging panel, G C O'Donnell Copyright Essay Prize; organiser and chair of judging panel, AIAL Administrative Law Essay Prize.

M Phillipson, delivered a course, Environmental Law and Policy, Northern Territory Government; vice-chair, Environmental Defender's Office ACT.

N C Seddon, chair, Board of CARE Credit and Debt Counselling; participant, seminar for visiting Vietnamese delegation, ANU; consultant, Blake, Dawson Waldron, solicitors.

Dr J A Seymour, member of committee, Criminal Law Consultative Committee of the ACT; consultant, Inquiry into Children and the Legal Process, Human Rights and Equal Opportunity Commission and Australian Law Reform Commission; adviser, Medico-Legal Committee, Royal Australian College of Obstetricians and Gynaecologists, Brisbane, April; participant and adviser on medico-legal issues, Royal Australian College of Obstetricians and Gynaecologists, Fiji, July; member, Australian and New Zealand Society of Criminology, Australasian Association of Law Teachers, ACT Chapter of the Australian Academy of Forensic Science; Health Promotion Committee of the Royal Australian College of Obstetricians and Gynaecologists; board member, Australian Institute of Health, Law and Ethics.

P Spender, submission on reinstatement of the Austlii Family Law database, to the Attorney-General, Daryl Williams, June; further submission to proposed amendments to Corporations Law, Corporations Law Simplification Task Force, Office of Parliamentary Council, May; executive member, Corporate Law Teachers Association; member, Australian Shareholders Association; assistant co-editor, Women's Legal Centre, Canberra; member and joint legal adviser, Parents on Campus Child Care Centre (ANU).

G Simpson, advice to delegations in New York and Canberra, Department of Foreign Affairs and Trade; editor, Nationalism Studies, Berg Press; National and ACT Committee Member, Australian Red Cross, IHL Committee; Australian
National Administrator, Jessup Moot; General Executive member, International Committee of Jurists for East Timor.


P C Weeks, legal member, Social Security Appeals Tribunal; chair, Sex Industry Consultative Group; advice to, Small Business Deregulation Task Force; member editorial board, *Australian Journal of Labour Law*; development of policy and reviewing research proposals, ethics committee, Family Planning Australia.

F D Wheeler, presented briefing, Vincent Fairfax Ethics in Leadership Awards, St James Ethics Centre on the High Court and Constitution, January; speaker and tutor on the Constitution, National Capital Seminar, The Queen's Trust, October.

G J Williams, committee member, ACT Chapter of the Constitutional Centenary Foundation.

**Faculty of Science**

**Department of Chemistry**

Dr M G Humphrey, member, National Advisory Committee, XVIIth International Conference on Organometallic Chemistry; ACT representative, Inorganic Division Council, Royal Australian Chemical Institute; Treasurer, Inorganic Division, Royal Australian Chemical Institute; assessed grant applications to the ARC.

Dr G Salem, ANU representative, ACT Schools Accreditation Panel for General Science; assessed grant applications to the ARC and DIST.

Professor B Selinger, chair, Board of Directors, National Registration Authority for Agricultural Chemicals; relaunched 'Dial-a-Scientist' program on ABC radio 2CN; helped plan and launch exhibit called 'Chemical Attractions' at the Powerhouse Museum, Sydney.


**Department of Mathematics**

**Astrophysical Theory Centre**

Members of the ANUATC are heavily involved in collaborations with astronomers from many institutions, including University College, London; Anglo Australian Observatory, Sydney; JILA, University of Colorado; South African Astronomical Observatory; IAS Trieste, Italy; University of Chicago; High Altitude Observatory, Boulder, Colorado; Steward Observatory, University of Arizona; University of Western Sydney; University of Western Sydney; NCSA, University of Illinois; University of Cambridge; University of Arizona; University of Texas; Baltimore; University of Berkely; University of Maryland; Brandeis University; University of Capetown; University of Heidelberg; Research Centre for Theoretical Astrophysics, Sydney.

**School of Life Sciences**

**Division of Biochemistry and Molecular Biology**

Dr C A Behm, Archivist, Australian Society for Parasitology.

Dr F L Bygrave, member, Committee of the (UNESCO) International Cell Research Organisation Panel on Structure, Function and Regulation; assisted New Zealand Health Research Council in the assessment of grant applications made by medical scientists in that country; represented the University at the CEQ (Course Experience Questionnaire) symposium held at Griffith University to discuss 'Best Practice in University Teaching'.

Dr L Dalgarno, retained by intellectual property attorneys Banki Palombi Haddock and Fiora as expert witness in the case, Murex Diagnostics
Australia versus Chiron Corporation in the Federal Court of Australia.

Professor D A Day, Advisory Panel Member, Australian Research Council; spent six weeks at the University of Nice, France undertaking research into the transport and storage of iron in soybean nodules, in collaboration with Dr A Puppo and colleagues; participated in ARC institutional visits to James Cook University, and University of Canberra.

Dr A J Howells, Visiting Research Fellow, CSIRO Division of Entomology.

Dr P A Janssens, Deputy Director and Education Program Leader, CRC for Biological Control of Vertebrate Pest Populations; Board Member, Educational Program in Reproductive Biology, Monash University.

Dr G D Smith, member, selection committee for the R G Menzies Scholarship to Harvard University; and member, BIOLAC committee of the library.

Dr B H van Leeuwen, member, National Health Sciences Centre Research Committee; member, Medical Sciences Board of Studies; member, Medical Sciences Honours Scholarship Committee.

Dr N K Verma, member, Medical Sciences Honours Scholarships Committee; member, ACT branch committee, Australian Society for Microbiology; National Convener, Australian Society for Microbiology Special Interest Group on 'Molecular Microbiology'; organiser, 'Young Speaker's Night' sponsored by the Australian Society for Microbiology.

Dr R C Weir, member, Vertebrate Biocontrol CRC Honours Scholarships Committee.

Division of Psychology

Dr P J Oakes with ABC Radio National, 'Open Mind' broadcast interview as part of the Health Report.

B Heubeck with University of Canberra Disability Program; Joint Disability Committee; Canberra Hospital and ACT Mental Health Services; Clinical Placement Program.

Dr R Wilkinson with ACT Department of Health: Mental Health Branch, Canberra Hospital: Department of Psychology, Marymead Child and Family Centre, ACT Alcohol and Drug Service and NSW Department of Community Services: Southern Tablelands Mental Health Services; Clinical Placement Coordinator for the Master of Clinical Psychology Program.

Professor D G Byrne, chair, ACT Psychologists Registration Board (appointed by the Chief Minister); member, Mental Health Tribunal of the ACT

School of Resource Management and Environmental Science

Department of Forestry

Dr J C G Banks, member, expert team for Upper Murrumbidgee River Catchment Management to prepare report on status of river above Burrinjuck Dam.

Dr C L Brack, presented lectures and training workshops in methods of teaching and learning forest mensuration, University of Melbourne, (Creswick campus) to assist them in developing and using modern teaching techniques; assisted and advised on forestry teaching, research and management organisations in Papua New Guinea and held discussions with officers from Department of Forestry and Agriculture (University of Technology, main campus at Lae), Bulolo Forestry School campus, Timber Industry Training Center (TTTC) and the Forest Research Institute (FRI); presenter and resource person for Second International Short Course on Sustainable Tropical Forest Management and Training Course on Forest Research Strategy Formulation, Planning and Management, Institute of Distance Education and Learning, UPM Malaysia.

Dr L T Carron, Honorary Consultant to the NSW Forest Service on eco-history projects of NSW forests while Visiting Fellow with the Department.

Dr P D Evans lectured on properties of wood to students, Centre for Cultural and Heritage Studies at University of Canberra.

Dr A Gibson consulted in Queensland on field trials for ACIAR PN9126 ‘Improvement in tree establishment for tropical dryland conditions in East Africa’; team leader for review of ACIAR PN9310 ‘Physiology and genetic improvement of Acacia auriculiformis’.

Professor P J Kanowski conducted a short course in forest policy with Oxford Forestry Institute, the International Institute for Environment and Development, and SGS Forestry; conducted a short course in forest conservation genetics with CSIRO Divisions of Forestry and Forest Products and Plant Industry, Centre for International Forestry Research, and Oxford Forestry Institute; Associate Editor, New Forests; member, Queensland Timber Board Biodiversity Panel.

Drs S Mahendrarajah and D M Etherington with J Roberts, Physics and Technology Energy Research Team, University of South Pacific on the evaluation of energy potential of coconut oil for South Pacific; with S Ulitu, Director of Agriculture (Extension), Fiji; E Makubuna, Fiji Coconut Marketing Board; T Kate, Head, Taveuni Coconut Centre; B McDiarmid, Greenpeace Pacific; D Goodville, Canada Fund; on the technology transfer of DME technology for coconut oil extraction at village level in Fiji; with D Sahae, Chief Technical Adviser, UNIDO/ ILO, Suva and S Ulitu, Director of Agriculture, Fiji in regional training course at project sites in Fiji on DME Technology for 29 participants from Fiji, Marshall Islands, Kiribati, Vanuatu, Solomon Islands, Tuvalu, Tonga, Niue and Western Samoa.

Dr M U Slee, chair (to February), Research Working Group No.1 (Forest Genetics), Standing Committee on Forestry, Ministerial Council for Forestry, Fisheries and Aquaculture; member, Schools Accreditation Panel 'Agriculture'.

Dr M T Tanton with State Forests NSW in work on environmental impact statements, Regional Forest Assessment and Comprehensive Regional Assessment process.

Dr C R Tidemann, member, Working Group on mobile rainforest fauna, Parks and Wildlife Commission of the Northern Territory; member, Calicivirus Consultative Committee for ACT Parks and Wildlife Service; chair; Advisory Committee, Australian Bird and Bat Banding Schemes; member, Chiroptera Specialist Group, World Conservation Union; member, Sustainable Use of Wildlife Specialist Group, World Conservation Union; adviser, Northern Land Council and Lyssavirus Expert Group of the Consultative Committee on Exotic Diseases.

Dr B J Turner, chair, Spatial Information/Forest Planners Working Group of Australian Forestry Council; conducted a review of Native Forestry Sawlog Allocation Methodologies with Queensland DPI Forestry; with Dr Brack investigated ‘Sustainable Yield Methodology’, with Forestry Tasmania; with Dr Brack conducted an ‘Appraisal of Tasmania’s Wood Yields from Native Forests and Plantations’ for the Commonwealth DPIE BRS; with Dr James conducted a consultancy on ‘Determining Wood Flows for the National Plantation Inventory’ for the Commonwealth DPIE BRS.

**Department of Geography**

D Dumaresq with colleagues in CSIRO Division of Plant Industry and NSW Agriculture in a tender to manage a sustainable grazing systems research project for the meat Research Corporation.

Dr B Lees, member, The GMS (Japanese Geostationary Meteorological Satellite) Pathfinder Science Working Group; member, Advisory Board, Key Centre for Geochemical Evolution and Metallogeny of Continents (GEMOC); member, Advisory Group, (US) National Science Foundation—National Centre for Geographic Information and Analysis Initiative 15, 'GIS for US Global Change Research.' (NCGIA I-15)

Dr B Lees, guest lecturer, National Institute of Environmental Studies, Japan, and The Centre de Recherche en Geomatique, Universite Laval, Quebec, Canada; presented a workshop at the Third International Conference on GIS and Environmental Modelling, Santa Fe, and
presented a paper; Asia-Pacific editor, *International Journal of Geographic Information Sciences*; member, editorial boards, *GEOINFORMATICA* and *Transactions in GIS*.

Dr B Mackey with Thai Office of Highland development; various advice to Federal environment portfolio regarding world heritage evaluation and biodiversity assessment.

Professor R J Wasson with CSIRO in a major project ‘Impacts of Land Use and Climate Change on Water Quality in the Herbert River catchment, N.Qld’; is establishing an international project under the auspices of the IGBP: ‘Fluvial System, Responses to Land Use and Climate Change’, the Herbert River will be a case study site for this project; received an ARC small grant to document the early response of rivers in South West Western Australia to land clearing.

**Department of Geology**

Professor R J Arculus, cooperative research with the Solomon Islands Geological Survey; collaborative research with the Australian Geological Survey Organisation; member, Geological Society of Australian Congress Scientific Committee.

Dr P L Blevin, member, Committee (IAVCE) Commission on granites.

Professor K S W Campbell, chair, Schools Geology Project; DITAC Australia/Russia Scientific Exchange Committee.

Professor B W Chappell with Lachlan Mapping Project, AGSO, Granites Geochemistry Project, Geological Survey of Queensland.


Dr R A Eggleton, Council member, AIPEA; program leader, CRCLEME with UC, AGSO, CSIRO.

Dr D J Ellis, Organising Committee, 13th Australian Geological Society Convention; Cooperative research with AGSO and ANSTO.

Dr T J Munson, collaborative research with the Department of Earth Sciences, University of Queensland and Department of Earth Sciences, Macquarie University; committee member, Geological Society of Australia (Commonwealth Territories Division).

Dr B N Opdyke, corresponding member, Scientific Committee on Oceanic Research (SCOR) Working Group 104: Coral Reef Responses To Global Change; The Role Of Adaptation, Hon Promotions Officer, Geological Society of Australia; resource member, South-east Asian LOICZ (Land-Ocean interactions in the Coastal Zone) group (funded by the Dutch); collaboration in Australia with AIMS and CSIRO with project TROPICS off the coast of PNG.

Dr M J Rickard, Organising Committee, 13th Australian Geological Society Convention.

Professor W D L Ride, Commissioner, International Commission on Zoological Nomenclature; chair, Editorial Committee, 4th Edn International Code of Zoological Nomenclature; member, Joint Academies Committee on Museums; representative, Australian Academy of Technological Sciences and Engineering and chair, CRA National Science Summer School Council; member, International Advisory Board, *Zoosystematica Rossica*.

Dr D Tilley, Councillor, Executive Division, Geological Society of Australia.

**Centre for the Public Awareness of Science**

Professor Bryant, member, Questacon—National Science and Technology Centre’s quinquennial review committee which reported in 1996 (NSTC’s most significant contribution is its involvement with the ANU Graduate Program in Scientific Communication; and The Shell Questacon Science Circus’ collaboration with the
ANU is unique and is serving Australia uniquely well; Questacon—The National Science and Technology Centre is an important partner in CPAS; member, Review Committee, Walter and Eliza Hall Institute, Melbourne.

S Stocklmayer, C Bryant, & M Keen, Integrating communication strategies into scientific research: Issues and concerns. A full day national workshop for agricultural scientists, the first of a planned series of workshops, on a cost recovery basis, on aspects of scientific communication in areas of perceived need, run jointly with NCDS, for the Bureau of Resource Studies Vertebrate Pest Management Program, at their request.

Institute of the Arts

Canberra School of Art

Canberra School of Art (CSA) in association with Australian Council University Art and Design Schools held a conference on Intercultural Education and the Visual Arts May 3–4 1996. Senior staff members from art and design schools all over Australia attended the Intercultural Education and the Visual Arts forum. The conference addressed issues that relate to cultural diversity in the visual arts in relation to teaching and learning, theory and practice in tertiary education.

CSA was the winner of Royal Australian Institute of Architects (ACT Chapter) Presidents Award for services to public art.

The CSA Sculpture Workshop played a key role in the presentation and organisation of the Canberra National Sculpture Forum planned for 1998 and provided major contributions of work to Canberra’s annual Floriade.

Australian Council University Art and Design Schools annual conference: Framing New Perspectives, was held in association with CSA.

The conference focussed on multimedia, international speakers, cultural, design and research perspectives.

CSA Staff and students continued to have a high profile in 1996 collecting major visual arts awards and scholarships including VACB grants, DEET, Asialink, Department of Foreign Affairs & Trade, ARC, ACT Cultural Council, the 1996 CAPO Fellowship and 1996 ACT Creative Arts Visual Fellowship.

Canberra School of Music

Canberra School of Music (CSM) staff and students continue to contribute to the musical life of the community through the Canberra Symphony Orchestra, the Canberra Youth Orchestra, the Choral Society, the Llewellyn Choir and the Canberra Children’s Choir. Ensembles and orchestras performed in many regional towns. These performances present the public face of the University, assisting in the recruitment process.

CSM staff and students frequently give performances at various Embassy and government functions. The Neilsen Quintet, a student wind quintet, had the honour of playing for the US President Bill Clinton at Parliament House in November.

D Harvey, consultant and Musical Director, Canberra Festival; consultant, National Eisteddfod Society

The Australian Centre for the Arts and Technology

The Australian Centre for the Arts and Technology (ACAT) hosted a seminar on technology in and for the arts as part of the Cultural Discussion Series for the ACT Trades and Labour council.

D Worrall, Head of ACAT Multimedia representative, Music Council of Australia.

NHMRC Social Psychiatry Research Unit

Dr M J Bird, member, Committee of Dementia Network, Canberra; member of Australian Psychological Society Special Interest Group on Ageing.

Dr H Christensen, member, Scientific and Research Sub-Committee, Alzheimer's Association; member, Ethics Committee, Australian
Institute of Health and Welfare; member, Mental Health Research Advisory Group for ACT; member, Advisory Group, Division of Scientific Affairs, Australian Psychological Society; representative of the Australian Psychological Society on the implementation of the Australian Research Council Discipline Research Strategy Psychological Science in Australia.

Professor A S Henderson, chair, Technical Advisory Committee, National Survey of Mental Health and Well-being (Department of Health & Family Services); member, Survey Management Group, National Survey of Mental Health and Well-being (Department of Health & Family Services); member, Section of Epidemiology and Community Psychiatry, World Psychiatric Association; member, Committee of the Australasian Society for Psychiatric Research; collaboration with Mental Health Division, World Health Organization, Geneva; consultant to the World Health Organization, Eastern Mediterranean Office, on the epidemiology of mental disorders in Cyprus; board member, International Psychogeriatric Association; member, Committee of International Consultants, Epidemiologia e Psichiatria Sociale (Rome); member, editorial board, *Journal of Methods in Psychiatric Research*; member, editorial board, *Dementia* (Basel); member, editorial board, *European Archives of Psychiatry and Clinical Neuroscience*; member, International editorial board, *New Trends in Experimental and Clinical Psychiatry*; editor for Australasia and the Far East, *Social Psychiatry and Psychiatric Epidemiology* (Heidelberg); member, board of assessors, *Australian and New Zealand Journal of Psychiatry*; member, editorial review panel, *Australian Journal on Ageing*.

Dr A F Jorm, member, NHMRC Assignees Panel in Psychiatry and Psychology; member, Ethics Committee (Commonwealth Department of Health and Family Services); member, Committee of the Australasian Society for Psychiatric Research; member, Scientific and Research Sub-Committee, Alzheimer’s Association; member, NHMRC Regional Grants Interviewing Committee, Perth; member, Analysis Subcommittee, National Survey of Mental Health and Well-Being (Commonwealth Department of Health and Family Services); member, Public Health Working Party on Dementia in Victoria (Victorian Department of Human Services); member, Consumer Outcome Project Advisory Group (Commonwealth Department of Health and Family Services).

Dr B Rodgers, member, Committee of the Australasian Human Development Association; member, Public Health Assessing Committee (Mental Health), Health Research Council of New Zealand.
Degrees and Diplomas Conferred

Associate Diploma in Policy Studies
Romuald Seweryn Zenon Baczynski
Carol Ann Bowman
Catherine Hurst
Roslyn Patricia Jackson

Bachelor of Arts
Alexander Paul Agafonoff
Julia Rose Agostino
Guy Maurice Allen
Helen Anderson
Bridget Helene Andersons
Keith William Baker
James Davis Barker
Barbra Catherine Barnett
Samuel Richard Bartlett
Karen Leila Baumgart
Danielle Joanne Beatty
Timothy Hamish Beatty
Kylie Maree Beer
Leanne Frances Belcher
Oliver Colin Blain
Renata Anne Blanch
Melanie Claire Bluett
Phyllis Hazel Bolding
Catherine June Bourke
Fiona Jane Bowen
Alecia Clare Bower
Jane Maree Bower
Kathy Bradley
Carolyn Elizabeth Brody
James Harold Bryson
Angela Halina Buckingham
Margaret Anne Callaghan
Michael Robert Camage
Catherine Mary Capelin
Marguerite Mary Carrington
Edward Alexander Chalmers
Antony Weng Kwong Chen
Mimy Chen
Suzanne Louise Ciesniewski
Nicola Claire Clark
Lara Doreen Clench
Emily Julia Coles
Katherine Louise Collins
Adam Bradshaw Connolly
Katrina Rea Cook
Tamsin Katrina Cook
Helen Elizabeth Corcoran
Suellen Corrigan
Andrew James Cram
Prudence Margaret Croll
Patrick Michael Henry Cronin
Mary Jane Crook
Elisa Anne Crossing
Rowan Edward Crossley
Catherine Margaret Cullen
Maureen Joan Cummuskey
Erica Louise Cunneen
Samantha Leigh Cursley
Alicia Susana Curtis
Fiona Marion David
Marianne David
Josefina David-Dale
Jocelyn Ivy Davies
Allan Warren Davis
Amanda Jane Day
Sandra Lee De Plater
Kristen Jane Deards
Benjamin Ross Divall
Gwenneth Isobel Dods
James Edward Dolton
Sarah Elizabeth Dorrough
Gillian Burnadette Drew
Catherine Elizabeth Duke
Reginald Cedric Michel Dury
Harold Raoul Eeman
Anthony Bede Egan
Christopher Langdon Emery
Margot Elizabeth Faraci
Joanne Rose Fernandes
Anita Fisher
Heidi Maree Fisher
Sonya Nagere Floyer
Dianne Kay Ford
William Nagere Freebairn
Christopher Philip Gard
Karin Gawlik
Shivaun Eriu Gleeson
Degrees and Diplomas Conferred

Louise Jane O'Hara
Elizabeth Emma O'Leary
Francis Brendan O'Sullivan
Natalie Eve Oliver
Natalie Anne Orszaczky
Matthew Richard Page
Rowena Paget
Caroline Mary Painter
Rebecca Jean Parkinson
Kim Sue Parrott
Jill Paterson
Athena Alexandra Pawlowski
Stephanie RobynPEATLING
Marinko Petkovic
Robert Francis Pini
Emily Elizabeth Grosvenor Pocock
Matthew Wilson Pond
Benjamin Robert Porteous
Warwick Byron Potter
Barbara Louise Priest
Ann Rosalind Procter
Nicola Janet Anne Purser
Trudy Carol Ellen Quinlivan
Aaron Wayne Ralph
Dayle Howard Redden
Jayne Maree Richardson
Matthew Joseph Riches
Benjamin Neil Roberts
Emma Jane Robertson
Rosemary Marcella Roche
Lillian Nothas Rodrigues
Michael Rogers
Ian William Ross
Stanley Anthony James Rothnie
Antonija Rover
Kathryn Victoria Rumble
Amanda Sharee Russell
Carol Dawn Ryan
Catherine Margaret Ryan
Lucie-Kate Ryan
Michelle Kim Ryan
Ballanda Evelyn Stephanie Sack
Emma Louise Sagers
Thomas Sansom
Anne Elizabeth Sayers
Natasha Anne Schmidt
Craig Andrew Senger
Megan Brooke Senior
Katherine Amelia Shacklady
Olivia Rose Sherwood
Catherine Silver
Renae Frances Sims
Yvette Marie Sims
Marguerite Petrina Slaats
Renee Louise Slym
Anita Ondine Smith
Eleanor Catherine Steeper
Katrina Maree Stephens
Ben Alexander Strachan
John Andrew Sullivan
Simone Jane Sullivan
Penelope Enid Swales
Paul James Swann
Emeline Taumoepeolau
Fiona Jane Taylor
James Charles Taylor
Matthew John Taylor
Jonathan Samuel Teasdale
Louise Mary Tegart
Eric Thacker
Thomas Michael Thawley
Cheryl Anne Thomas
Jan Maree Thurling
Diana Jeneic Toakley
Alison Kathleen Todd
Mark David Tolley
Gabrielle Maria Tramby
Johann Arthur Trueangel
Melba Tsoulis
James Vasakos
Elrond Govinda Veness
Nathan Alan Wales
Gillian Marjorie Walker
Tegan Anne Walker
Simon Wallace-Pannell
Peter Christopher Walsh
Chamil Arjuna Wanigaratne
Selina Watchorn
Allison Claire Webb
Nicholas Peter West
James Samuel Wheeler
Susan Maree Whitby
Linda Margaret White
Barbara Jean Whitehead
Anna Maria Wielopolska
Jeremy Nicholas Williams
Lucinda Kate Williams
Daniel James Wilms
Sarah Helen Drage Wilson
Fiona Jane Woodger
Kirsten Lee Woyzbun
Christopher John Young
Paul Joseph Zagami

Bachelor of Arts
dergree with honours

Jane-Louise Allison First Class Honours
Andrew Stephen Bajkowski Second Class Honours Division B
Duncan Stuart Beard First Class Honours
Antonia Clair Bergmanis Second Class Honours Division A
Kate Elizabeth Brady Second Class Honours Division A
Andrew Hamilton Bray Second Class Honours Division A
Norma Grace Beatrice Briscoe First Class Honours
David Glen Campbell Second Class Honours Division A
Paul John Campbell First Class Honours
Monica Carroll Second Class Honours Division A
Angela Maria Cartland First Class Honours
Sarah Jane Chidgey First Class Honours
Ellen Jane Christie-Johnston Second Class Honours Division A
Calum Gregor Clark First Class Honours
Anthony John Andrew Coles First Class Honours
Keith William Conley First Class Honours
Belinda Undia Costin Second Class Honours Division A
Richard Alexander Cowling Second Class Honours Division A
Charles Douglas Dearling Second Class Honours Division A
Julie Ann Dibden First Class Honours
Sophie Emma Dowling First Class Honours
Rachel Mary Eggleton Second Class Honours Division B
Richard Keith Fairbrother First Class Honours
Janine Felicitee Forbes Second Class Honours Division A
Stanley Bruce Fraser Second Class Honours Division A
Stephen John Free First Class Honours

Katharine Elizabeth Fullagar First Class Honours
Bronwyn Claire Gardner Second Class Honours Division B
Sarah Patricia Gilbert Second Class Honours Division A
David Michael Gooley Second Class Honours Division A
Adrian Adamson Goss Second Class Honours Division A
Travis Leigh Gottschutzke Second Class Honours Division A
Madonna Louise Griffin Second Class Honours Division A
Daniel John Hagan Second Class Honours Division B
Kate Hall Second Class Honours Division A
Han En Kwang Second Class Honours Division A
Jillian Lyn Harding Second Class Honours Division A
James Edward Hardy Second Class Honours Division A
Margaret Mary Hardy Second Class Honours Division A
Katrina Louise Hathaway Second Class Honours Division A
Jane Gwythyr Heseltine First Class Honours
Marian Joyce Hill First Class Honours
Ann Blue Hogan Second Class Honours Division A
Nicholas Lawrence Horne First Class Honours
Sarah Jane Howard First Class Honours
Guyren Gerard Howe Second Class Honours Division B
Rosemary Elizabeth Jennings Second Class Honours Division A
Peter Michael Johnson First Class Honours
Agnieszka Maya Jones Second Class Honours Division A
Meredith Suzanne Jordan Second Class Honours Division A
Susan Joan Jordan Second Class Honours Division A
Michael Fayat Keenan Second Class Honours Division A
Helen Anne Kinmonth Second Class Honours Division A
Catherina Irena Louise Knerr First Class Honours
Simon Jeremy La Barbera Second Class Honours Division A
Degrees and Diplomas Conferred

Fleur Lamb Second Class Honours Division A
Donald James Lancaster Second Class Honours Division A
Emma Josephine Lea First Class Honours
Emma Jane Lee Second Class Honours Division A
Edwina Mary Lewis Second Class Honours Division A
Helen Ruth Lewis Second Class Honours Division A
Sarah Jane Lonsdale First Class Honours
Abigail Mercia MacFarlane First Class Honours
Annabelle Elizabeth Martin Second Class Honours Division A
Stuart Craig Martin Second Class Honours Division B
Tamsin Anne May Second Class Honours Division A
Kirsten Estelle McCulloch Second Class Honours Division A
Catherine Anne McKersie Second Class Honours Division A
Michaela Johanna Money First Class Honours
James Kakare Morauta First Class Honours
Anne Louise Muir Second Class Honours Division A
Gillian Catherine O’Mara Second Class Honours Division A
Tamara Anne Osicka Second Class Honours Division A
Nicola Christine Parry Second Class Honours Division A
Attila Pelit Second Class Honours Division B
Louise May Pette First Class Honours
Michael Dean Poole First Class Honours
Jayne Margaret Reece Second Class Honours Division A
Sarah Louise Rice First Class Honours
Cassandra Adela Richards Second Class Honours Division A
Emma Catherine Robertson Second Class Honours Division A
Sonia Ann Robinson First Class Honours
Melinda Louise Rolfe Second Class Honours Division A
Peter Francis Rule Second Class Honours Division A
Anna Sarris Second Class Honours Division A
Ann-Marie Shannon Second Class Honours Division A
Rohini Crystal Sharma Second Class Honours Division A
Gabrielle Grace Sharp Second Class Honours Division A
Peta Allen Shera First Class Honours
Kathryn Sieper First Class Honours
Clare Alice Skinner First Class Honours
Karen Jane Smith Second Class Honours Division A
Brendan Somes Second Class Honours Division A
Michelle Elizabeth Alice Stevens First Class Honours
Joan Stivala First Class Honours
Aasha Elizabeth Swift Second Class Honours Division A
Michelle Tan Gaik Mei Second Class Honours Division A
Alistair David Tegart Second Class Honours Division A
Genevieve Thompson Second Class Honours Division A
Jinki Kalinda Trevillian First Class Honours
Karen Anne Turner Second Class Honours Division A
Janet Helen Tweedie First Class Honours
Helen Anne Van Der Geest Second Class Honours Division A
Torben Norfjand Vang First Class Honours
Susan Maria Vermeeren First Class Honours
Margot Elizabeth von Stein Second Class Honours Division A
Andrew Harry Webber Second Class Honours Division B
Christopher Weeks White Second Class Honours Division B
Angeline Clare Wilson First Class Honours
Lucienne Claire Wilson Second Class Honours Division A
Tammy Sharon Wolffs Second Class Honours Division A
Mary Ruth Wood First Class Honours
Sandy Clare Wrightson Second Class Honours Division A
Victoria Jayne Young Second Class Honours Division A
Bachelor of Arts (Art History and Curatorship)

Deborah Lynn Aldridge
Vicki Marie Anderson
Erica Louise Bowron
Claire Evelyn Campey
Alejandro Jose Castro Guerra
Rebecca Corbell
Sophie Alexandra Harper
Gillian Catherine O’Mara
Deirdre Llyris Ward

Bachelor of Arts (Art History and Curatorship) degree with honours

Bronwyn Alice Campbell Second Class Honours Division A
Rebecca Marie Deal Second Class Honours Division B
Katrina Helen Power Second Class Honours Division B
Katherine Louise Russell First Class Honours

Bachelor of Arts (Asian Studies)

Margaret Almond
Mark Leonard Robert Boyle
Timothy Marc Chambers
Glenn Leslie George Channing
Nancy Choy
Wing Sze Chung Laura
Callum Eric Clench
Catherine Margaret Clynes
Karen-Anne Marie Colburn
Timothy James Colebatch
Kathryn Mary Conlan
Anna Louise Connellan
Elizabeth Lee Edwards
Julie Louise Foster
Tina Louise Grayson
Ruth Hayward
Hideto Hoori
Bianca Nicole Kimber
Tanya Sue Kissin
Elizabeth Anne Kobold
Melinda Mei-Ling Lai
Emily Jane Lancsar
Sarah Louise Lubbock

Andrew Nathan Lunt
Andy Phan Marr
Alexander Bruce McKellar
Amy Louise Nelson
David Anthony Ong
Emma Roslyn Parsons
Alison Jane Ryan
Megan Claire Salter
Lucina Jayne Schmich
Lora Margaret Shaw
Nerida Joan Sheppard
Leanne Marie Smith
Stewart Alexander Smith
Simon Strasiotto
Nicholas Thongsrinoon
Kelly Vickery
Anna Sophie Widmer
Michael Anthony Wilson
Winifred Chui Fei Wong
Jason Charles York

Bachelor of Arts (Asian Studies) degree with honours

Mary Katrina Choi Second Class Honours Division A

Bachelor of Arts (Australian Studies)

Margaret Hampton
Jillian Kennedy
Rachel Eleanor Wynd

Bachelor of Arts (Development Studies)

Mohamed Faisal
Michelle Anne Paterson
William Anthony Scanlan
Justine Alexandre Vaisutis

Bachelor of Arts (Development Studies) degree with honours

Victoria Jane Carroll First Class Honours
Douglas Peter Hill Second Class Honours Division A

Bachelor of Arts (European Studies)

Allesandra Fabro
Gabrielle Grace Sharp
Grant Lyndon Snowden
Greg Paul Thomas
Lucetta Eva Thomas

**Bachelor of Arts (European Studies)**
*degree with honours*

Theodore Paul Baizos *Second Class Honours Division B*
Lachlan Philip Benson *Second Class Honours Division B*

**Bachelor of Arts (Policy Studies)**

Stephen Peter Barry
Michael Allan Bergmann
Oliver Vincent Jacques
Mary Jane Mertin
Margaret Dianne Miller
Dennis Wayne Mitchell
Stewart Patrick Thomas
Lisa Annette Wilson

**Bachelor of Asian Studies**

Ivan Ang Poh Hwee
Wing Man Amy Au
Oi Lee Chai
Michael Kem Geisner
Sarah-Jane Grove
Elizabeth Anne Johnston
Pun Rita Lai
Wilbur Ving Lee
Yung Tai Leung
Peter Bambang Love
Rebecca Theresa Lustenberger
Scott Maurice Nesbitt
Hema Prakash
Keith Allan Prinn
Oliver James Richards
Louise Mary Tuohy
Joedy Anne Wallis
Leigh Victoria Wilkinson
Benjamin Vivian Yates

**Bachelor of Asian Studies**
*degree with honours*

Matthew Paul Richards *First Class Honours*

**Bachelor of Asian Studies (Arabic)**

Farida Fleming *First Class Honours*

**Bachelor of Asian Studies (Hindi)**
*degree with honours*

Leila Meera Jordan *First Class Honours*

**Bachelor of Asian Studies (Indonesian)**

Debra Louise Sprigge
Linda A Yan

**Bachelor of Asian Studies (Indonesian)**
*degree with honours*

Marshall Alexander Clark *First Class Honours*
Nicole Louise Daley *Second Class Honours Division A*
Georgina Emily Harley *Second Class Honours Division A*
Fiona Cassandra McLean *Second Class Honours Division A*

**Bachelor of Asian Studies (Japanese)**

Nicole Maria Bargwanna
Elizabeth Maria Cox
Kirilov Nicholas Paramore

**Bachelor of Chinese Studies**

Michael Joseph Quirk
Bret Sutcliffe

**Bachelor of Chinese Studies**
*degree with honours*

Adam Gardner-Rush *Second Class Honours Division A*

**Bachelor of Commerce**

Marini Abidin
Riko Abrar
Lisa Kerryn Austin
Erin Diane Bailey
Danielle Joanne Beatty
Fiona Judith Bilow
Vanessa Anne Bond
Scott Alexander James Braid
Mei-Yee Nancy Chan
Degrees and Diplomas Conferred

Steven Luke Morrison
Deanne Michelle Murray
Usha Anjani Victoria Narain
Kellie Elizabeth Nicholls
Jacinta Claire Nicol
Robert James Oldfield
Ooi Siew Thian
Caroline Mary Painter
Rebecca Jean Parkinson
Michelle Ann Pearce
Michelle Penalurick
Kirsten Ruth Plunkett
Jason Anthony Christian Potts
Peter Psaltis
Nicola Janet Anne Purser
Jason Stefan Grobbelaar Rankin
James Raymond Rees
Ashley Scott Robertson
Debbie Maree Rogers
Owen Harold Rowlands
Olivia Kate Sainsbury
Natasha Anne Schmidt
Paul Leslie Schmidt
Larissa Scott
Rimmilin Scott
Michael William Shirley
Shannon Shu
Adel Smee
David James Sprott
Jodie Louise Stein
Darren Milton Stevens
Henry Shaun Street
Corrie Evelyn Swinnerton
Aldrin Tong Heng Tan
Tan Su Huat
Hua Nee Wendy Teoh
Man Kit Tsui
Rama Va’a
Christine Jodie Vickery
Sanja Marija Vlai'cvic
Gregory Joseph Weppner
James Melbourne Wilde
Benjamin David Wilson
Grant Francis Wilson
Wong Kee Kuan Baldwin
Phik Kuan Wong
Winifred Chui Fei Wong
Mark Jason Wood

Peter John Wood
Md Yusaini Yasin
William Philip Yeung
Deahne Zanatta

Bachelor of Commerce
degree with honours

Serena Niap Second Class Honours Division A
Toh Meng Wan Second Class Honours Division A
Julie Marie Zarate Second Class Honours
Division B

Bachelor of Economics

Roula Abul-Husn
Farheena Ahmad
Simone Alabaster
Bruno Antonio Aloisi
James Ronald Thomas Anderson
Keith William Baker
Simone Lee Bell
Trent Andrew Birkett
Marnie Jane Braithwaite
Kylie Brettschneider
Benjamin James Brown
Graeme Robert Budd
Michael Raymond Butler
Jonathan Wing Tsak Chung
Andrew Paul Coghlan
Alexandra Robin Craighead
Melissa Jane Daley
James Anthony Daniels
Mark Robert Davidson
Nathan John Davidson
Benjamin John Davis
Robert Arthur Donelly
Timothy Bill Fairbrother
Stuart Christian Folkard
Nicole Therese Foster
Anne Sarah Gifford
Jaimie Cameron Gordon
Belinda Jane Grahame
Peter Jonas Grigliunas
Cathryn Dorothy Gross
Melissa Deanne Hetherington
Lisa Jane Hewson
Ian Jason Hillsdon
Juanita Anne Hoare
Victoria Louise Hodgson
Pamela Chloe Horsley
Olivia Jane Howell
Abigail Huenek
Alwyn Jong-Huey Hung
Andrew William Hunter
Thach Huynh
Blayne Alexander Jaffray
Stephanie Nicole Julienne
Nicholas Christos Kalogeropoulos
Kan Eng Wei
John Nectarios Kapsalis
Emma Felicia Katauskas
Wei Wei Kee
Peter James Kittler
Aaron William Knight
Emily Jane Lancsar
Petros Lappas
Narelle Jane Lucas
Peter Robert Lunt
Jane Maree Mangelsdorf
Gavin Leslie Matthew
Jamie McBrien
Valerie Elizabeth McKay
Janine Ruth McKenzie
Lyle Fagan Meaney
Michelle Elissa Methven
Raelee Ann Meyers
Howard Stewart Mitchell
Nicole Samantha Mitchell
Michael John Molloy
Sean Elliot Mowbray
Usha Anjani Victoria Narain
Benjamin Charles Nash
Priscilla Anne Nesbitt
Tuong-Van Ha Ngo
Kristen Grace Northwood
Harry John Notaras
James David O'Leary
Jennifer Ruth Oliver
David Peter Paabo
Justin Simon Pang
Emma Roslyn Parsons
Langdon Samuel Patrick
Daniel St Merryn Payne
Michelle Penalurick
Chinarie Shadini Perera
Donna Maree Poole
Claire Alexandra Ramsay
James Raymond Rees
Lillian Nosthas Rodrigues
Carly Anne Schuhkraft
Shona Larissa Scott
Samuel Albert Shepherd
Alan John Smith
Tanya Nicole Smith
George Sotiropoulos
Daniel James Stewart
Stephen Raymond Stubbs
Bret Sutcliffe
Mujde Tahtali
Ping Hong Kuang Yiow Tan
Anastasia Karen Diane Tearne
Cheryl Anne Thomas
Nicholas Thongsrinoon
Michael Robert Tomlinson
Felicia Estelle Trewin
Melba Tsoulias
Lindy Jo Tucker
Eleanor Jane Valentine
Lorrae Elise Van Kerkhoff
Iwan Johannes Elisabeth van Tilburg
Christine Jodie Vickery
Simon Walsh
Robert John Ward
Sharon Leanne West
Michael Anthony Wilson
Jodie Rae Yates
Sun Yiu Yu

Bachelor of Economics
degree with honours

John Francis Patrick Bridges Second Class Honours Division B
Julian James William Butler Second Class Honours Division B
Geoff Andrew Edwards First Class Honours
James Andrew Engel First Class Honours
Joshua Gordon Second Class Honours Division A
Gabriel Charles Herr Second Class Honours Division B
Yuan-Yuan Liu Second Class Honours Division A
Nick James McClintock Second Class Honours Division B
Nicholas James Mitchell Second Class Honours Division B
Damien Leslie Moore First Class Honours Division A
Sandra Kimlin Navalli Second Class Honours Division A
Scott Maurice Nesbitt Second Class Honours Division A
David James Wynyard Stokes Second Class Honours Division A
Sandy Suardi Second Class Honours Division B
Dorothy Terwiel First Class Honours
Michael Ian Warlters First Class Honours

Bachelor of Engineering
Kiu Hung Cheung
Mohamad El-Adhami
David Mark Elliot
Anne-Maree Kate Englund
Hess Chiu Keung Wong

Bachelor of Engineering degree with honours
William Patrick Clarke Second Class Honours Division A
Douglas Conrad Creighton Second Class Honours Division B
Warwick Robert Forster Second Class Honours Division B
Richard Grenville George Second Class Honours Division A
Dallas Jeffrey Grigg Second Class Honours Division A
Richard Barron Hellerwell Second Class Honours Division B
Benjamin James Hogan Second Class Honours Division A
Susan Marie Hogg First Class Honours
Vinay Hooloomann First Class Honours
Thomas Christopher John Second Class Honours Division A

Bachelor of Indonesian Studies
Peter Scott Lansley

Bachelor of Information Technology
Kevin Charles Bates
Ian Brumby
Gregory Paul Cannon
Choi Chung Ping Willis
Scott Michael Dawson
Sean Joseph Esler
Anthony Stephen Hayduk
Ju-Hi Hong
Shahadat Hossain
Carl Jiaxin Jiang
Thomas Christopher John
Daniel John Lloyd Jones
Wing Hong Lai
Thomas Herrmann Larner
Gerald Kim Foh Lee
Philomena Siu Yun Lee
Hina Malik
David John McCabe
Rowan Michael McLachlan
Gregory John Newton
Samantha Lauren Nixon
Shaun Peter Onstenk
Ooi Liang Chieh
Marton Papp
Matthew Thomas Pearson
Christian Ha Hai Pham
Melissa Elizabeth Pyke
Adrian Tan Vui Kiong
Ian Allan Trickett
Scott Andrew Wallace
Elizabeth Margaret Woods

Bachelor of Japanese Studies

Julie Michelle Griffiths
Paul Kevin Hibberd
Abigail Hueneke
Michelle Louise Muller
Lindy Jo Tucker
Sharon Leanne West
Linda Gai Williams

Bachelor of Laws

Michelle Ann Adamson
Sonali Adappa
Michael Agostino
Belinda Ann Barker
Charlotte Elizabeth Bell
Harriette Elke Benz
Linda Jean Black
Oliver Colin Blain
Rebecca Suzanne Bryant
Nicole Elizabeth Burg
Rachel Lee Callinan
Michelle Leanne Cater
Chong Siew Mun
Choo Kian Ming
Chow E-Va

Tania Deanne Clarke
Andrew Alan Cooley
Elizabeth Rachael Coventry
Tamara Michelle Curl
Benjamin John Davis
Nicole Anne Duncan
Vanessa Louise Fielding
Marcus Daniel Fogarty
Michael Stephen Robert Garvin
Cameron Brett Gascoyne
Amalia Emily Gazis
David Michael Gooley
Imme Ulrike Gray
Jane Hall
Matthew David Hall
Andrew John Harris
Annabelle Jane Herd
Jonathan Lowell Higginson
Rebekah Ann Eulalia Honey
Cameron Robert Hutchins
Robert Andrew Jeremenko
Kirsten Leigh Kobus
Jason Mark Alexander Kochel
Leanne Li Ann Koh
Fleur Lamb
Fiona Lambeck
Adam Morgan Lambert
Susan Elizabeth Lewis
Kevin Sebastian Lynch
Lucy Jane MacMillan
Catherine Anne Maurer
Benjamin Bevan May
Lakshmi Genevieve Meyers
Heather Ann Nash
Kylie Louise Neville
David Peter Paabo
Matthew Richard Page
Stephen Ronald Palethorpe
John Phillip Peisley
Matthew Wilson Pond
Adam James Pratt
Susan Elizabeth Proctor
Simon Matthew Rebbechi
Ashley Scott Robertson
Emma Jane Robertson
Jane Penelope Robinson
Ballanda Evelyn Stephanie Sack
Nitish Ram Sadhu
Sakimi Samuels  
Michael Jorg Selinger  
Nerida Joan Sheppard  
Michael William Shirley  
Linda Meng Hui Sim  
James Robert Slack-Smith  
Kylie Amanda Smith  
Syed Naqiz Shahabuddin Syed Abdul Jabbar  
Rebecca Jean Tailby  
Jonathan Samuel Teasdale  
Mai Tuyet Tran  
Anita Maree Van Hilst  
Andrea Olav Bing Volentras  
Simon Lister Wallace  
Edward John Gilbert Wightman  
Melissa Annesley Williams  
Phik Kuan Wong  
Rafer Paschal Young  
Amanda Louise Whybrow Zanardo  
Josip Pavao Zivko  
Matthew Pierre Zurstrassen

Bachelor of Laws  
degree with honours

Alexander Paul Agafonoff Second Class Honours  
Division B  
Kurt Ko-Ting-Sung Alim Second Class Honours  
Division B  
Bridget Helene Andersons First Class Honours  
Mimi Isabel Barbaro First Class Honours  
Rebecca Kay Barnes Second Class Honours  
Division A  
Michael James Bartlett First Class Honours  
Kim Amanda Barton Second Class Honours  
Division A  
Thomas Garry Bartos First Class Honours  
Jocelyn Bell Second Class Honours Division B  
Katrine Anne Bewley First Class Honours  
Joshua Alexander Brien Second Class Honours  
Division A  
Peta Michel Carroll Second Class Honours  
Division A  
Michelle Allison Anita Cooper Second Class Honours Division A  
Michelle Nadine Cooper First Class Honours  
Sarah Anne Cumming Second Class Honours  
Division A  
Fiona Marion David First Class Honours  
William Laurence Day Second Class Honours  
Division A  
Gim John David Del Villar First Class Honours  
John Gordon Dyson Second Class Honours  
Division A  
Geoff Andrew Edwards First Class Honours  
Kirsten Joanna Edwards First Class Honours  
Rachel Elizabeth Ellyard Second Class Honours  
Division A  
Caroline Louise Evans Second Class Honours  
Division A  
James Tristan Forrester Second Class Honours  
Division A  
Daniel Robert Gibson Second Class Honours  
Division A  
Sophie Jean Gilder Second Class Honours  
Division A  
Vicki Maree Gillick Second Class Honours  
Division A  
Richard Alexander Glenn First Class Honours  
Dominic Thomas Edward Gyngell Second Class Honours Division A  
Virginia Anne Hart Second Class Honours  
Division B  
Matthew Peter Harvey Second Class Honours  
Division A  
Sonia Christina Hay Second Class Honours  
Division A  
Paul Kevin Hibberd First Class Honours  
Julian Robert Humphrey Second Class Honours  
Division A  
Thy Khanh Huynh Second Class Honours  
Division A  
Elissa Amelia Keen First Class Honours  
Adam David Kirk First Class Honours  
Kirsten Louise Knowles Second Class Honours  
Division A  
John Terence Larkin Second Class Honours  
Division A  
Andrew Robert John Laurie Second Class Honours Division A  
Katherine Jane Louis First Class Honours  
Peter Lupton Second Class Honours Division A  
Melissa Jane Mandalis Second Class Honours  
Division B  
Andrea Mastromatteo First Class Honours  
Catherine Anne McCormack Second Class Honours Division A
Clinton Earl McKenzie First Class Honours
Michaela Johanna Money Second Class Honours Division A
Miriam Judith Moore Second Class Honours Division B
Anneke Ruth Myers-Meischke Second Class Honours Division B
Sandra Kimlin Navalli First Class Honours
James David O’Leary Second Class Honours Division A
Emily Elizabeth Grosvenor Pocock Second Class Honours Division A
Stephen Malcolm Price Second Class Honours Division B
Benjamin Neil Roberts Second Class Honours Division B
Helen Ruth Roberts First Class Honours
Declan John Michael Roche First Class Honours
Shahyar Roushan First Class Honours
Thomas Sansom Second Class Honours Division A
Mark Andrew Simon Second Class Honours Division A
Amelia Mary Simpson First Class Honours
Victoria Louise Hammond Second Class Honours Division A
Patricia Anne Taylor First Class Honours
Thomas Michael Thawley Second Class Honours Division A
Joanne Kelly Twible Second Class Honours Division B
Vicki Leanne Wilkinson Second Class Honours Division A
Grant Francis Wilson First Class Honours

Bachelor of Science
Margaret Almond
Helen Anderson
Karen Michelle Anderson
Michael Peter Anderson
Alexander John Austin
Hilary Jane Bambrick
Diane Maree Banks
Julian Christopher Barnard
Margherita Jane Barresi
Thomas Garry Bartos
Leanne Frances Belcher
Lisa Alexandra Bergman
Helen Louise Berry

Anthony Jason Bettanin
Linda Jean Black
Alecia Clare Bower
Michael Sean Brill
Caroline Helena Brown
Anthony Neville Burkitt
Kate Victoria Butter
Michael Raymond Butler
Omar Charles
Sarah Clarkson
Damian Peter Cole
Shane Michael Compton
Richard William Conan-Davies
Pamela Kay Connor
Bree Kimberley Cook
Katrina Rea Cook
Lucy Anne Coupland
Victoria Clare Crapper
Benjamin Michael Crowe
Samantha Leigh Cursley
Leanne Cherise Darby
Mark Robert Davidson
Damien Paul Davies
Jocelyn Ivy Davies
Sandra Lee De Plater
Sarah Elizabeth Dorrrough
Joanne Margaret Downey
Liana Tiffany Downey
Elizabeth Lee Edwards
Harold Raoul Eeman
Mohamad El-Adhami
David Mark Elliot
David John Evered
Michael Charles Fagan
Michael Stephen Farkas
Nyree Jane Fitzpatrick
Trish Anne Flores
Christopher Philip Gard
Michael Stephen Robert Garvin
Steven James Giles
Bruce Ian Gilmour
Aldred Hubert Gonzalez
Mary Georgina Gotzinger
Belinda Jane Grahame
Toni Elizabeth Greaves
Sophy Merran Greenwood
Simon Anthony Greet
Arthur Lindsey Gretton
Cathryn Dorothy Gross
Alistair Campbell Hack
Kieran James Hagan
Richard Francis Hambly
Jennifer Mary Hanuska
Chairudin Sentosa Harjo
Michelle Kristy Harmos
Ghali Hassan
Simon Ian Hill
Anna Rose Hitchcock
Benjamin James Hogan
Susan Marie Hogg
Rebekah Ann Eulalia Honey
Leah Maree Hopkins
Pamela Chloe Horsley
Paul Andrew Houlder
George Neil Hyden
Seumas William Munro Hyslop
Paul Gregory Imhoff
David Julian Isaacs
Emily Jeffress
Robert Andrew Jeremenko
Agniezka Maya Jones
Wei Wei Kee
Adrian Gregory Kennett
Glenn Francis Kerr
Russel Owen Killick
Anne Louise Kovachevich
Melanie Louise Kyle
Adam Morgan Lambert
Erin Elizabeth Laroche
Richard Antony Lawrence
Rachel Anne Lea
Joannah Katherine Lee
Mee-Ok Lee
Gregory John Leidreiter
Donus Loh Pui Kwan
Jason Christopher Lord
Rebecca Lea Lucas
Peter Lupton
Douglas Russell Callay Mackey
Michael Jay MacDonald
Abigail Mercia MacFarlane
Cynthia Maher
Gem Erica Manning
Marianne
Yvette Denise Martin
Daniel Patrick McAvoy

Geoffrey Stuart McCarron-Benson
Kirsten Lynne McDonald
Andrew John McFadzean
Willow McGregor
Ian Ross McIntosh
Adam John Davy McKay
Kylie Anne McNicol
Lakshmi Genevieve Meyers
Jane Louise Milthorp
Nancy Misi
Anna Magdalena Monro
Christopher William Moore
Ian Edward Morland
Catherine Marie Muggeridge
Leanne Marie Munro
Barbara Jean Neil
Neo Eng Chuan
Betty Thuy Ngoc Nguyen
Kristen Grace Northwood
Amanda Pain
Pinky Pancholi
Stephen Neil Panter
Parthenia Papantonioiu
Matthew Dennis Parkes
Jose Kathryn Pearce
Antoinette Louise Perry
Kirsten Ruth Plunkett
Philip Robert Pocock
Paula Carol Pollock
Claire Alexandra Ramsay
Madhavi Rao
Simone Louise Rees
Adam Charles Rennie
Dieuwer Reynders
Alma Ridep
Michael Rogers
Tim William Rogers
Megan Claire Salter
Rohan Lyle Sayce
Paul Steven Scherl
Kent William Seebohm
John Andrew Seidel
Man Fo Adam Shen
Olivia Rose Sherwood
Anshu Shrivastava
Sergio Silva
Allan Watze Sjaarda
Monique Maree Skidmore
Adam Lee Smith  
Viphaphone Toutou Soupravat  
Christopher William Antony Steele  
Karli Tasma Stevenson  
Daniel James Stewart  
Henry John Amos Tait  
Sarah Elizabeth Tay  
Andrew Dempsey Taylor  
Natasha Luan Tetlow  
Gabrielle Maria Tramby  
Hon Thi Tran  
Craig Robin Tribolet  
Stephen Bastiaan Van Der Hor  
William Vandenberg  
Simon Wallace-Pannell  
Damian Scott Wanstall  
Nigel Beric Webster  
Michael John White  
Barbara Jean Whitehead  
Erica Jean Willis  
Ho Yin Yeung  
Lara Veronica Zasiadczyk

Bachelor of Science  
degree with honours

Steven Eric Adamson Second Class Honours  
Division A
Bruno Antonio Aloisi Second Class Honours  
Division A
Michael John Siew Lueng Ashley First Class Honours  
Karl Gwyn Baigent Second Class Honours  
Division A
Suzanne Margaret Bedford First Class Honours  
Rhett Andrew Blanch Second Class Honours  
Division A
Timothy Richard Brinkley Second Class Honours  
Division A
Donald Brian Bromhead First Class Honours  
Caroline Anne Brown Second Class Honours  
Division B
Jeremy Colin Brownlie First Class Honours  
Benjamin Caird Buchler First Class Honours  
David Ross Burbidge First Class Honours  
Paul Anthony Burkle Second Class Honours  
Division A
Brigid Teresa Byrne Second Class Honours  
Division A
Swarup Chatterjee First Class Honours  
John Leslie Corcoran Second Class Honours  
Division A
Paul Bruce Cutting Second Class Honours  
Division A
Christopher Mark Dennis Second Class Honours  
Division A
Catherine Marie Devlin First Class Honours  
Peter David Dougan Third Class Honours  
Paul Owen Downey First Class Honours  
Christopher Michael Dyer First Class Honours  
Elizabeth Nicola Fortune First Class Honours  
Luke Dylan Foster First Class Honours  
Cathy Jane Frazer First Class Honours  
Tobe Che Benjamin Freeman First Class Honours  
Timothy John Grenfell Second Class Honours  
Division A
Daniel Peter Groves First Class Honours  
Nerida Leigh Harley First Class Honours  
Andrew McColl Hogg First Class Honours  
Owen George Jepps First Class Honours  
Maggie Emma Kauffman Second Class Honours  
Division A
Julie Kirkwood First Class Honours  
Mathew Terence Koen First Class Honours  
Mark Eric Koina Second Class Honours Division A
Kathryn Anne Kovac First Class Honours  
Damien Andrew Kuzek First Class Honours  
Rachel Therese Lacey Second Class Honours  
Division A
Patrick Lesslie First Class Honours  
Alice Patricia Lord First Class Honours  
Nigel Thomas Lucas First Class Honours  
Leonard Anthony Mancini Second Class Honours  
Division A
Michelle Jane McCann First Class Honours  
Steven Anthony McGloughlin Second Class Honours Division A
John Francis McGrath First Class Honours  
Justin Charles McGuire First Class Honours  
Luke Anthony Mercieca Second Class Honours  
Division A
Stuart David Midgley First Class Honours  
Kerry Elizabeth Mills First Class Honours  
Belinda Mitterdorfer Second Class Honours  
Division A
Debra Annette Morgan First Class Honours
Degrees and Diplomas Conferred

Silas James Mylecharane Second Class Honours Division A
Raina Hindmarsh Naulty Second Class Honours Division A
Ann Denise O'Donnell Second Class Honours Division B
Christopher Paul O'Hara First Class Honours
Gavin Andrew O'Shea First Class Honours
Steven John Oliver First Class Honours
David Ian Osmond First Class Honours
Lankamali Yasasvini Pangnadasa Second Class Honours Division A
Anna Elizabeth Poskitt First Class Honours
Emma Louise Prime Second Class Honours Division A
Anna Judith Reynolds First Class Honours
Peta Lesley Reynolds First Class Honours
Megan Jean Rive First Class Honours
Stephen Nicholas Roderick First Class Honours
Katrina Anne Schmidt Second Class Honours Division A
Daniel Anthony Shaddock First Class Honours
Miranda Sherley First Class Honours
Bernadette Ann Smith Second Class Honours Division B
John Andrew Sullivan Second Class Honours Division B
Rowena May Thomson First Class Honours
Wendy Amanda Timms First Class Honours
Amanda Jean Tressler-Smith Second Class Honours Division A
Lorrae Elise Van Kerkhoff First Class Honours
Lins Vellen Second Class Honours Division B
John Charles Walker First Class Honours
Mathew Graeme Wells First Class Honours
Peter Michael Edward Williams Second Class Honours Division A
Alice Mary Woodruff Second Class Honours Division A
Simon Leslie Worland Second Class Honours Division A

Robert Gerald Alan Eastment
Alex Flint
Robyne Helen Ursula Leven
Peter Robert Lunt
Ranid Peter May
Daniel Francis Ryan
Craig Robin Tribolet
Robert Montrose Young

Bachelor of Science (Resource and Environmental Management)

Sally Elizabeth Barter
Michelle Anne Blowes
Nathan Bonner
Damian Peter Buchanan
Stuart Michael Bury
Sophie Jane Clayton
Antony Cory
Bartholomew Davidson
Randall James Donohue
Felicity Jane Dunphy
Jennifer Mary Gilles
Rachel Gregson
Emma Kathleen Keightley
Tess Justine McCarthy
Deborah Messina
Deborah Louise Metters
Nicole Myszka
Hayley Odgers
Michael Robert Pisasale
Andrew Peter Reed
Gordon Sue
Anton Gote Vikstrom
Johanna Elizabeth White
Andrew David Wong
Jane Louise Yelland

Bachelor of Science (Resource and Environmental Management) degree with honours

David John Beard Second Class Honours Division A
Julia Helena Graczyk Second Class Honours Division A
Gregory Lloyd Newman Second Class Honours Division A
Alison Pritchard Second Class Honours Division A

Bachelor of Science (Forestry)

Judy Lee Alexander
Glenn Bailey
Andrew John Bayley
Benjamin Robert Derrick
Jodie Ann Dover
Lorraine Ellen Scott  First Class Honours
Jenifer Lyn Ticehurst  First Class Honours

Graduate Certificate in Demography
Michael Booti Nauan

Graduate Certificate in Economics of Development
Selina Akhter, BSS MSS  Chittagong
Severa De Costo, BSc  Philippines
Zafar Iqbal, BCom MCom  Dhaka
Duc Huy Luu, BSc  Univ. Transport&Communication
Wichanun Niwatjinda, BA  Ramkhamhaeng
Warnakulasuriya Ivan Tissera, BA  Peradya

Graduate Certificate in Language Teaching
Fiona Jane Arthur, BA  ANU, DipEd  Canberra
Lilian Joyce Booth
Therese Carmel Dupe, BA  ANU, DipEd  Canberra
Lorna Maria Fleetwood, BA(Hons)  York, GradCE  Bris.
Melanie Jane Hobbs, BEd  Canberra
Mary Helen Nicolson, BA  Qld
Pamela Wendy Oldmeadow, BA  ANU, DipEd  Syd.
Marco Antonio Saballa Guijuelos, ProfEducGenBas  Tarapaca

Graduate Certificate in Public Policy
Rachel Anne Houlbrooke, MSc  Linc.
Joseph Mahony Kilby, LLB  ANU, DipCompSc  Murdoch
James Peter McCormack, BA  NSW

Graduate Diploma in Accounting
Anne Elizabeth Brophy, BComm BSc

Graduate Diploma in Applied Linguistics
Maria Francisca Xaveria Handoko, BA

Graduate Diploma in Arts
Meridan Jane Biziak, BA(Hons)
Carmela Brancato, BEd  Canberra

Karen Tracey Graham Byng, BA(Ec)  CityPolyLond
Christine Vivienne Callen, BGraphDes  Canberra
Jennifer Ngaire Clement, BA(AsianStudies)
Jennifer Kate Coombes, BA
Julia Anne Cowling, BA W.Aust., BA(Hons)
Steven Patrick Duffy, BA
Michaela Jean Forster, BA  Monash
Anne-Marie Kriegel Grey, BA
Tracey Maree James, BArch  NSW
Suzanne Janet Kite, BA
Bugie Kusumohartono
Do Van Luc, BA GradDipComm  Canberra
Amanda Katrina MacDonald, BA  Qld
Alison Margaret Winnifred McCaskie, BA
Penelope Ann Elizabeth Main, BSc(Hons)  NSW, GradCertPubPol
Terrance Keith O'Connor, BA
Sarah Alexandra Pointon, BA
Jo-Anna Prichard, BA  Curtin
Susie Quinn, BFineArts  NSW
Roshan Nicholas Rajkumar, BA(Hons)  Boston
Jennifer Joan Trezise, BA  Monash, DipEd  Canberra
Yukako Wada, B Soc  Osaka,
Kazuko Westcott, BA  Maq.
Craig Edwin Wilkes, BBus  DarlDownsIAE
Annabel Heathcote Wyndham, DipSocWel  Stockholm, BSW  NSW

Graduate Diploma in Asian Studies
Naruki Enomoto, BA  HimejiDokkyo
Shaad Khan, BA  LaT.
Hitomi Kitasaka, MA  Canberra
Daniel Cheungsing Lee, BJapS
Jonathon Morris Lee, BA  Syd., Diploma  SWChinaTeachers'Univ.
Michael Christopher McEvoy, BA  UnivCollCentralQld
Wei Yang, BEd  Anhui

Graduate Diploma in Australian Studies

Graduate Diploma in Demography
Tahmina Akhter, BSS MSS  Dhaka
Thomas Geoffrey Harold Bowan, BA
Zitha Segametsi Dewah, BA Botswana
Debashish Roy, BSc(Hons) MSc Dhaka
Paul Onalenna Seakamela, BA Botswana

**Graduate Diploma in Development Administration**
Md Shah Alam, BCom MCom LLB Dhaka
Jande MacSon Paul Banda, BA Malawi
Pentiga Eremya Eric Carlua, BA PNG
Ignatius Litiki, BEd PNG
Patrick Sarea Meakoro
Daphetone Chibuye Siame, DipEd Zambia
'Atelaite Koloale'O Soakai, BA South Pacific, GradDipA Melb.

**Graduate Diploma in East Asian Studies**
Yasuko Shin, MA(SocSc) Hitotsubashi

**Graduate Diploma in Economics**
Jane Maree Brockington, BEc N'cle (NSW)
Brett Damien Graham, BEc
Simon John Hanley, BEc BSc
David Malcolm Lowe, BEc Yokohama
Colin John Mues, BEc
Bhamathy Parameswaran, BSc Adel., GradDipStats
Deborah Gaye Peters, BBus Curtin

**Graduate Diploma in Economics of Development**
Dinh Van Toan, BSc Hanoi
Truong Do Xuan, BEc Hanoi
Paul Kingsley Gretton, BEc Monash
Christopher James Lawson, BA BEc
Tuyet Nhung Le, BEc Sofia
Jennifer Mbabazi, BStat Makerere
Femmy Roeslan, Sarjana Ekonomi Indonesia
Qun Shi, BEc Beijing
To Thi Phuong, BEc Hanoi
Vu Quoc Ngu, BCom Hanoi
Haiying Zhang, BEc XianJiaotong Univ, MEc Central Inst. of Finance & Banking

**Graduate Diploma in Environmental Law**
Yvonne Lo-An Francis, BA Deakin
Paul William Kelly, BA Canberra

**Graduate Diploma in Environmental Management and Development**
Bang Anh Tuan, BA Ho Chi Minh
Janine Robyn Conway, BAppSc Canberra
Neptale Dumada-ug, BSc(ChemEng) ColegiodeSanAugustin, MA(Teach) Philippines(Diliman)
Louisa Rene Geddes, BA
Jenny Hamilton-Smith, BA Canberra
Kule-En Hamou
Andrew Stuart Jones, BAppSc Canberra CAE
Nootsuporn Krisdarn, BSc Chiang Mai
Caroline Margaret Le Couteur, BBus UNE, BEc
Philip Andrew Miles, BArch Deakin
Nguyen Huu Dung, BSc(For) Dresden
Vijayalakshmi Rajagopalan, BA Madras
Vanbouakham Saignasith, MD Medical Sciences Univ

**Graduate Diploma in Finance**
Christopher Michael Bilson, BComm
Steven Huynh, BComm BEc

**Graduate Diploma in Foreign Affairs and Trade**
Carl John Ungerer, BA Qld, MA Griffith

**Graduate Diploma in International Law**
Anna Rosita, Sarjana Hukum Padjadjaran

**Graduate Diploma in Law**
Stuart David Bett, BSc LLB Monash
Rachael Eve Sarah Zavodnyik, LLB Lond.

**Graduate Diploma in Legal Practice**
Augustus Asante Agyemang, LLB(Hons) Ghana
Garry David Bates, DipLaw Syd.
Vanessa Anne Bateup, BCom LLB Canberra
Alison Rebecca Bellamy, BA LLB,
Jody David Billington, BA LLB Tas.
James Anthony Blackmore, BEc LLB
David Anthony Bohn, BA(Hons) LLB Adel.
Julian Anthony Bradley, BA LLB
Katherine Louise Briggs, BA LLB
Melissa Catherine Bullen, LLB QUT
Bruce Andrew Burke, BA(Accting) Canberra, DipLaw Syd.
Penelope Kaye Campbell, BA LLB
Georgina Maree Carter, BA LLB
Joe Chi Hung Chan, BCom LLB NSW
Chen Lizhong, BA GradDip(Journ) Shanghai, LLB
Joshua Anthony Cole, BEd LLB
Andrew Alan Cooley, BSc(Hons) LLB
Simon Mark Cordina, BSc LLB
Paul Wesley Crabb, DipLaw Syd., BA LLB
Nathan Jon Cureton, BA LLB
Benjamin John Davis, BEd LLB
Fulvia Ramona Donati, BA LLB Murdoch
Gregory Patrick Durr, BLegS Macq.
Michael Ryan Dwyer, BEd LLB
Anne Caroline Edwards, LLB
Damian Richard Flanagan, BA LLB
Michelle Therese Foster, BCom(Hons) LLB NSW
Tina Elizabeth Gavel, BA LLB
Michelle Gaye Giacomo, LLB
Raylee JonesGolding, BCom LLB Canberra
Nancy Winifred Griffiths, BScSc LLB NSW
Helen Mary Grutzen, BA Melb., LLB Monash
Gregory Vincent Harris, BA Flin., BLegS Macq.
Lisa Shane Haynes, LLB
Michaela Kathryn Hill, BA LLB W.Aust.
Janet Elizabeth Hope, BSc(Hons) LLB
Kay Keiko Hirata, LLB Syd.
Mark Graham Hurney, BA(Hons) NSW, LLB Syd.
Robert Thomas Mostyn Hurt, BSc LLB
Jane Ellen Jennett, BEds UTS, LLB UNE
Andrew Kenneth Johnson, BA LLB
Mitchell Bruce Jones, LLB
Vicky Kanellopoulos, BA LLB Canberra
Brett Stephen Kent, LLB Macq.
.nanette Kerrison, BA LLB
Susan Betty Kirby, DipEd Canberra CAE., DipLaw Syd.
Kenneth Kin Yip Lai, BCom LLB NSW
Richard John Leahy, LLB Qld
Katherine Ka Yin Lee, BCom LLB NSW
Mark Robert Leishman, LLB
Robert Jeremy MacLean, BComm LLB
Brendan Paul Maier, BA LLB
Susan Mary McIntosh, BA Syd., LLB
Mary-Ellen Meaney, LLM UTS, LLB
Justin Brian Mossman, LLB
Jeffrey Mark William Murphy, BA LLB
Ka Lam Karen Ng, BCom LLB NSW
Michael Nolan, BA DipEd, GradDipLibSc MLS Qld., LLB Macq.
Gillian O'Malley, BA LLB
Katherine Therese Oldfield, LLB
Karl Andrew Pattenden, LLB
Melissa Helen Petersons, BSc LLB
Sally Caroline Petherbridge, MA NSW, BA(Hons) LLB
Alison Fay Playford, LLB
Rohan Marc Purdy, BComm LLB
Bonny Jane Puszka, DipLaw Syd.
Bernard Francis Quinn, BA(AsianStudies)(Hons) LLB
Shane Stephen Rattenbury, BEd LLB
Diana Josephine Glasgow Roden, LLB
Maurice Ian Rowe, DipLaw Syd.
Sakimi Samuels, LLB
Matthew Kenneth Smith, BComm LLB
Carolyn Joy Spiers, DipLaw Syd.
Patricia Rosemarie Summerell
Syed Naqiz Shahabuddin Syed Abdul Jabbar, LLB
David Sai-Chiu Tam, BCom LLB
Stephen Alexander Taylor, LLB
Thomas Michael Thawley, BA LLB
Elizabeth Joan Trickett, BSc NSW, BA LLB
Mataomaile Tuatagaloa, LLB NSW
Sacha Wainwright, BEd LLB
Marinda May Waller, BA LLB
Amanda Jane Walsh, BA Tas., LLB
Belinda Jane Williams, BEd LLB
Danielle Deanne Windley, BA LLB
Sean Patrick Wroe, BAScSc LLB Canberra
Chui-Yuen Yong, BA LLB Adel.
Anna Zajkowski, BA LLB Canberra
Rachael Eve Sarah Zavodnyik, LLB

Graduate Diploma in Legal Studies
Sarah Louise Erricker, BCom Edin

Graduate Diploma in Middle Eastern and Central Asian Studies
Ahmed Mohamed Nur, DipVolkswirt Cologne
Graduate Diploma in Population Health
Stephen John Begg, BA(Hons) Swinburne UT
Christine Frances Benger, BAppSc Canberra
Ann Louise Duffy, BA ANU, DipEd Syd., MA NSW
Edith Elizabeth Gray, BA Canberra
Abul Khair Mohammad Afzal Hossain, MSc Dhaka, PhD
Chrisanthy Martin, BEd Deakin
Victoria Newman, BSc Lond.Poly.
Camille Helen Raynes-Greenow, BA
Karyn Margaret Stamp, BA

Graduate Diploma in Public Economic Policy
Damian Michael Dwyer, BEc
Paul Roberts, BEc W.Aust

Graduate Diploma in Public Law
Brian Anthony Crouch, BSc Griffith
Anthony John Hanrahan, CertAcct Canberra CAE
Jeremy Peter Kruse, BA(Hons) MA DipEd Melb.
Shane William Traynor, BA

Graduate Diploma in Public Policy
Heather Alana Austin, GradDipBusMan Monash
Brendan James Brady, BA(SocSci) Curtin
Anthony Garth Carlson, BA NSW
Alan Kenji Johnston, BA Canberra CAE
Stephen Leslie Kendal, BA Syd.
Claire Louise Kimball, BA
Heather Rosalie Martin, BAppSc Canberra
Ralph Joseph Martin, BA
Leanne Elizabeth McDonald, BA(Hons)
Steven George Rose, BA
Lorraine Beryl Slee, BA JamesCook, GradDipLib Canberra CAE
Matthew Francis Taylor, BA Canberra CAE
Catherine Victoria Ann Thomas, BA(AsianStudies)

Graduate Diploma in Resource and Environmental Management
Julian Tyacke Gorman, BSc W.Aust
Rebecca Clare Horridge, BA Melb.,
Christopher Peter Leffers, BA Syd.

David Andrew Paul Simon, BE QUT, MTech Deakin
Anthony John Steeper, BA

Graduate Diploma in Science
Martha Epifania Bernardo, BSc AteneodeManila
Annette Caroline Bertriman, BSc
Michael Roland Brooker, BSc Syd.
Annie Chikumbo, BSc(For) TamilNadu
Matthew John Harris, BSc
Stephanie Rose Martin, LLB Adel.
Matthew James Newhouse, BSc
Loi Ngoc Nguyen, BChE HoChiMinhPoly.
Elizabeth Maree Smith, BPhy Qld
Thai Truyen, BFor HoChiMinhAgFor

Graduate Diploma in Scientific Communication
Christina Maria Bauer, MSc Monash
Dominique Mary Burgess, BSc Griffith
Kaylene Ruth Connell, BSc N’cle(NSW)
Luke Anthony Fletcher, BSc Syd.
Jane Marie Harvey, BSc Griffith
Cathyanne Horvat, BSc NSW, DipEd Macq.
Seiji Heath Humphries, BA BSc Qld
Fiona Elizabeth Joshua, BSc(Hons) PhD Monash
Gabrielle Sarah Kuiper, BSc(Hons)
Stephan Luntz, BA BSc Melb.
Duncan Rosevear McIntyre, BSc
Julie Louise Petering, BSc(Hons) Adel.
Melissa Diane Rumble, BSc(Hons) NSW
Damon Piers Shorter, BSc(Hons)

Graduate Diploma in Southeast Asian Studies
Christopher Jason Talay, BA
Phi Phuong Tran, BA HoChiMinhCityUniv.

Graduate Diploma in Statistics
Marion Lisa McCutcheon, BCom NSW
Kathleen O’Brien, BSc
Robert Traficante, BAppSc Canberra

Graduate Diploma in Strategic Studies
David Graham French, BA(DevStud)
Master of Arts

Dale Chatwin, BA Kuringai CAE, LittB
Amanda Cherie Foran, BA, GradDipPsyc Qld.
Andrew David Ford, BEc Monash,
GradDipEnvEc ScuolaSupEnrMat
Jacinda Ann Harrison, BA(Hons) Otago
Bambang Hudayana, BA GadjahMada
Shunichi Ishihara, BAEd Shizuoka, GradDipArts
Satomi Kawaguchi, BAg Yamaguchi
Toshiaki Koizumi, LLB Tokyo
Vivian Lowe, BA Stanford
Elizabeth Clarice Jane Lydon, BA(Hons) Syd.
Mahirta, BA GadjahMada
Tri Mustikowati Manning, BA GadjahMada
Peter Maurice McCallum, BA DipEd Syd.,
BA UNE
Paul William McRandle, BA(Hons) Washington
Minerva Nasser-Eddine, BA(Hons) LLB Adel.
Angela Maree Naumann, BA(Hons) Qld
Hong Thach Nguyen, BA MoscowStateInstIntRel
Aslam Nur, Strata1 StateInstOfIslamicStudies
Brian Swanton, BA(Hons) Qld
Deborah Jean Thawley, BA
Jeremy Andrew Watson, BA Auck.

Master of Arts (Asian Studies)

Ian Leslie Hodges, BA(Hons)
Deborah Ann Johnson, BE(Hons) Qld
Mariko Nakamura, BA BA(Theol)
AoyamaGakuin
Yukiko Nara, BED HIrosaki
Hiroko Ozaki, BA TokyoUnivForeignStudies
Katherine Dawn Sweet, BA(Hons) Melb.

Master of Business Administration

Enkhbat Badarchyn, Dip MoscowStateInstIntRel

Master of Clinical Psychology

Kate Amanda Barrelle, BComm BSc
Loiuse May Blundell, BSc(Hons)
Clinton Roy Laurence, BHM(Hons) Qld
Tamarisk Tree Walker, BA

Master of Commerce

Lorne Stewart Cummings, BBus Deakin

Master of Development Administration

Juliet Araos, BSc Xavier, DipAgric Philippines,
GradDipDevAdmin
Basnayake Mudiyanelage Uthpala Dayananda,
BA Kelaniyka, GradDipDevAdmin
Robin Andrew Biddulph, BA York
Paul Bisambi, DipPubAdmin
PNGInstPubAdmin, BA PNG,
GradDipDevAdmin
Louise Patricia Bygrave, BA BEc
GradDipDevAdmin
Wen Rong Chen, BA Heilongjiang,
GradDipDevAdmin
Victoria D Corpuz, BA Philippines,
GradDipDevAdmin
Betty Kacelenga, BA Malawi,
GradDipDevAdmin
Balganjav Khuldoj, MEc PhD Lomonosov,
GradDipDevAdmin
George Solingi Lilo, DipMgtStd SouthPacific,
GradDipDevAdmin
Gillian Ruth Mellsop, BA Auck,
GradDipComCouns CanberraCAE
Ambrose Huxley Mzoma, BA Malawi,
GradDipDevAdmin
Jimmy Nanuman Nipo, BA SouthPacific,
GradDipDevAdmin
Robby Odyeny-Ocen, MA Makerere

Master of East Asian Studies

Chalinee Hirano, BA Thammasat,
MA(Communications) Canberra

Master of Economics

Steven Kevin Kennedy, BEc Syd
Andrew Gerard Lancaster, BEc Tas., MEc
Charlie Nhuc Hiang Lay, BEc(Hons) S.Aust
Gordon Douglas Menzies, BEc(Hons) DipEd UNE
Yutaka Murayama, BEc Hitotsubashi, GradDipEc

Master of Economics of Development

Muhammad Akmal, BA MA Punjab,
GradDipEcDev
Tracy Siewkion Chang, BSc GradDipEcDev
Cesario Gonzales Jr, BA Philippines,
GradDipEcDev
Qingbo Guan, BA(Ec) Beijing, GradDipEcDev
Ho Poh Ching, BA BScSci(Hons) Sing.
MD. Jahirul Islam, BA(Hons) MA
BanarasHinhuUniv, GradDipEcDev
Ngoc Thanh Nguyen, BA(Ec) Hanoi, GradDipEcDev
Gonchig Oyungerel, GradDipEcDev
Viengxay Praphasiri, GradDipEcDev
Rahima Tasneem Rahman, BA MBA Dhaka, GradDipEcDev
Sabira Yesmin, BSc(Hons) MSc Jahangirnagar, GradDipEcDev

Master of Environmental Law

Geraldine Elizabeth Badham, BA(Comm) Canberra
Annaliese Jane Caston, BA Canberra
Karen Heather Lamb, BSc(Res&EnvMan)

Master of Environmental Management and Development

Nav Raj Baral, BSc Tribhuvan, AIFC IndianForest College, GradDipEnvManDev
Debra Jayne Callister, BSc(Hons) Monash
Anne Christine Casson, BA(Hons) Syd.
Chazhong Ge, BSc(For) Zhejiang, GradDipEnvManDev
Gilda Rebosura Echavez, BSA XavierUniv., GradDipEnvManDev
Bresilda M Gervacio, BSc(For) Philippines
Marietta P. Guanzon, BSc Philippines, GradDipEnvManDev
Barbara Ann Jones, GradDipTourMan Canberra
Kilyali Kelly Kalit, BEc(Hons) PNG, GradDipEnvManDev
Ganesh Raj Karki, MEc Tribhuvan, GradDipEnvManDev
Henry Boscawen Leveson-Gower, BA(Hons) Brist., GradDipEc
Lynette Elizabeth Liddle, BAppSc (Agric) Adel., GradDipEnvManDev
Eamon John Lindsay, BA(Hons) JamesCook, GradDipEnvManDev
Kefyalew Mekonnen, BSc AddisAbaba, GradDipEnvManDev
Yuko Ogawa, BA Macq., GradDipEnvManDev

Bijaya Raj Paudyal, BSc(For) Tribhuvan, GradDipEnvManDev
Asenaca Vakasakaua Ravuvu, BEd SouthPacific, GradDipEnvManDev
James Albert Roop, BSc(Hons) Guelph
Noel Gordon Ryan, BEc Macq., GradDipEnvManDev
Xiong Tsechalicha, MEc Daghestan, GradDipEnvManDev
Taro Tsubogo, BCom Meiji, GradDipEnvManDev

Master of Forestry

Bindu Kumari Mishra, BSc(Hons) Ranchi, BSc(For) Institutof ForestryPokhara.

Master of International Law

Julie-Anne Maree Atwell, BA(Hons) LLB Qld.
Lisa Barker, BA LLB Qld
Stuart David Bett, BSc LLB Monash
Kevin Howard Bray, BSc W.Aust., BEc PhD
Gabrielle Ruthven Cullen, BCom LLB NSW
Kylie Ann Emery, BA LLB
Jana Jungmannova, BEc Prague
Ohad Katz, BCom LLB NSW
Mark Erhard Teutsch, BSc LLM Syd.

Master of Laws

Anthony John McInerney, BA LLB

Master of Legal Studies

Evan John Mann, BEc Adel.

Master of Legal Studies (Public Law)

Sione Koula Koloi, BA BSc

Master of Letters

Susan Marjorie Dartnall, BEd CanberraCAE
Ian James Frazer, BA
Maki Ishikawa, BA(ModLang) Canberra
Vivienne James, BA
Elizabeth Joy Keen, BA(Hons) Bristol, TCert Lond., GradDipSpEd Mt. GravattCAE
Brendan Patrick Peter Long, BEc
Craig Bernard MacLachlan, BA(Asian Studies)
Virginia Metherell, BA Wittw.
Kathryn Elizabeth Scott, DipArtEd
N'cle(NSW)CAE
Cameron Wray Shackell, BEd Qld.
Brian Anthony Tunks, BA UNE
Haruhiko Watanabe, BA Hitotsubashi
Wong Mei Ching, BA BSocSc Sing.

Master of Public Policy
Darlene Michelle Brooks, BA(Hons) DipEd
UNE
William Robert Henderson, BA MSocSc Qld
Cynthia Joan Kim, BEd(Hons) Syd.
Cornelis Adriaan Reiman, BEd Adel.
William George Stanhope
Elizabeth Ann Toy, BA(Hons) Melb.
Anthony John Webster, BEd

Master of Science
Albert Sleiman Mellick, BAppSc Qld
Xiang Wang, BSc Tongji, MSc
S.ChinaNormalUniv
Shanshan Wu, BMed MMed Nanjing

Master of Statistics
Robert Graham Clark, BSc Qld

Doctor of Philosophy
Mohan Abeyratne, BSc MSc Colombo
Karim Ann-Sofie Ahrling, BSc(Hons)
Tomoko Akami, BA MA Hiroshima, MA Melb.
David Anthony Antelmi, BSc(Hons)
Eriko Aoki, BA MA Tokyo
Ghulam Mohammad Arif, BA Punjab, MA Islamia Univ, MA
Heather Jean Aslin, BSc(Hons) MEnvSt Adel.
Pudji Astuti, Sarjana BandungIT, GradDipSc
Roger Charles Attwater, BSc(Hons) MSc W.Aust.
Randolph Bienvenido Abellera Avila, BSc MA Philippines DipGeothermal Auck.
Kim Badelt, BSc(Hons) Syd.
Kym Nicole Baker, BAppSc(Hons) Qld
John Dwayne Barton BA Harvard, MSc Northwestern
Wayne Andrew Beswick, BCom(Hons) Melb., MA Syd.
Anneke Cecile Blackburn, BSc(Hons) NSW
Gordon Briscoe, BA(Hons), MA

John Robert Bryant , BA (Hons) Canterbury, UK
Alexander Vladimirovich Buryak, Diploma MoscowStateUniv.
Javaan Singh Chahl, BEng N'cle(NSW), GradDipSc
Oliver Chikumbo, BSc(Hons)
Craig John Coates, BSc(Hons)
Vincent Stuart James Craig, BSc(Hons)
David Andrew Crawford, BSc Adel.
Nadia Dammer MSc Komseny
Jiang Danchi, BSc Wuhan, MSc East China Normal
Angela Clayton Davis, BSc Macq., GradDipAppSc CanberraCAE
Gordon John De Brouwer, BCom(Hons) MCom Melb.
Guy Laurence de Bruxelles, BHortSc(Hons) Murdoch
Chunping Ding, BEng MSc ChinaUnivofGeosciences
Sinclair Dinnen, LLB (Hons) Strathclyde, MA Sheffield
Chongmei Dong, BSc MSc Fudan
Julieanne Dougherty, BSc(Hons) UNE
Stephane Franck Eugene Mazevet Dueg, Licence de Physique, Maitrise de Physique, DEA de Physique Bretagne Occidentale
Chona R Echavez, BSc (Agr) Xavier Univ, Philippines, MSc Philippines
Cynthia Jane Mouy Farr, BA WestminsterColl.
Richard William Fitzgerald, BA(Hons) NSW, GradDipStats Canberra, BSc(Hons)
Jillian Maree Fleming, BSc GradDipSc Clayton Frederick Keith Fredericksen, BA MA Auck.
Rayappa Reddy Gali, BSc Osmania, MSc Goa, MSc Sask.
Andrew Daniel Giger, DipZool Zurich
Julie Ann Glover, BSc(Hons)
Frances Marie Gray, BA(Hons) Monash, GradDipEd Canberra, MA
Maureen Judy Edna Hanisch, BSc(Hons)
Kimie Hara, BA Kobe, MA Hawaii
Charles Charbel Harb, BSc(Hons) MSc Stein-Edward Helgeby, BA(Hons) MA
Tan Hark Hoe, BE Melb.
David Greig Humphrey, BSc(Hons) Monash
Vu Quoc Huy, Diploma
Rostov State Univ., Grad Dip EcDev MEcDev
Kim Hyunga, BA Chung-Ang, Dip Ed Melb., MA
Lawrence Denis Emurugat Ikamari, BA (Hons)
MA Nairobi
Wassana Im-Em, MSc Boston Grad Dip Demog
Marcus Jacka, BSc (Hons)
Ari Enso Karjalainen, BSc Adel., Grad Dip Sc
Canberra
Gary Joseph Kelly, BA (Hons) MEc UNE
Ann Elizabeth Kent, BA Harvard MA Salford
Kristine Kay Klugman, BA MA Macq.
Lisa Barbara Law, BA (Hons) W. Ont.
Kathryn Kerry Le Strange, BSc (Hons) NSW
Duck-Young Lee, BA Kookjiae Univ, MInt Affairs
Tsukuba
Mark Leonard, BSc (Hons) Adel.
Zhongyi Li, BSc MSc Shandong
Huang Lin-Ke, MSc
Peter David Looker, BA (Hons) LaT.
Yongxian Luo, BA Guiangxi Teach Univ, MA
Chi Ma, BSc China Univ of Geosciences
Jennifer Anne McMahon, BA RMIT, Dip Ed
Mitchell CAE, Med Melb.
Ann-Marie McManus, BSc MSc National Univ Ireland
John Francis Martin, BSc Grad Dip Adm
Canberra CAE, MA
Roshan Tyrrel Anton Mayadunne, BSc (Hons)
Murdoch
Romulo Emmanuel Mendoza Mital, Jr, BSc
Philippines, Grad Dip Ec MEc
Dmitri Menglet, BSc Moscow State Univ
Gavin Constantine Michael, BSc (Hons) W. Aust.
Brian Robert Stuart Minty, BSc Rhodes
BSc (Hons) Witw., MSc Pretoria
Cara Leah Moore, BSc (Hons) Auck.
Peter Francis Moore, BSc (For) ANU, MFor
Montana
James William Morton, BSc Melb., Grad Dip Sc
Anna Mostovaita MA Moscow State Univ.
Dragan Nestic, BEng MEng Belgrade
Richard David Newcomb, BSc MSc Auck.
Amanda Nourse, MSc Rand Afrikaans
Anthony Charles Oldfield, BSc (Hons) Lanc.,
Grad Dip Ed Manc., MSc Salford
Jacob Bamindele Oni, BSc Ado Ekiti Nigeria, MSc
Ile-Ise Nigeria
Kim Ong-Giger, BA (Hons) Monash, MA
Michael John O’Rourke, BSc (Hons) UNE
Francesco Giovanni Papandrea, BEng, MBA
NSW, Grad Dip Ec
Niti Pawakapan, BA (Hons) Silpakorn,
Grad Dip Arts MA Otago
Dierdre Anne Pearce, BSc (Hons) James Cook
Andrew Gordon Peterson, BA BSc (Hons) Flin.
Dewi Malia Prawiradilaga, BEng Bogor MSc
UNE
Sureeporn Punpuing, BSc Silpakorn MA
Darryl Simon Reed, BSc (Hons)
Katherine Jane Reynolds, BA Grad Dip Psych Qld
Michael Stanley Rolph, BMed (Hons) Tas.
Larbi Sadiki BA Mitchell CAE, MA Dip Ed Syd.
Sergei Yulievich Schreider, MSc Moscow
Asifou Samuel So’O, Dip T Hamilton Coll., BA
BED MA (Hons) Waikato
Andrew Peter Stamp, BEng (Hons) Auck.
Claudine Helen Stirling, BSc (Hons) Vic. Well.
Roe Frances Sybylla, BA (Hons)
Lee Scott Taylor, BA (Hons)
Mandy Thomas, BA (Hons)
Takako Toda, BA (Hons)
Endang Turmudi, MA Flin., Doktorandus
Sunan Kalijaga State Islamic Inst.
Budi Utomo, Medical Degree Indonesia Univ,
MPH Hawaii
Alaelua Asiata Vaalepa Saleimoa Vaai, BA BCA
LLB LLM Vic Univ Well.
Wen-Thuen Wang, BA National Taiwan Univ.
Darren Brett Ward, BEng BAppSc QUT
Tony Warren, BA (Hons) BCom Qld.
Ross Bernard Wilkinson, BPsych (Hons)
James Cook
Dong Yang, BA Zhongshan, MA
Beijing Normal Univ, MA Tor.
Prizewinners

The following prizes have been awarded for achievements in 1996 in The Faculties and the Institute of Advanced Studies.

University Medallists

Jane-Louise Allison*  Art History
Michael Siew Lueng Ashley*  Theoretical Physics
Thomas Garry Bartos*  Law
Katrine Anne Bewley*  Law
Benjamin Caird Buchler #  Physics
Jodie Cunningham  Visual Arts
Matthew Peter Davey*  Botany and Zoology
Elizabeth Nicola Fortune  Botany and Zoology
Stephen John Free*  History
Katharine Elizabeth Fullagar  History
Daniel Peter Groves  Mathematics
Marian Joyce Hill  Russian
Nicholas Lawrence Horne  English
Owen George Jepps#  Theoretical Physics
Alice Patricia Lord  Biochemistry and Molecular Biology
Sarah Jane Lonsdale  Sociology
James Kakare Morauta  Philosophy
Benjamin James O'Loghlin*  Engineering
Gavin Andrew Norman O'Shea  Chemistry
David Ian Osmond*  Theoretical Physics
Lachlan Crombie Redd  Performance, Piano
Sarah Louise Rice  Philosophy
Helen Ruth Roberts#  Law
Amelia Mary Simpson*  Law
Joan Stivala  Ancient History
Lorrae Elise Van Kerkhoff  Human Ecology
Michael Ian Warlters  Economics

Medallists shown * had held National Undergraduate Scholarships and those shown # held National Undergraduate Bursaries for the duration of their courses.

Two Medallists had previously been awarded a University Medal, Ms Bewley for Russian and Ms Simpson for Political Science both for 1994.

Tillyard Prize

The 1996 Tillyard Prize was awarded to Matthew Peter Davey who achieved First Class Honours in Botany and Zoology and who had been awarded the University Medal mid-year 1996.

ACT Baha'i Community Prize in International Law

Rickesh Dodds

Adrien Albert Honours Chemistry Prize

Nigel Thomas Lucas

Allen, Allen & Hemsley International Trade Law Prize

Sonali Adappa

Alliance Française de Canberra Prizes

Julie Catherine Quine  French IA
Nicholas Andrew Macgregor  French IIA
Lynette Ann Hayes  French IIIA
Simone Adele Warwick  French IB
Andrea Claire Humphrey  French IIB

A N Hambly Prize

Jerome Koh

Ann Downer Memorial Prize in Law

John William Asker

Anthony Forge Prize

Jason Mark Alexander Kochel

Anthony Seelaf Memorial Prize in Geology

Alistair Campbell Hack

Applied Probability Trust Prize

Steven Peter Roberts
Archaeology and Anthropology Prizes

**Anthropology I Prize**
Christopher Paul Killick Moran
Myra Eileen Whitney

**D A Casey Prize**
Louise Deborah Amato

**Peter May Prize**
Julie Ann Dibden

**W E H Stenner Prize**
Robyn Louise Milthorpe

Australian Bureau of Statistics Prize
Veronica Rodriguez

Australian Capital Territory Bar Association Prize
Amelia Mary Simpson

Australian Computer Society (Canberra Branch) Prize
Elizabeth Margaret Woods

Australian Finance Conference Prizes
Frank Robert Krile  *Company Finance*

Australian Institute of Agricultural Sciences Prize
Sophie Jane Clayton

Australian Institute of Physics Prize
Lachlan James Murray Coin

Australian Mining and Petroleum Law Association Prize
Nicola Colbran
Miriam Lucy Gani

Australian Psychological Society Prize
Cathy Jane Frazer

Australian Society for Microbiology Prize
Ian James Frew

Australian Society for Parasitology Prize
Lucy Anne Coupland

Australian Society of Certified Practising Accountants Prizes
Marianne Angela Bowd  *Second Year Units*
Fiona Judith Bilow  *Final Year Prize*
Frank Robert Krile  *Final Year Prize*

Australian Society of Exploration Geophysicists (ACT Branch) Prize for Geophysics
Gem Erica Manning

B C Meagher Prize for Commonwealth Constitutional Law
Michael John Vallis Mathieson
Kim Louise Shepley

Bailey Prize for Human Rights
Sarah Louise Beech
Michaela Johanna Money

Baker & McKenzie Prize in Intellectual Property
Janine Diana Lapworth

Basham Prize
Elsa Gilchrist

Beckman Instruments Prize
Ian James Frew

Blackburn Medal for Research in Law
Thomas Garry Bartos

Blake Dawson Waldron Prize
Katrine Anne Bewley
Botany Prize
Elizabeth Jane Oliver

Bryans Prize in Family Law
Jayne Higgisson
Susanna Louise Watt

Butterworths Book Prizes for Law
Sonia Christina Hay Civil Litigation
Katrine Anne Bewley Corporations Law
Shamil Raj Sharma Criminal Law and Procedure
Stephen Malcolm Price Dispute Resolution
Frank Robert Krile Introduction To Income Tax
Yael Cass Law and Medicine
Karen Louise Delph Law in Context
Anthea Elizabeth Roberts Legal System and Process
Michael John Vallis Mathieson Principles of Labour Law
Eddie Simon To Public Companies
Rickesh Dodds Selected Topics in Torts
Michael Agostino Succession Law

Butterworths Prize in Company Accounting
Marianne Angela Bowd

Chris Higgins Prize
Steven Kevin Kennedy
Vladimir Pavlov

Classical Society Prize
Genevieve Mary Davin
Susanna Louise Watt

Clayton Uts Prize in Administrative Law
Joanna Eva Korecki

Clayton Uts Prize in Torts & Contracts
Helen Joan Donovan

Commercial Representatives’ and Agents’ Association of Australia Limited Prize
Marianne Angela Bowd

Commonwealth Attorney-General's Department Prize
Geoff Andrew Edwards

Computer Science Prize
Andrew Wayne Slater
Stephen Nicholas Roderick

Coopers & Lybrand Prize in Accounting
Marianne Angela Bowd

Dante Alighieri Society (Canberra Branch) Prizes
Rachel Elizabeth Moseley Italian I
Laura Roslyn White Italian I
Dean Vuletic Second Year
Antonija Rover Third Year

Daphne Olive Memorial Prize in Legal Theory
Craig Hastings Milner

David Campbell Prize
Angela Maria Cartland

David Johanson Prize for British History
Rebecca Mary Britt

Deacons Graham & James Prize for Commercial Law
Sonali Adappa

E A Lyall Memorial Prize
Catherine Margaret Ryan

Economic Society Prizes
John William Asker Economics II (H)
Michael Ian Warlters Economics IV (H)

Ernst & Young Prizes
Amanda May Frost-Drury Accounting Theory
Constance Hwee Ming Hon Auditing
Freehill, Hollingdale and Page Prize for Commercial Studies
Grant Francis Wilson

Friends of The Library Blackburn Medal in Drama
Louise Ann Victoria Gaunson

Geological Society of Australia Prize
Kurt Einar Worden

George Knowles Memorial Prize
Michael John Vallis Mathieson

Goethe Society Prizes
Dean Vuletic First Year
Brigid Catherine Maher First Year
Julie Catherine Quine Second Year
Celia Bridgewater Third Year
Michael Fredric Barnard Fourth Year

Graduate Diploma Prize in Economics and Public Economic Policy
Brett Damien Graham

Grahame Johnston Prize in Australian Literature
Michelle Joanne Kallmier

H A Jones Medal for Excellence in Engineering Studies
William Vandenburg

Hanna Neumann Prizes for Mathematics
Daniel Peter Groves Mathematics IV (H)
Alan Patrick Mackerras Group C Units

Helen Hughes Prize for Economics of Development
Muhammad Akmal
Qun Shi

Howlett Honours Prize for Geography
Steven John Oliver

Institute of Advanced Studies Prizes for Economic History
Anne Louise Pengilly The Australian Economy
Ross Vernon Hodgkinson Noel Butlin Prize in Australian Economic History
Hannah Ruth Rechter Economic History Later Year Unit at Honours Level
Dorothy Terwel Economic History IV (H) with First Class Honours

J B Were & Son Prize
Michael Ian Warlters

Jacobs Medal for Outstanding Field Studies in Forestry
Alex Flint

Janet Elspeth Crawford Prize
Llorae Elise Van Kerkhoff

Kate North Prize
Marian Joyce Hill

L D Pryor Prize
Anjeli Catherine Nathan

L F Crisp Memorial Prizes in Political Science
Clare Elizabeth Neilsen Political Science I
Jyoti Anne Larke Political Science IV (H)

Lady Isaacs' Prize
Kerin Louise Leonard

Law Society of The Australian Capital Territory Prize for Contracts
Helen Joan Donovan

Leslie Holdsworth Allen Memorial Prize
Nicholas Lawrence Horne
Mallesons Stephen Jaques Prize for Law Studies  
Michael John Vallis Mathieson

Mavis Prater Prize for Women in Mathematics  
Emma Jane Woolaston

Mick Williams Prize in History  
Katharine Elizabeth Fullagar

Permanent Trustee Company Limited Prizes  
Amelia Mary Simpson  
Marianne Angela Bowd  

Price Waterhouse Prize in Accounting  
Heng Loong Chong

Priscilla Fairfield Bok Prize  
Melissa Elizabeth Pyke  
Elizabeth Margaret Woods  
Lisa Gaye Zimitat

Professional Careers Australia Prize for Accounting  
Serena Niap

Quentin Gibson Prize for Philosophy  
James Kakare Morauta

R F Brissenden Prize  
Emma Elizabeth Wood

Rachel Dorph Memorial Prize  
Lyn Joan Kemmis

Reginald De Bray Prize for Linguistics  
Peita Gale Littleton

Robert Jones Prize for The Master of Economics  
Gordon Douglas Menzies

Royal Australian Chemical Institute Prize  
Mark Damian George

Schlich Memorial Trust Prize  
Ronald Gerald Alan Eastment

Shell Company Prizes  
David Cole Appels  
Nigel Chi-Yen Tao  
Arthur Lindsey Gretton

Softlaw Prize in Information Technology Law  
Sandra Kimlin Navalli

State Forests of NSW Prize for Forest Mensuration  
Chris Michael McElhinny

Statistical Society of Australia (Canberra Branch) Prize  
Alexander John Austin

Supreme Court Judges' Prize  
Katrine Bewley

Treasury Prize in Economics III(H)  
Marianne Angela Bowd

W B Clarke Prize in Geology  
Natalie Kositcin

W P Packard Prize for Geography  
Eri Ying-Ri Leong
ANU Public Lecture Series

Sponsored by ANUTECH Pty Ltd
The figure at the end of each entry is the attendance

Single Public Lectures

Professor Kenneth Wilson
*Redesigning Education*
24 January 120

Dr Peter Sutton
*COUNTRY: Aboriginal Boundaries and Land Ownership in Australia*
13 February 200

Professor A Knoll, Harvard University
*Life's First 3 Billion Years*
20 February 130

Drs Eugene and Carolyn Shoemaker
*Comets, Craters and Consequences*
21 February 300

Professor I Plimer
*Evolution and Creationism*
22 February 300

Professor Bruno Buchberger
*Beyond Mathematica: the Next Generation of Mathematical Software Systems*
26 February 49

Professor John Powelson
*Historical Causes of Uneven World Development*
26 March 20

Sir John Houghton CBE FRS
*Global Warming: the Science, the Impacts and the Politics*
28 March 250

Professor Mark Cohen
*Health and the Rise of Civilisation*
29 March 76

Mr Thomas Pickering
*Russia and the US in the Middle East and Central Asia*
3 April 135

Dr Michael Bird and Dr Chris Ballard
*The Crossing of Papua New Guinea in 1926 and 1996*
30 April 200

The Hon. Justice Paul Finn
*The Courts and the Vulnerable*
14 May 350

Sir Leon Brittan
*Robert Schuman's Europe: Ideal and Practice*
3 June 120

Professor Nelson W Polsby
*Perspectives on the US Presidential Election*
11 June 58

Professor Arthur Stockwin
*Reforming Japanese Politics: Highway of Change or Road to Nowhere?*
26 June 54

Professor Michael Taussig
*Sacrilege and Defacement*
4 July 97

Dr David Crawford
*Will Our Children See the Stars?*
16 July 43

Professor John Polanyi FRS
*Photochemistry in the Adsorbed State; using Light as a Scalpel and A Crystal as Operating Table*
25 July 53

Professor John Polanyi FRS
*How Discoveries are Made and Why it Matters*
25 July 168

The Hon Sir Anthony Mason
*A New Perspective on the Separation of Powers*
25 July 205

Professor Marshall Sahlins
*Sentimental Pessimism and Ethnographic Experience: Why Culture is not a Disappearing Object*
29 July 320
Professor T J Pempel  
*Japanese Politics in a Changing World*  
29 July 24

Professor Guy Peters  
*Contradictions in Public Service Reform: Reflections on Current Practice*  
31 July 54

Emeritus Professor Bernard Smith  
*Reframing Mimesis, or, Are We Living Through the Last Days of Postmodernism?*  
1 August 380

The Hon Sir Anthony Mason  
*The Internationalisation of Domestic Law*  
2 August 150

The Hon Sir Anthony Mason  
*Rights Values and Legal Institutions*  
13 August 78

Professor Yoneo Ishii  
*Buddhism in Contemporary Southeast Asia*  
13 August 66

Professor Paul Gatenby  
*Autoimmune Rheumatic Disease and Silicone Implants—Where are we in 1996?*  
16 August 48

Professor Barry Hooker  
*Convergence and Divergence: Western Laws and Eastern Realities*  
20 August 76

Professor Jorg Siekmann  
*Distributed Artificial Intelligence and Emergent Behaviour*  
21 August 56

Professor Marvin Minsky  
*Computers, Emotions and Common Sense*  
26 August 380

Professor Joan Kerr  
*Art and Death in Australia*  
13 September 103

Professor Bill Jenner  
*China and the Irrelevance of Freedom*  
19 September 133

Professor Tony McMichael  
*Sustainable Health and the Global Environment*  
24 September 246

Associate Professor Pam Peters  
*Frontiers of Language*  
10 October 47

Emeritus Professor Derek Freeman  
*T.H. Huxley, Evolution by Natural Selection and Buddhism*  
23 October 121

Professor Sir David Williams  
*The Judiciary and Judicial Reform*  
31 October 78

Dr Craig Reynolds  
*Asian Monarchies Today: The Thai King at 50 Years*  
14 November 43

Dr David McKay  
*Life on Mars?—The Evidence*  
21 November 182

**Inauguration Lectures:**

There were none held in 1996

**Named Lectures**

**AJ Birch Lecture**

Professor Jean-Marie Lehn  
*Supramolecular Chemistry: Concepts and Perspectives*  
1 May 220

**The 56th Morrison Lecture**

Dr Geremie Barm  
*The Garden of Perfect Brightness: A Life in Ruins*  
10 December

**The Basham Lecture**

Dr Milton Osborne  
*A Region Transformed: Southeast Asia over 25 Years*  
15 October 109
The D A Brown Lecture
Dr Neil Williams
Society’s Dependency on Geoscience
15 October 86

The Finlay Crisp Lecture
Senator Cheryl Kernot
The Australian Democrats Face the Future
9 October 137

The Jack Beale Lecture
Mr Cary Reynolds
Water, Sustainability, The Community, The Future
31 October 28

The Jaeger Hales Lecture
Dr Susan Kieffer
Earth Space and Medical Sciences: Common Grounds in Prediction Needs
29 August 78

The John Curtin Memorial Lecture
Not held in 1966

The K R Narayanan Oration
Professor Jagdish Bhagwati
India: Retrospect and Prospects
23 September 212

The Mulvaney Lecture
Not held in 1996

The Russell Mathews Lecture
Mr Ken Baxter
Australian Federalism: Its Passage Beyond the Millennium
21 November 54

The Yencken Lecture
Professor Yash Ghai
Asian Values
30 October 99

The H C (Nugget) Coombs Lecture
Mr Michael Dodson
Assimilation and Self-determination
5 September 108

Total attendance over the year: 6,809 averaging 136 per lecture
## Principal Grants and Donations

The University is indebted to those organisations and individuals who make grants and donations for use in research and other activities. Such funds play an important role in the ongoing activities of the University. The following list includes grants and donations reported to Council during 1996.

### Donor

<table>
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<tr>
<th>Donor</th>
<th>Purpose</th>
<th>Amount</th>
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<td>Aboriginal and Torres Strait Islander Commission</td>
<td>For additional funding for Centre for Aboriginal Economic Policy Research</td>
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<td>For Fundamental Oxalate Research and Dating of Rock Art</td>
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<td>For Yirrkala Film and Video Project Documentation</td>
<td>10,251</td>
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<td>For Computer Based Image Analysis of Rock Art</td>
<td>15,300</td>
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<td>For Native Title Act Story</td>
<td>37,645</td>
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<td>Academy of Social Sciences in Australia</td>
<td>For Consultancy: Strategic Review of the Psychology and its Research</td>
<td>5,000</td>
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<td>Ansett International ltd</td>
<td>For 1996 APA(I): Airline Industry and Trade Policy Initiatives for Australia in the Asia Pacific</td>
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<td>ACT Department of Business, The Arts, Sport and Tourism</td>
<td>For ACT Cultural Development Funding Program: Big Band Participation in Monterey Jazz Festival USA</td>
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<td>American Chemical Society</td>
<td>For Dynamic Membranes Formed from End-Grafted Polymers</td>
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<td>Andrew W Mellon Foundation, The</td>
<td>For additional funding for Postdoctoral Program for US based Researchers in Population Field at the ANU</td>
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<td>AOFR Pty Ltd</td>
<td>For 1996 APA(I): Grating-Assisted and Post Fused Taper Fibres Couplers</td>
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<td>Arthritis Foundation of Australia</td>
<td>For Grant-in-aid: The Role of an Intracellular Protein, Invariant Chain in T Cell Development and RA</td>
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<td>Australia and Pacific Science Foundation</td>
<td>For Norfolk Island Prehistory Project</td>
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<td>Australia-India Council</td>
<td>For 1996 Narayanan Oration to be given by Professor Jagdish Bhagwati</td>
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<td>Australian Academy of Science</td>
<td>For Support for two Postgraduate Students’ project: A Dynamic Waterbalance Methodology for Australia at Regional Scales: A Database and Relationship for the Southern Murray-Darling Basin</td>
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<td>For Conference Support Indonesia Update</td>
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<td>For International Seminars Support Scheme: Deregulation of Foreign Exchange and Capital Transactions and Implications for Macroeconomic Management</td>
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<td>For AID INDIA, Small Activities Scheme: Second Year Support for the Distance Education Program</td>
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<td>For Papua New Guinea Economic Research Project</td>
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<td>For Australian Journal of Agricultural Resource Economics</td>
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<td>For Computer Work Relating to the VIDE Virus Database</td>
<td>32,626</td>
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<td>For Selection of Rice Cultivars for Performance under Elevated Atmospheric CO2 in SE China</td>
<td>149,543</td>
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<td>For Consultancy: Provision of Economic Advice and Research into Competition and Related Issues</td>
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<td>For Postgraduate Study Award: Gold and Copper Metallogensis of the Lake Cowal Project (NSW)</td>
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<td>For The Rabaul Earthquake Location and Caldera Structure (RELACS)</td>
<td>542,000</td>
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<td>For Identification of Indonesian Trepang Processing Camps in Western Australia</td>
<td>24,356</td>
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<td>For Historical Identification and Assessment of Main Themes Associated with Post-World War II CBD Development in Australia</td>
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<td>For Consultancy: Forest Age and National Estate Values Report</td>
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<td>For Consultancy: Wild Rivers Identification Phase II</td>
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<td>For Consultancy: Usage of and Demand for Environmental Statistics in Australia</td>
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<td>For additional funding for Ethnographic Film-Making in Australia</td>
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<td>For Research Grant: Yolngu Women: Gender and Identity</td>
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<td>For Review of Aboriginal Councils and Associations Act 1976</td>
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<td>For Spectroscopic Vector Tomography of Plasma Flow in the H-1 Heliac</td>
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<td>For Australian Institute of Health Law and Ethics Operations Account</td>
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<td>For Data Compilation and Database Development for Refugia Modelling in the Central Highlands, Victoria</td>
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<td>For an Assessment of the Concept of Refugia and Review of Methods to Model Past and Present Refugia in Forested Environments in Australia</td>
<td>41,000</td>
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For Modelling the Spatial Distribution of Forest Structure and Biota using Topo-scale Direct Environmental Predictors

For Taxonomic Revision of Lichen Genus Lecanora

For Revision of the Non-Gall-Forming Eriococcids

For 1996/1997—Australian National Beamline Facility (ANBF), Photon Factory, Japan Grant—Notification of Beamtime and Dates

For Beamtime, Australian National Beamline Facility

For Superdeformed Spectroscopy with the GAMMASPHERE/ Microball—to Visit the Lawrence Berkley Laboratory

Access to Major Research Facilities Program

For Visit to the NTT at the European Southern Observatory, La Silla, Chile

For Visit to the ANBF Facility, Japan

For Travel Gant to visit the Orsay Synchrotron Radiation Facility, France

For Visit to the Rutherford Appleton Laboratory

For Visits to the Argonne National Laboratory USA

For Visit to the Canada-France-Hawaii Telescope, Mauna Kea, Hawaii, USA

Australian Telecommunications and Electronics Research Board

For Research Grant-in-aid: Waveguide Formation in Fused Silica by High-Energy Ion Implantation

For Soft Output Multiuser Detector for Wireless CDMA Systems

For Research Grant-in-aid: Formation of Nonlinear Optical Films of Carbon Nanotubes for use in All-Optical Switching for Photonic Applications

Australian Vice Chancellors Committee

For Electronic Publishing Initiative Library Project

For Network News and Announcement Service

Australian Wool Research and Promotion Organisation

For Molecular Biology of the Sex Determination Mechanism in the Australian Sheep Blowfly, Lucilia Cuprina

Barrett Burston Malting Co Pty Ltd

For DNA Profiling Project

BHP Co Ltd

For 1996 APA(I): Metals Processing in Australia and Trade Policy Initiatives in East Asia

Blackwell Publishers

For editing of Journal of Political Theory Philosophy

Bureau of Immigration and Population Research

For Consultancy: Analysis of Data from the Longitudinal Study of Immigrants to Australia: Migrant Health and Use of Services
<table>
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<tr>
<th>Organization</th>
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<td>Canberra Hospital</td>
<td>For Liver Dysfunction and Impaired Hepatic Drug Metabolism in Cirrhosis (In conjunction with the University of Sydney)</td>
<td>35,000</td>
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<td>Central Queensland University</td>
<td>For Employment of an Australian Fusion Group Funded Technical Position</td>
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<td>Clive &amp; Vera Ramaciotti Foundations</td>
<td>For the Role and Mechanisms of Action of the GTP-Binding Protein Gi in Cellular Activation by Insulin</td>
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<td>For Lineage Commitment in Granulocyte-Macrophage Colony-Stimulating Factor Responsive Myeloid Progenitor Cells</td>
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<td>For Platypus Envenomation: Identification of Components Responsible for Its Algesic, Hypotensive and Oedematergic Effects</td>
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<td>For Transport of Nutrients and Ions Across the Membrane of the Intracellular Malaria Parasite, Plasmodium Falciparum</td>
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<td>For Equipment Grant: Central Nervous System Growth in Adults</td>
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<td>For Optic Nerve Lesions: Effect on Retinal Ganglion Cell Function and Axonal Conduction: Equipment Grant</td>
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<td>For Grant-in-aid for Equipment: Single-Channel Properties of the Slow-After Hyperpolarization Current in the Hippocampus</td>
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<td>For Distribution and Function of Ion Channels Regulating Calcium Release from SR of Striated Mu</td>
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<td>Comitato Italiana Assistenza</td>
<td>For 'Commedia dell' Arte in the Teaching of Italian'—LIFT</td>
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<td>Canberra Inc</td>
<td>For Public Health Education and Research Program (PHERP): Cochrane Collaborative Review Group on Acute Respiratory Infections</td>
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<td>Commonwealth Department of Health and Family Services</td>
<td>For additional funding for 1997, PHERP and National Health and Medical Research Council: Cochrane Collaborative Review Group on Acute Respiratory Infections</td>
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<td>For Research and Development (RADGAC) Small Grant: Evaluating the Benefits of Mammographic Screening in Rural NSW Using Revealed Preference and Survey Based Methods</td>
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<td>For Carers' Project</td>
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<td>For Consultancy: Development of National Outbreak Control Protocols</td>
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<td>For additional funding for Commonwealth AIDS Research Postgraduate Scholarship: AIDS and Heterosexual Men</td>
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<td>Commonwealth Scientific and Industrial Research Organisation</td>
<td>For Research Training in Rehabilitation and Revegetation of Wastelands</td>
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<td>For Stipend for PhD Student</td>
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<td>Cotton Research and Development Corporation</td>
<td>For Postgraduate Research Fellowship: Molecular Biology of Gossypol Biosynthesis in Cotton</td>
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<td>CRC for Molecular Engineering</td>
<td>For Pacific Dunlop Student Research Support Scholarship</td>
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<td>CRC for Water Quality and Treatment</td>
<td>For Salary Support for Dr L Pilotto</td>
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<td>CRC Weed Management Systems</td>
<td>For Scholarship Support and Maintenance for PhD Project: Identity of Introduced Thistles</td>
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<td>For Suplementary Scholarship</td>
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<td>Dairy Research and Development Corporation</td>
<td>For Cultural Impacts on the Bonding Process Between Firms of Different Countries Entering into Strategic Alliance with China</td>
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<td>Department of Defence</td>
<td>For Defence Signals Directorate Consultancy Agreement</td>
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<td>For Biography of Sir Frederick Shedden</td>
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<td>For additional funding and support for Defence Fellowships, MA Scholarships and Graduate Program</td>
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<td>Department of Employment, Education, Training and Youth Affairs</td>
<td>For Third National Summer School for Secondary Science Teachers</td>
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<td>For Managing Universities for Equity and Diversity</td>
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<td>For Update of the Database of Australia-Thailand University Links</td>
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<td>For Australian Research Council Small Grants</td>
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<td>For Travel and Living Costs for Oleg Tyan’s Participation in the Managing Business in Asia MBA program</td>
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<td>For Evaluation of ARC Small Grants Scheme</td>
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<td>For ARC Special Research Centre—Centre for Cross Cultural Research</td>
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<td>For Administrative Support of the Committee for University Teaching and Staff Development</td>
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<td>National Priority Reserve Fund</td>
<td>For the Purchase of Publications and Publishing Services, Grant Administration and Market Research Studies</td>
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Australian Research Council Large Grants

For Reflective Remote Sensing over Eucalypt Forests: Identification of Rare and Endangered Species Habitat 168,000

For Australian Election Study Survey 8,000

Postdoctoral Research Fellowships

For 1996 Postdoctoral Research Fellowship 164,349

For 1996 ARC Postdoctoral Research Fellowship 159,164

For The Role of Mitochondrial Respiration in Ameliorating the Stress Associated with Cold Temperatures and Bright Light 169,530

For Textiles and Women's Identities: Cultural Transformation in Vanuatu 159,165

For Non-Linear Behaviour of a Two-Level Atom Interacting with Radiation Field 159,165

For Women, Reproduction and the State: an Ethnography of the Implementation of Family Planning Programs in North-East Thailand 159,165

For Melting and Phase Relations of the Earth’s Mantle at Depths of 120-300 km: Implications for the Formation of Peridotitic Komatiites 164,349

For Classification Problems in Complex Analysis and CR-Geometry 310,820

For Organometallic Materials for Optical Technology 159,165

For the Place of Southern Regionalism in Vietnamese Politics from the 1830s to the 1850s 169,530

For the Scattering Behaviour of Quantum Particle Systems 169,530

For Souvenirs of Aboriginality: the Trade Between Aborigines and Tourists 159,165

For a Study of Novel-Doped InGaAs/InGaAlAs Electron-Transfer Structures for High Performance Electro-Optic Waveguide Modulator and Switch used in Modern Optical Fibre Communication Operating at a Laser Wavelength of 1.55 μm 159,165

For Identifying Options for the Conservation of Biodiversity in Changing Landscapes 169,530

For Guiding Light with Light: Self-Routing Light-Induced Wave Guides in Passive and Active Devices 159,165

For Controlling Classical Noise in Quantum Optics 159,165

Australian Research Council International Research Fellowships

For Dr G Kaufmann 51,055

For Dr C Funk 61,923
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<td>For Applications of Three-Dimensional Radiative Transfer to Problems in Astrophysics</td>
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<td>Structure &amp; Function of NnaB Protein, the Bacterial Replicative Helicase</td>
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<td>Senior Research Fellowship</td>
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<td><em>Queen Elizabeth II Fellowships</em></td>
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<td>For Properties of Extremal Surfaces and Related Partial Differential Equations</td>
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<td>For Pulsed Laser Deposition of Thin Polymer Films for Photonic Applications</td>
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<td>For Structural, Mechanical and Transport Properties of Disordered Materials</td>
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<td><em>Research Infrastructure (Equipment and Facilities) Program</em></td>
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<td>For the Development of a National Facility for Research in Australian Music</td>
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<td><em>Targeted Institutional Links Program</em></td>
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<td>For Collaborative Research and Development Program of Novel Polymer Composite Materials</td>
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<td><em>University Mobility in Asia and the Pacific</em></td>
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<td>For Trial UMAP Programs with China and Vietnam</td>
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<td><em>Evaluations and Investigations Program</em></td>
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<td>For The Qualifications of Academic Staff in Australian Higher Education Institutions</td>
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<td>For Development and Application of Methods for Assessing the Effects of Fire and Climate Change on Flora and Fauna Refugia in the Central Highlands of Victoria</td>
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North Flinders Exploration

For Scholarship for Anthropological Studies—Tanami Region

20,000

Oxford Molecular Limited

For Ion Channels as Pharmacological Targets

372,060

Pacific Basin Economic Council

For Pacific Trade and Development (PAFTAD) Conference series

37,665

Rhone-Poulenc Agrochimie

For Development Program of a Nematode Identification Kit using Plant Sciences Centre Technology

105,000

Rockefeller Foundation

For Effects of Breastfeeding on Fertility in Rural Northern India

10,600

For Collaborative Study of the Onset of Fertility Control in a Backward Area of Bangladesh

78,200

For Vulnerability to an AIDS Epidemic in South Asia: Bangladesh

42,250

Rural Industries Research & Development Corporation

For Establishment of Genetic and Biodiversity Resources of Eucalyptus Polybractea

19,238

For National Symposium on Research Development into Organic Agriculture

42,591

For Community Groups and Government Policy in Resource Management: Innovation and Evaluation of Extension Practices

38,827

For Interim Report on Research and Development in Organic Agriculture in Australia

4,900

For 1995/96 Study of Flowering and Hybridisation in Blue Mallee

6,249

Siemens

For Research into Theory and Experiment for a Bend Induced Transceiver

10,000

Silicon Technologies Australia Limited

For Development of Electric Window Technology—Cell and Testing Development

150,000

Starch Australasia

For DNA Profiling of Inbred and Hybrid Maize Lines

40,000

State Forests of New South Wales

For Comparison and Verification of Basal Area Growth Models for Pinus Radiata Plantations in New South Wales

15,000

For Support of Honours Student Research in Native Forests of North Coast New South Wales

3,000

Sun Microsystems Laboratories

For Scripting the WWW with TCL

12,555

TECO

For International Conference Funding for the 1996 Taiwan Update Conference

14,990

Telstra Corporation Limited

For Social Policy Research: Implications of Growth in Codified Knowledge

90,000

Tokyo University of Pharmacy and Life Science

For Human Frontiers Science Program: Support for Equipment, Consumables, Services and Travel

40,000
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Freedom of Information Act 1982 Statement

This statement has been prepared in compliance with Section 8 of the Freedom of Information Act 1982 and is correct to 31 December 1995. More detailed information is available in two public documents entitled—University Legislation and Administrative Guide.

1. Functions of the University’s decision-making Council and Boards are as follows:

Council

In accordance with section 18 of the Australian National University Act 1991 the Council is the governing authority of the University. Section 9 of the Act provides that, subject to this Act and the Statutes, the Council has the entire control and management of the University and is to act in all matters concerning the University in such manner as appears to be best calculated to promote the interests of the University.

The membership of the Council is set out in section 10 of the Act. It is chaired by the Chancellor and comprises 22 members which include elected officers of the University and other ex-officio members, representatives of both Houses of Parliament, persons appointed by the Governor-General, persons appointed by the Chief Minister of the ACT, representatives of various groups of the University’s academic staff, representatives of the general staff, graduate and undergraduate students as well as convocation, and one other person at the discretion of Council.

Committees of the Council

Council is assisted by the following committees:

- The Standing Committee considers any matter relating to the University referred to it by the Council or, if Council is not sitting, transacts the business of the University except for matters solely within the competence of the Council.
- The Finance Committee makes recommendations and decisions concerning financial and accounting matters of the University.
- Other continuing committees of Council are—Appeals Committee, Audit Committee, Buildings and Grounds Committee, Committee Against Sexual Harassment, Committee on Child Care, Committee on Conditions and Appointment of the Vice-Chancellor and Deputy Vice-Chancellors, Emergency Appointment (Vice-Chancellor) Committee, Equal Employment Opportunity Committee, General Services Fee Committee, Honorary Degrees Committee, University Fellowships Committee and Public Affairs Committee.

Board of the Institute of Advanced Studies

The function of the Board is to advise the Council on any matter relating to education, learning, research and other academic work of the University; it makes recommendations on the establishment of additional research schools in the Institute; the abolition, combination or subdivision of those research schools or departments of the research schools; the promotion of persons to academic offices in the Institute; the enrolment of students for courses of study or research in the Institute; the requirements of courses of study in the Institute; the granting of degrees, diplomas, certificates, honours and scholarships; and on academic matters pertaining to the Institute.

The Board of the Institute of Advanced Studies comprises a chairperson appointed by the Council from among the professors in the Institute, the Vice-Chancellor, the Deputy Vice-Chancellors, the head of each research school, four heads of departments in each research school chosen by the respective faculty board, one member chosen by the faculty of each research school, the Chairperson and one other member of the Board of The Faculties, two members elected by and from the graduate students of the Institute and such other persons as the Council appoints. The Institute of Advanced Studies comprises the John Curtin School of Medical Research and the Research
Schools of Biological Sciences, Chemistry, Earth Sciences, Pacific Studies, Physical Sciences and Engineering, and Social Sciences. It incorporates the Mount Stromlo and Siding Spring Observatories, the National Centre for Epidemiology and Population Health and a number of mainly multidisciplinary academic centres.

The Board is assisted by the following committees:

- Committee on General Policy
- Promotions Committee
- Strategic Developments Committee.

**Board of The Faculties**

The function of the Board is to make recommendations to the Council on the academic development of the University; the establishment, abolition, combination and subdivision of faculties and of departments and other bodies within The Faculties (other than the Institute of the Arts); the promotion of persons to academic positions in The Faculties; the assigning of any staff (academic and non-academic) to a department or faculty or to another body within The Faculties; the admission of students to the University and to courses and parts of courses; examinations; scholarships for courses of study and research; the granting of degrees, diplomas, certificates and honours; the discipline of students; and other academic and related matters.

The Board of The Faculties comprises a chairperson appointed by the Council from among the professors in The Faculties, the Vice-Chancellor, the Deputy Vice-Chancellor, the Dean of each faculty within The Faculties, the Dean of Students, the President of The Australian National University Students' Association, the Chairman and one other member of the Board of the Institute of Advanced Studies, heads of departments and divisions, heads of centres in the Faculty of Asian Studies, three professors of law, other representatives of academic staff and students and such other persons as the Council appoints from time to time.

The Faculties offer undergraduate and graduate courses in arts, Asian studies, economics and commerce, engineering and information technology, law, and science.

The Board is assisted by the following committees:

- Steering Committee
- Resources Committee
- The Faculties Research Grants Committee
- Academic Progress Appeals Committee
- Admissions Committee
- Committee on Consultation
- Faculties Computing Committee
- electoral committees for academic posts
- Postgraduate Scholarships Committee
- Promotions Committee
- Standing Committee of Tenure Committee
- Prospective Students Liaison Committee
- Undergraduate Awards Committee

**Joint Committees of the Academic Boards**

The two academic boards have the following three major joint committees:

- Graduate Degrees Committee
- Joint Committee on Postgraduate Awards
- Board of Management, Centre for Continuing Education

2. **The functions of the University’s statutory officers are as follows:**

**Chancellor**

The Chancellor presides at all meetings of Council and on all ceremonial occasions when available to do so. The Chancellor signs the Annual Report of the University to the Governor-General.

**Pro-Chancellor**

The Pro-Chancellor chairs meetings of the Standing Committee and, in the absence of the Chancellor, presides at meetings of the Council and on ceremonial occasions.

**Vice-Chancellor**

The Vice-Chancellor is the Chief Executive Officer of the University and has such powers and duties
as the Statutes prescribe or, subject to the Statutes as the Council determines. The Vice-Chancellor's role is to control and manage the affairs and concerns of the University including the control and management of real and personal property vested in or acquired by the University. The Vice-Chancellor has, and may exercise, such powers as are necessary or desirable to discharge those duties. The Vice-Chancellor also represents and acts for the University in its relations with the Commonwealth Government and other bodies.

**Deputy Vice-Chancellors**

The two Deputy Vice-Chancellors generally assist in all aspects of the Vice-Chancellor's work, but particularly advise on the academic affairs of the University and deputise for the Vice-Chancellor in that officer's absence. One Deputy Vice-Chancellor is also Director of the Institute of Advanced Studies.

**Pro Vice-Chancellor (Finance and Development)**

The Pro Vice-Chancellor (Finance and Development) is responsible to the Vice-Chancellor for the management of the University's financial and physical resource operations.

**Pro Vice-Chancellor (Planning and Administration)**

The Pro Vice-Chancellor (Planning and Administration) advises the Vice-Chancellor on the effective administration of the University, on matters of concern to students and staff and on the University's relationship with the community.

### 3. Powers of the University

The University's powers are based on the *Australian National University Act 1991*. Under this legislation the University has made statutes, rules and orders.

**Statutes**

Council has made 15 statutes under section 27(1) which are valid at present—

- Board of The Faculties Statute
- Board of the Institute of Advanced Studies Statute
- Chancellorship Statute
- Convocation Statute
- Courses and Degrees Statute
- Default Certificate Statute
- Deputy Vice-Chancellorship Statute
- Discipline Statute
- Endowment Statute
- Faculties and Faculty Boards (Institute of Advanced Studies) Statute
- Faculties (The Faculties) Statute
- Fees Statute
- Halls of Residence Statute
- Information Technology Services Statute
- Institute of the Arts Statute
- Interpretation Statute
- Library Statute
- Liquor (Affiliated Colleges) Statute
- Liquor (Halls of Residence and University Union) Statute
- Liquor (University Arts Centre) Statute
- Liquor (University House) Statute
- Membership of the Council Statute
- Parking and Traffic Statute
- Pro-Chancellorship Statute
- Residential Colleges (Affiliation) Statute
- Staff Superannuation Statute
- Superannuation Funds (Investment and Management) Statute
- University House Statute
- University Seal Statute
- Vice-Chancellorship Statute

Institute of the Arts Statutes preserved under Section 57—

- Academic Progress Statute
- Admission Statute
- Affiliation (ANU) Statute
- Courses and Awards Statute
- Elected Members of Council Statute
- Fees Statute
- Granting of Advanced Standing Statute
- Interpretation Statute
- Library Statute
- Scholarship Statute
Student Conduct Statute  
Traffic Statute  

Rules  
Rules have been made under the above statutes relating to admissions, examinations, fees, discipline, courses and degrees, courses of study, student academic progress, University House, halls of residence, affiliated colleges, membership of Council, the Library, and faculties and faculty boards.

Orders  
Orders have been made under the above statutes relating to bachelor degrees, professional training in law, research schools, University House discipline, the Library, liquor, and Fee paying overseas students.

4. Documents or publications produced by the University  
Documents available for purchase by the public or otherwise accessible in terms of the Freedom of Information Act 1982 are—

Council statutes, rules and orders  
Annual Report of the ANU to Parliament  
Annual reports of schools, faculties, centres and units to the Council  
Faculty Handbook  
Rules (a companion volume to the former)  
Graduate School Handbook  
Institute of the Arts Annual Report  
Institute of the Arts Handbook  
Institute of the Arts Prospectus  
Undergraduate Prospectus  
Statistical Handbook  
Administrative Guide  
Purchasing Policy and Procedures  
University Mail  
Accounting Manual  
Radiation Safety Handbook  
Ionizing Radiation Safety  
Occupational Health and Safety Unit Information Manual  

Documents which are customarily made available to the public otherwise than under the Freedom of Information Act, free of charge, upon request are—ANU Reporter, National Graduate, Staff News, periodic listing of visitors by their university and area of interest. Information pamphlets and booklets on courses and academic requirements in various disciplines, leaflets on academic appointments in the Institute of Advanced Studies and in The Faculties, Library Guides, Directory of services for students, and Student accommodation booklet.

Internal working documents include internal user manuals, Financial Authorisations, Personnel and Payroll (General), Stores and Purchasing Systems Manuals and other policy and procedural documents.

Facilities for access  
A reading room is available at University Public Affairs office. Limited facilities for the perusal of documents applicable to individual areas are also available at the Personnel Office and/or Student Administration.

FOI procedures and initial contact points  
Applications for access to documents under the Freedom of Information Act 1982 should be lodged in writing with the University Legal Office. Applications should include the application fee or a request for its remission, an address to which notices may be sent and, to facilitate contact with the applicant, a telephone number effective during normal business hours. Properly lodged applications for access to documents will be acknowledged and a decision notified to the applicant as quickly as possible.

Inquiries regarding freedom of information and access to documents may be made at—

University Legal Office  
Chancellery Building  
East Road  
Tel: (06) 279 8489
Auditor-General’s Report
26 May 1997

Professor The Honourable P E Baume AO
Chancellor
Australian National University
PO Box 4
CANBERRA ACT 0200

Dear Professor Baume

AUDIT REPORT ON FINANCIAL STATEMENTS

Please find enclosed the signed financial statements of the University for the year ended 31 December 1996, together with a copy of the audit report thereon pursuant to subsection 49(2) of the Australian National University Act 1991.

The audit report on the financial statements has been forwarded to the Minister for Employment, Education, Training and Youth Affairs together with a copy of the statements.

Yours sincerely

D.S. Lennie
Executive Director
INDEPENDENT AUDIT REPORT

To the Minister for Employment, Education, Training and Youth Affairs

Scope

I have audited the financial statements of the Australian National University for the year ended 31 December 1996. They comprise:

• Certificate of the Vice-Chancellor and the Chair, Finance Committee

• Statement of Revenues and Expenses of the University and of the economic entity

• Statement of Financial Position of the University and of the economic entity

• Statement of Cash Flows of the University and of the economic entity, and

• Notes to and forming part of the financial statements.

The members of the Council of the University are responsible for the preparation and presentation of the financial statements and the information contained therein. I have conducted an independent audit of the financial statements in order to express an opinion on them to the Minister for Employment, Education, Training and Youth Affairs and the Chairman of the Council of the University.

The audit has been conducted in accordance with Australian National Audit Office Auditing Standards, which incorporate Australian Auditing Standards, to provide reasonable assurance as to whether the financial statements are free of material misstatement. Audit procedures included examination, on a test basis, of evidence supporting the amounts and other disclosures in the financial statements, and the evaluation of accounting policies and significant accounting estimates. These procedures have been undertaken to form an opinion whether, in all material respects, the financial statements are presented fairly in accordance with Australian Accounting Concepts and Standards, other mandatory professional reporting requirements and statutory reporting requirements so as to present a view which is consistent with my understanding of the University’s financial position, the results of its operations and its cash flows.

The audit opinion expressed in this report has been formed on the above basis.
Qualifications

Investments

As stated in Note 1 under Basis of Accounting, the University departed from the requirements of the Australian Accounting Standards on Profit and Loss or other Operating Statements (AAS 1) and Accounting for Revaluation of Non-current Assets (AAS10), in respect of the funds invested in the Commonwealth Superannuation Account to provide for the employer funded part of pensions paid by the Australian Government for University employees.

The University accounts as revenue the changes in market value of assets of the Commonwealth Superannuation Account between the beginning and end of each period, irrespective of whether the gains (or losses) are realised. This treatment is the same as provided for under the Australian Accounting Standard on Financial Reporting By Superannuation Plans (AAS 25). However the Account is not a superannuation plan in terms of the definition in AAS 25. The University believes that the Standards AAS 1 and AAS 10 are not appropriate for the superannuation funds. The University maintains this Account, on conditions agreed by the Treasurer of the Commonwealth, to meet the employer’s liability to the Commonwealth Superannuation Scheme.

The accounting treatment adopted by the University is contrary to the requirements of AAS 10 for revaluation of non-current assets in that the increment has not been taken to an investment revaluation reserve for unrealised gains. The treatment is also contrary to AAS 1 in that the financial result has been determined after accounting for revenue from unrealised gains in the Statement of Revenues and Expenses.

The Guidelines for Financial Statements of Commonwealth Authorities (the Guidelines) require the University to comply with the accounting standards. The Guidelines also provide that where the University believes that financial statements so prepared do not show fairly the financial transactions and the state of affairs of the University, it should supply additional information and explanations so as to show fairly those matters. As stated by the University in Note 1, the effect of the departures from the standards is to increase the operating revenue for the year and understate reserves by $18,799,000.

Land

The University has stated also under Note 1 that land at Acton campus and Mount Stromlo has not been brought to account. The University acknowledges that it controls and benefits from the use of the land. These sites are provided free of charge by lease in perpetuity and on restricted use for University activities imposed by the Australian National University Act 1991 and the site lease purpose clause. As a result, the University believes that the value of the land cannot be reliably measured and so does not meet the asset recognition criteria of Statement of Accounting Concepts 4: Definition and Recognition of the Elements of Financial Statements (SAC 4).
The Guidelines require the University to comply with the Statements of Accounting Concepts, however the University has departed from the requirements of SAC 4 in not bringing the Acton campus and Mount Stromlo site to account. These sites do meet the recognition criteria for assets within SAC 4 as they can be reliably measured and therefore should be accounted for as non-current assets within the Statement of Financial Position. The treatment is also contrary to AAS 1 in that the financial result has been determined without bringing to account the land as an extraordinary item within the Statement of Revenues and Expenses. The University has indicated that it is unable to quantify the effect of this departure on non-current assets and accumulated surpluses and, as a result, I am unable to form an opinion on the impact of this departure.

Qualified Audit Opinion

In accordance with sub-section 49(2) of the Australian National University Act 1991, I now report that the statements are in agreement with the accounts and records of the University and the economic entity, and in my opinion, except for the effects on the financial statements of the matters referred to in the qualification section:

- the statements are based on proper accounts and records
- the statements show fairly in accordance with Statements of Accounting Concepts and applicable Accounting Standards and other mandatory professional reporting requirements the financial transactions and cash flows for the year ended 31 December 1996 and the state of affairs of the University and the economic entity as at that date
- the receipt, expenditure and investment of moneys, and the acquisition and disposal of assets, by the University during the year have been in accordance with the Australian National University Act 1991, and
- the statements are in accordance with the Guidelines for Financial Statements of Commonwealth Authorities as varied by the delegate for the Minister for Finance as stated in Note 1.

Australian National Audit Office

D S Lennie
Executive Director

For the Auditor-General

Canberra
16 May 1997
Financial Statements
THE AUSTRALIAN NATIONAL UNIVERSITY

CONSOLIDATED FINANCIAL STATEMENTS FOR YEAR ENDED
31 DECEMBER 1996

CERTIFICATE

In the opinion of the Council the accounts for the University and the consolidated accounts for the Economic Entity are drawn up to show fairly the:

operating results for the reporting period ended 31 December 1996;

financial position as at 31 December 1996; and

cash flows during the reporting period ended 31 December 1996.

The Financial Statements have been prepared in accordance with the Guidelines for Financial Statements of Public Authorities and Commercial Activities approved by the Minister for Finance, except as indicated in Note 1.2, and the Instructions for the Preparation of Annual Financial Reports by Australian Higher Education Institutions issued by the Department of Employment, Education, Training and Youth Affairs.

The representation letter to the Australian National Audit Office on the 1996 Financial Statements in accordance with the letter of representation (Paper 968/1997) attached

P E BAUME
Chancellor

R D TERRELL
Vice-Chancellor
THE AUSTRALIAN NATIONAL UNIVERSITY

STATEMENT OF REVENUES AND EXPENSES FOR THE YEAR ENDED 31 DECEMBER 1996

<table>
<thead>
<tr>
<th>CONSOLIDATED</th>
<th>UNIVERSITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notes</td>
<td>$'000</td>
</tr>
</tbody>
</table>

**OPERATING REVENUES (before abnormal items)**

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commonwealth Government grants</td>
<td>256,439</td>
<td>248,711</td>
<td>256,439</td>
<td>248,711</td>
</tr>
<tr>
<td>Higher Education Contribution Scheme</td>
<td>16,914</td>
<td>17,344</td>
<td>16,914</td>
<td>17,344</td>
</tr>
<tr>
<td>State Government grants</td>
<td>1,823</td>
<td>1,988</td>
<td>1,823</td>
<td>1,988</td>
</tr>
<tr>
<td>Other research grants and contracts</td>
<td>31,244</td>
<td>30,217</td>
<td>14,669</td>
<td>16,754</td>
</tr>
<tr>
<td>Scholarships and prizes</td>
<td>73</td>
<td>102</td>
<td>73</td>
<td>102</td>
</tr>
<tr>
<td>Donations and bequests</td>
<td>1,019</td>
<td>1,607</td>
<td>1,626</td>
<td>2,492</td>
</tr>
<tr>
<td>Investment income</td>
<td>63,875</td>
<td>75,324</td>
<td>50,903</td>
<td>63,630</td>
</tr>
<tr>
<td>Fees and charges</td>
<td>20,386</td>
<td>18,462</td>
<td>15,150</td>
<td>14,190</td>
</tr>
<tr>
<td>Other</td>
<td>34,818</td>
<td>35,349</td>
<td>33,119</td>
<td>30,489</td>
</tr>
<tr>
<td><strong>Total operating revenues (before abnormal items)</strong></td>
<td>426,591</td>
<td>429,104</td>
<td>390,716</td>
<td>395,700</td>
</tr>
</tbody>
</table>

**OPERATING EXPENSES (before abnormal items)**

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic activities</td>
<td>256,291</td>
<td>246,617</td>
<td>243,217</td>
<td>234,693</td>
</tr>
<tr>
<td>Libraries</td>
<td>15,867</td>
<td>16,347</td>
<td>15,880</td>
<td>16,363</td>
</tr>
<tr>
<td>Academic support services</td>
<td>18,294</td>
<td>18,095</td>
<td>9,423</td>
<td>8,773</td>
</tr>
<tr>
<td>Student services</td>
<td>26,884</td>
<td>25,220</td>
<td>27,056</td>
<td>25,307</td>
</tr>
<tr>
<td>Public services</td>
<td>4,557</td>
<td>3,553</td>
<td>4,573</td>
<td>3,560</td>
</tr>
<tr>
<td>Buildings and grounds</td>
<td>18,025</td>
<td>17,684</td>
<td>18,033</td>
<td>17,685</td>
</tr>
<tr>
<td>Administration and other general institutional services</td>
<td>49,753</td>
<td>46,242</td>
<td>36,032</td>
<td>34,864</td>
</tr>
<tr>
<td>Other expenses</td>
<td>37,702</td>
<td>61,479</td>
<td>37,517</td>
<td>61,342</td>
</tr>
<tr>
<td><strong>Total operating expenses (before abnormal items)</strong></td>
<td>427,373</td>
<td>435,237</td>
<td>391,731</td>
<td>402,587</td>
</tr>
</tbody>
</table>

**Deficit of operating revenues over expenses (before abnormal items)**

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(782)</td>
<td>(6,133)</td>
<td>(1,015)</td>
<td>(6,887)</td>
<td></td>
</tr>
</tbody>
</table>

**Abnormal items**

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>(287)</td>
<td>(73)</td>
<td>11,572</td>
<td>11,572</td>
</tr>
</tbody>
</table>

**Deficit of operating revenues over expenses**

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,503</td>
<td>(6,206)</td>
<td>10,557</td>
<td>(6,887)</td>
<td></td>
</tr>
</tbody>
</table>

**Gain on extraordinary items**

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>18</td>
<td>8,288</td>
<td>8,288</td>
<td>8,288</td>
<td>8,288</td>
</tr>
</tbody>
</table>

**Surplus/ (Deficit)**

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10,503</td>
<td>2,082</td>
<td>10,557</td>
<td>1,401</td>
<td></td>
</tr>
</tbody>
</table>

**EQUITY INTERESTS**

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
<th>1996 ($'000)</th>
<th>1995 ($'000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accumulated surpluses at beginning of reporting period</td>
<td>242,381</td>
<td>247,210</td>
<td>239,179</td>
<td>244,560</td>
</tr>
<tr>
<td>Adjustments to accumulated surpluses at beginning of reporting period</td>
<td>1.7</td>
<td>(7,436)</td>
<td>(7,417)</td>
<td></td>
</tr>
<tr>
<td>2.1</td>
<td>2,797</td>
<td>2,797</td>
<td>2,797</td>
<td>2,797</td>
</tr>
<tr>
<td>Aggregate of amounts transferred from reserves</td>
<td>4,371</td>
<td>2,960</td>
<td>4,138</td>
<td>2,613</td>
</tr>
<tr>
<td>Total available for appropriation</td>
<td>260,052</td>
<td>244,816</td>
<td>256,671</td>
<td>241,157</td>
</tr>
<tr>
<td>Aggregate of amounts transferred to reserves</td>
<td>4,545</td>
<td>2,435</td>
<td>4,426</td>
<td>1,978</td>
</tr>
<tr>
<td>Accumulated surpluses at end of reporting period</td>
<td>$255,507</td>
<td>$242,381</td>
<td>$252,245</td>
<td>$239,179</td>
</tr>
</tbody>
</table>
STATEMENT OF FINANCIAL POSITION AS AT 31 DECEMBER 1996

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash</td>
<td>20</td>
<td>74,951</td>
<td>95,876</td>
<td>73,880</td>
</tr>
<tr>
<td>Receivables</td>
<td>21</td>
<td>17,072</td>
<td>21,261</td>
<td>14,782</td>
</tr>
<tr>
<td>Investments</td>
<td>22</td>
<td>11,907</td>
<td>23,649</td>
<td>11,907</td>
</tr>
<tr>
<td>Inventories</td>
<td>23</td>
<td>3,346</td>
<td>2,231</td>
<td>1,636</td>
</tr>
<tr>
<td>Other</td>
<td>24</td>
<td>176</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Current Assets</strong></td>
<td><strong>107,452</strong></td>
<td><strong>143,017</strong></td>
<td><strong>102,205</strong></td>
<td><strong>136,105</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Receivables</td>
<td>21</td>
<td>594</td>
<td>908</td>
<td>594</td>
</tr>
<tr>
<td>Investments</td>
<td>22</td>
<td>410,707</td>
<td>350,028</td>
<td>412,690</td>
</tr>
<tr>
<td>Property, plant and equipment</td>
<td>25</td>
<td>748,552</td>
<td>752,751</td>
<td>741,010</td>
</tr>
<tr>
<td>Other</td>
<td>24</td>
<td>125,444</td>
<td>112,065</td>
<td></td>
</tr>
<tr>
<td><strong>Total Non-Current Assets</strong></td>
<td><strong>1,285,297</strong></td>
<td><strong>1,215,752</strong></td>
<td><strong>1,154,294</strong></td>
<td><strong>1,097,700</strong></td>
</tr>
</tbody>
</table>

**Total Assets**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Creditors</td>
<td>26</td>
<td>53,804</td>
<td>54,752</td>
<td>51,108</td>
</tr>
<tr>
<td>Provisions</td>
<td>27</td>
<td>23,496</td>
<td>22,187</td>
<td>22,915</td>
</tr>
<tr>
<td>Other</td>
<td>28</td>
<td>2,105</td>
<td>4,051</td>
<td></td>
</tr>
<tr>
<td>Borrowings</td>
<td>29</td>
<td>8,000</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Current Liabilities</strong></td>
<td><strong>87,405</strong></td>
<td><strong>80,990</strong></td>
<td><strong>82,023</strong></td>
<td><strong>74,051</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Borrowings</td>
<td>29</td>
<td>12,000</td>
<td></td>
<td>12,000</td>
</tr>
<tr>
<td>Provisions</td>
<td>27</td>
<td>406,742</td>
<td>392,023</td>
<td>406,673</td>
</tr>
<tr>
<td>Other</td>
<td>28</td>
<td>125,299</td>
<td>112,405</td>
<td></td>
</tr>
<tr>
<td><strong>Total Non-Current Liabilities</strong></td>
<td><strong>532,041</strong></td>
<td><strong>516,428</strong></td>
<td><strong>406,673</strong></td>
<td><strong>403,956</strong></td>
</tr>
</tbody>
</table>

**Total Liabilities**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>$773,303</td>
<td>$761,351</td>
<td>$767,803</td>
<td>$755,798</td>
<td></td>
</tr>
</tbody>
</table>

**Equity**

| Reserves | 19   | 517,796 | 518,970         | 515,558 | 516,619 |
| Accumulated surpluses | 255,507 | 242,381 | 252,245         | 239,179 |
| **Total Equity** | **$773,303** | **$761,351** | **$767,803** | **$755,798** |
# Financial Statements

## THE AUSTRALIAN NATIONAL UNIVERSITY

### STATEMENT OF CASH FLOWS FOR YEAR ENDED 31 DECEMBER 1996

<table>
<thead>
<tr>
<th>Notes</th>
<th>Consolidated</th>
<th></th>
<th>University</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1996 $'000</td>
<td>1995 $'000</td>
<td>1996 $'000</td>
<td>1995 $'000</td>
</tr>
<tr>
<td><strong>CASH FLOWS FROM OPERATING ACTIVITIES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inflows</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Higher Education Contribution Scheme:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student payments</td>
<td>2,674</td>
<td>2,501</td>
<td>2,674</td>
<td>2,501</td>
</tr>
<tr>
<td>Higher Education Trust Fund</td>
<td>13,174</td>
<td>13,594</td>
<td>13,174</td>
<td>13,694</td>
</tr>
<tr>
<td>Research grants and other contracts</td>
<td>28,427</td>
<td>28,366</td>
<td>14,523</td>
<td>15,010</td>
</tr>
<tr>
<td>Interest and other investment earnings</td>
<td>40,135</td>
<td>36,378</td>
<td>26,958</td>
<td>24,436</td>
</tr>
<tr>
<td>Dividends received</td>
<td>4,417</td>
<td>5,545</td>
<td>4,417</td>
<td>5,545</td>
</tr>
<tr>
<td>Other receipts</td>
<td>62,446</td>
<td>59,997</td>
<td>56,056</td>
<td>50,970</td>
</tr>
<tr>
<td><strong>Outflows</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Payments to employees</td>
<td>(224,780)</td>
<td>(217,896)</td>
<td>(220,648)</td>
<td>(214,076)</td>
</tr>
<tr>
<td>Direct investment expenses</td>
<td>(1,848)</td>
<td>(3,235)</td>
<td>(1,848)</td>
<td>(3,235)</td>
</tr>
<tr>
<td>Payments to suppliers</td>
<td>(126,947)</td>
<td>(122,694)</td>
<td>(107,556)</td>
<td>(105,558)</td>
</tr>
<tr>
<td><strong>Cash Flows from Government</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commonwealth Government grants pursuant to HEFA</td>
<td>219,286</td>
<td>208,995</td>
<td>219,286</td>
<td>208,995</td>
</tr>
<tr>
<td>Other Commonwealth Government grants</td>
<td>37,173</td>
<td>37,719</td>
<td>37,173</td>
<td>37,719</td>
</tr>
<tr>
<td>State Government Grants</td>
<td>1,614</td>
<td>1,989</td>
<td>1,614</td>
<td>1,989</td>
</tr>
<tr>
<td>Refund of unspent research grants</td>
<td>(136)</td>
<td>(805)</td>
<td>(136)</td>
<td>(805)</td>
</tr>
<tr>
<td><strong>NET CASH PROVIDED BY OPERATING ACTIVITIES</strong></td>
<td>55,635</td>
<td>50,554</td>
<td>45,887</td>
<td>37,185</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CASH FLOWS FROM INVESTING ACTIVITIES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inflows</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Proceeds from sales of property, plant and equipment</td>
<td>1,804</td>
<td>2,041</td>
<td>1,623</td>
<td>1,906</td>
</tr>
<tr>
<td>Loan repayments</td>
<td>311</td>
<td>501</td>
<td>311</td>
<td>501</td>
</tr>
<tr>
<td>Proceeds from sale and maturity of investments</td>
<td>85,923</td>
<td>80,188</td>
<td>85,794</td>
<td>80,188</td>
</tr>
<tr>
<td><strong>Outflows</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acquisition of property, plant and equipment</td>
<td>(33,858)</td>
<td>(30,484)</td>
<td>(33,622)</td>
<td>(29,319)</td>
</tr>
<tr>
<td>Acquisition of investments</td>
<td>(126,172)</td>
<td>(79,887)</td>
<td>(113,248)</td>
<td>(68,269)</td>
</tr>
<tr>
<td><strong>NET CASH USED BY INVESTING ACTIVITIES</strong></td>
<td>(71,992)</td>
<td>(27,641)</td>
<td>(59,142)</td>
<td>(14,993)</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>CASH FLOWS FROM FINANCING ACTIVITIES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Inflows</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transfer of residual surplus of Supplementary Super Fund</td>
<td>8288</td>
<td>8288</td>
<td>8288</td>
<td>8288</td>
</tr>
<tr>
<td><strong>Outflows</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loan repayment to bank</td>
<td>(4,000)</td>
<td>(4,000)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interest on borrowings</td>
<td>(568)</td>
<td>(1,086)</td>
<td>(568)</td>
<td>(1,086)</td>
</tr>
<tr>
<td><strong>NET CASH PROVIDED BY FINANCING ACTIVITIES</strong></td>
<td>(4,568)</td>
<td>7,202</td>
<td>(4,568)</td>
<td>7,202</td>
</tr>
<tr>
<td>30</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>NET INCREASE OR DECREASE IN CASH HELD</strong></td>
<td>20</td>
<td>30,115</td>
<td>(17,823)</td>
<td>29,394</td>
</tr>
<tr>
<td>Cash at beginning of reporting period</td>
<td>95,876</td>
<td>65,761</td>
<td>91,703</td>
<td>62,309</td>
</tr>
<tr>
<td><strong>CASH AT END OF REPORTING PERIOD</strong></td>
<td>20</td>
<td>$74,951</td>
<td>$73,880</td>
<td>$91,703</td>
</tr>
</tbody>
</table>

---

**Notes:**
- **5** Increase in net current assets.
- **20** Increase in cash.
1. SIGNIFICANT ACCOUNTING POLICIES

1.1 Basis of Accounting

The financial report is a general purpose financial report which has been prepared in accordance with applicable Australian Accounting Standards, unless otherwise indicated. The financial report has been prepared in accordance with the historical cost convention, except for some assets which are reported at valuation as indicated in note 1.6.

The financial report has been prepared in accordance with the requirements of the Guidelines for Financial Statements of Commonwealth Authorities (the Guidelines) approved by the Minister for Finance, except as indicated in note 1.2, and the Instructions for the Preparation of Annual Financial Reports by Australian Higher Education Institutions (the Instructions) issued by the Department of Employment, Education, Training and Youth Affairs.

The financial report is presented on an economic entity basis. The statements include consolidated reporting for The Australian National University and its wholly and beneficially owned subsidiary company ANUTECH Pty Ltd incorporated in the Australian Capital Territory.

The University records as revenue the changes in market values of assets of the Commonwealth Superannuation Account between the beginning and the end of each reporting period, irrespective of whether the gains (or losses) are realised. The effect of disclosing unrealised gains and losses in revenue rather than in an Unrealised Gains Reserve is to increase the operating revenue for the year by $18,799,000. This treatment of unrealised gains and losses represents a departure from the requirements of Australian Accounting Standards on Profit and Loss Statements (AAS1) and Accounting for the Revaluation of Non-Current Assets (AAS10).

These departures from the Australian Accounting Standards (AAS1 and AAS10) have been made because, in the opinion of the University, the standards are not appropriate for the Commonwealth Superannuation Account. The University maintains this Account, on conditions agreed by the Treasurer of the Commonwealth, to meet the employer's liability to the Commonwealth Superannuation Scheme. Accordingly, the University has adopted a market value basis for the investments held by the Account and has followed the disclosure requirements of the Australian Accounting Standard on Financial Reporting by Superannuation Plans (AAS25) for investment revenue as if it were a superannuation plan. The University considers that its accounting policy accurately discloses the financial performance and position of the Commonwealth Superannuation Account.

1.2 Income in Advance

The University records as income in advance any monies received in December 1996 pursuant to the Higher Education Funding Act 1988 (HEFA) that relates to operating expenditure to be incurred in 1997. This treatment recognises that the University has an obligation to the Commonwealth Government to use these monies for teaching and research purposes in 1997. The figure of $53,804,000 in creditors (see note 26) includes $17,301,000 of 1997 HEFA funding in advance.

Pursuant to clause 8 of the Guidelines, the delegate of the Minister for Finance has varied the form of The Australian National University financial statements for the financial year ending 31 December 1996 so that:

the University is exempt from recognising revenues in respect to grants received in the year previous to the year to which they relate and that such grants be recognised as income in advance (see note 26).

1.3 Cash Flows

Cash for the purposes of the Statement of Cash Flows, includes cash on hand, deposits at call with banks and money market investments readily convertible to cash.
1. SIGNIFICANT ACCOUNTING POLICIES continued

1.4 Investments

Funds are invested using guidelines approved by the Council of the University in the following categories:

- Bank accepted bills
- Convertible notes
- Corporate bonds
- Debentures
- Government and semi-government stocks and bonds
- Managed investment funds
- Negotiable certificates of deposit
- Overseas managed investment funds
- Promissory notes
- Properties
- Shares and share options
- Short term money market
- Stapled securities
- Transferable certificates of deposit

1.5 Inventories

Inventories held for sale are valued at the lower of cost or net realisable value. Costs are assigned to inventories using last purchase cost including costs incurred in bringing each product to its present location and condition. Consumables in store are valued at weighted average unit cost.

1.6 Property, Plant and Equipment

1.6.1 Depreciation and Amortisation

Depreciation and amortisation are calculated on a straight line basis on all property, plant and equipment other than freehold land and works of art. Rates are calculated to allocate the cost or value of the assets against revenue over the useful life of the assets.

1.6.2 Valuation of Assets

Assets are stated at accumulated historical cost except for campus buildings, properties donated to the University, investments, land and dwellings held on behalf of the Housing Operation and non-electronic musical instruments. The valuation of non-electronic musical instruments at replacement cost was undertaken by Institute of the Arts officers, who are considered to be experts in this field, as at 8 February 1988. Non electronic musical instruments acquired after that date are valued at cost. A revaluation will be undertaken in 1997.

Academic and administrative information systems developed internally have not been valued as the University is unable to measure reliably their development cost.

The land at Acton campus and Mount Stromlo has not been brought to account. The University acknowledges that it controls and benefits from the use of the land. These sites are provided free of charge by lease in perpetuity and on restricted use for University activities imposed by the ANU Act 1991 and the site lease purpose clause. As a result, the University believes that the value of the land cannot be reliably measured and so does not meet the asset recognition criteria of Statement of Accounting Concepts 4.

All land and buildings gifted to the University are assessed by independent qualified valuers and revalued in the University's books of account. The last independent valuation was performed in 1993 by Egan, Wilkinson and Swinbourne, registered valuers. These assets will be revalued in 1997.
1. SIGNIFICANT ACCOUNTING POLICIES continued

1.6.2 Valuation of Assets (cont)
Campus buildings were valued by the University at current reproduction cost on 30 June 1994 using building price indices for the ACT region. The revaluation increment was credited directly to the asset revaluation reserve. Campus buildings completed subsequent to the valuation are disclosed at cost. These assets will be revalued in 1997.

During 1996, land and dwellings held on behalf of the Housing Operation were valued independently at current market prices by McCann & Associates, registered valuers. All valuations are estimates of the amounts for which the assets could be exchanged between a knowledgeable willing buyer and a knowledgeable willing seller in an arm's length transaction at the valuation date. These assets are revalued every three years.

Investment assets of the Commonwealth Superannuation Account are stated at market value. Market value in relation to investments has been determined as:

Land and buildings - all valuations are estimates of the amounts for which the assets could be exchanged between a knowledgeable willing buyer and a knowledgeable willing seller in an arm's length transaction at the valuation date. The most recent independent valuations of land and buildings were performed in 1996 by the Australian Valuation Office;

Shares in public companies, stapled securities and convertible notes - the official market quotation price as listed by the Australian Stock Exchange at the close of business on 31 December 1996;

Government, semi-government and corporate bonds, transferable certificates of deposit and Capital Indexed Government Bonds - valuation provided by Treasury manager based on rate sheets supplied by SBC Warburg Australia Ltd; and

Managed investment funds and Overseas managed investment funds - valuation supplied by the fund management groups.

1.7 Employee Entitlements

In 1995, the University changed its accounting treatment to provide for long service leave in accordance with the Australian Accounting Standard AAS30. The long service leave liability for employees with seven years of service or greater as at 31 December 1996 is $30,229,000. The adoption of AAS30 requires additional disclosure for the probable future liability arising from current employees with less than 7 years of service. It also requires the inclusion of on-costs relating to long service leave payments. This additional disclosure increases the long service leave liability by $2,190,000.

As a result of a change in the accounting treatment of long service leave liability, an adjustment was made to the balance of the liability as at 1 January 1995 and also against the Accumulated Surpluses at Beginning of 1995. Following a re-assessment of probable future payments and adoption of Department of Finance Guidance Release, the long services leave liability has been revised and the subsequent adjustment has been recognised as an abnormal item.

1.8 Deferred Research and Development Costs

Research and development costs at ANUTECH are expensed as incurred except where future benefits are expected, beyond any reasonable doubt, to exceed those costs. Where research and development costs are deferred such costs are amortised over future periods on a basis related to expected future benefits. Unamortised costs are reviewed at each balance date to determine the amount that is no longer recoverable and any amount so identified is written off.
2.1 COMMONWEALTH GOVERNMENT GRANTS

Grants pursuant to the *Higher Education Funding Act 1988*, excluding HECS:

<table>
<thead>
<tr>
<th>Category</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating purposes excluding HECS</td>
<td>201,783</td>
<td>197,413</td>
</tr>
<tr>
<td>Special research assistance:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Large research grants</td>
<td>3,941</td>
<td>3,582</td>
</tr>
<tr>
<td>Small research grants</td>
<td>1,040</td>
<td>912</td>
</tr>
<tr>
<td>Collaborative research grants</td>
<td>90</td>
<td>137</td>
</tr>
<tr>
<td>Research infrastructure grants</td>
<td>2,410</td>
<td>944</td>
</tr>
<tr>
<td>Research fellowships</td>
<td>4,391</td>
<td>4,226</td>
</tr>
<tr>
<td>International research fellowships</td>
<td>327</td>
<td>152</td>
</tr>
<tr>
<td>Australian Postgraduate awards</td>
<td>4,120</td>
<td>3,890</td>
</tr>
<tr>
<td>Australian Postgraduate awards (Industry)</td>
<td>295</td>
<td>232</td>
</tr>
<tr>
<td>Overseas postgraduate research scholarships</td>
<td>1,135</td>
<td>1,110</td>
</tr>
<tr>
<td>Special overseas postgraduate fund</td>
<td></td>
<td>34</td>
</tr>
<tr>
<td>Sub-total pursuant to the <em>Higher Education Funding Act 1988</em></td>
<td>$219,532</td>
<td>$212,632</td>
</tr>
</tbody>
</table>

Other Commonwealth Government Grants:

<table>
<thead>
<tr>
<th>Category</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human Services and Health</td>
<td>22,438</td>
<td>22,690</td>
</tr>
<tr>
<td>Industry, Science and Technology</td>
<td>8,467</td>
<td>6,537</td>
</tr>
<tr>
<td>Prime Minister and Cabinet</td>
<td>658</td>
<td>2,171</td>
</tr>
<tr>
<td>Foreign Affairs and Trade</td>
<td>2,120</td>
<td>1,909</td>
</tr>
<tr>
<td>Primary Industries and Energy</td>
<td>1,184</td>
<td>1,078</td>
</tr>
<tr>
<td>Environment, Sports and Territories</td>
<td>689</td>
<td>520</td>
</tr>
<tr>
<td>Defence</td>
<td>469</td>
<td>405</td>
</tr>
<tr>
<td>Employment, Education, Training and Youth Affairs</td>
<td>412</td>
<td>306</td>
</tr>
<tr>
<td>Housing and Regional Development</td>
<td>139</td>
<td>214</td>
</tr>
<tr>
<td>Industrial Relations</td>
<td>58</td>
<td>23</td>
</tr>
<tr>
<td>Transport</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>259</td>
<td>226</td>
</tr>
</tbody>
</table>

**TOTAL COMMONWEALTH GOVERNMENT GRANTS**

|                                              | $256,439 | $248,711 |

The information provided in this note is only relevant to the University and so consolidated figures are not provided.

In 1996, the Instructions were amended to disclose the Grants pursuant to the *Higher Education Funding Act 1988* as the amounts received in the reporting period plus advance payments received in the previous period less advance payments received in respect of the next period. This differs from the requirements of 1995, where the amounts expended in the reporting period were disclosed as Grants. The change in this disclosure requirement has resulted in an adjustment of $2,797,000 to the Accumulated Surpluses at the beginning of the reporting period. The 1995 comparative figures have not been changed to reflect the new disclosure requirements.
2.2 AMOUNTS RECEIVED PURSUANT TO THE HIGHER EDUCATION FUNDING ACT 1988 EXCLUDING HECS AND AMOUNTS EXPENDED

<table>
<thead>
<tr>
<th>Operating Purposes excluding HECS</th>
<th>University</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount received in previous period:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>advance payment received in previous period</td>
<td>16,430</td>
<td>16,033</td>
<td></td>
</tr>
<tr>
<td>carry-over from previous period</td>
<td>(771)</td>
<td>2,854</td>
<td></td>
</tr>
<tr>
<td>sub-total amount received in previous period</td>
<td>15,659</td>
<td>18,887</td>
<td></td>
</tr>
<tr>
<td>Amount received in the reporting period</td>
<td>201,264</td>
<td>194,185</td>
<td></td>
</tr>
<tr>
<td>Amount attributable to future period:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>advance payment received in respect of the next period</td>
<td>15,911</td>
<td>16,430</td>
<td></td>
</tr>
<tr>
<td>under-expenditure in reporting period</td>
<td>3,447</td>
<td>(771)</td>
<td></td>
</tr>
<tr>
<td>sub-total amount attributable to future period</td>
<td>19,358</td>
<td>15,659</td>
<td></td>
</tr>
<tr>
<td>Amount expended in the reporting period</td>
<td>$197,655</td>
<td>$197,413</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Large Research Grants</th>
<th>University</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount received in previous period:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>advance payment received in previous period</td>
<td>300</td>
<td>138</td>
<td></td>
</tr>
<tr>
<td>carry-over from previous period</td>
<td>778</td>
<td>770</td>
<td></td>
</tr>
<tr>
<td>sub-total amount received in previous period</td>
<td>1,078</td>
<td>908</td>
<td></td>
</tr>
<tr>
<td>Amount received in the reporting period</td>
<td>3,852</td>
<td>3,752</td>
<td></td>
</tr>
<tr>
<td>Amount attributable to future period:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>advance payment received in respect of the next period</td>
<td>211</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>under-expenditure in reporting period</td>
<td>1,153</td>
<td>778</td>
<td></td>
</tr>
<tr>
<td>sub-total amount attributable to future period</td>
<td>1,364</td>
<td>1,078</td>
<td></td>
</tr>
<tr>
<td>Amount expended in the reporting period</td>
<td>$3,566</td>
<td>$3,582</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Small Research Grants</th>
<th>University</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount received in previous period:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>advance payment received in previous period</td>
<td>393</td>
<td>82</td>
<td></td>
</tr>
<tr>
<td>carry-over from previous period</td>
<td>393</td>
<td>255</td>
<td></td>
</tr>
<tr>
<td>sub-total amount received in previous period</td>
<td>393</td>
<td>337</td>
<td></td>
</tr>
<tr>
<td>Amount received in the reporting period</td>
<td>1,040</td>
<td>968</td>
<td></td>
</tr>
<tr>
<td>Amount attributable to future period:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>advance payment received in respect of the next period</td>
<td>305</td>
<td>393</td>
<td></td>
</tr>
<tr>
<td>under-expenditure in reporting period</td>
<td>305</td>
<td>393</td>
<td></td>
</tr>
<tr>
<td>sub-total amount attributable to future period</td>
<td>305</td>
<td>393</td>
<td></td>
</tr>
<tr>
<td>Amount expended in the reporting period</td>
<td>$1,128</td>
<td>$912</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Collaborative Research Grants</th>
<th>University</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amount received in previous period:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>advance payment received in previous period</td>
<td>137</td>
<td>137</td>
<td></td>
</tr>
<tr>
<td>carry-over from previous period</td>
<td>137</td>
<td>137</td>
<td></td>
</tr>
<tr>
<td>sub-total amount received in previous period</td>
<td>137</td>
<td>137</td>
<td></td>
</tr>
<tr>
<td>Amount received in the reporting period</td>
<td>90</td>
<td>90</td>
<td></td>
</tr>
<tr>
<td>Amount attributable to future period:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>advance payment received in respect of the next period</td>
<td>40</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>under-expenditure in reporting period</td>
<td>40</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>sub-total amount attributable to future period</td>
<td>40</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Amount expended in the reporting period</td>
<td>$50</td>
<td>$137</td>
<td></td>
</tr>
</tbody>
</table>

The information provided in this note is only relevant to the University and so consolidated figures are not provided.
## RESEARCH INFRASTRUCTURE GRANTS

*Amount received in previous period:*
- advance payment received in previous period: 42, 68
- carry-over from previous period: 2,179, 2,263
- sub-total amount received in previous period: 2,221, 2,331

*Amount received in the reporting period:*
- 2,650, 792

*Amount attributable to future period:*
- advance payment received in respect of the next period: 282
- under-expenditure in reporting period: 69, 2,179
- sub-total amount attributable to future period: 351, 2,179

*Amount expended in the reporting period:*
- $4,520, $944

## SPECIAL RESEARCH CENTRES

*Amount received in previous period:*
- advance payment received in previous period
- carry-over from previous period
- sub-total amount received in previous period

*Amount attributable to future period:*
- advance payment received in respect of the next period: 66
- under-expenditure in reporting period: (1)
- sub-total amount attributable to future period: 65

*Amount expended in the reporting period:*
- $1

## RESEARCH FELLOWSHIPS

*Amount received in previous period:*
- advance payment received in previous period: 335, 317
- carry-over from previous period: 194, 156
- sub-total amount received in previous period: 529, 473

*Amount received in the reporting period:*
- 4,395, 4,282

*Amount attributable to future period:*
- advance payment received in respect of the next period: 339, 335
- under-expenditure in reporting period: 100, 194
- sub-total amount attributable to future period: 439, 529

*Amount expended in the reporting period:*
- $4,485, $4,226

## INTERNATIONAL RESEARCH FELLOWSHIPS

*Amount received in previous period:*
- advance payment received in previous period: 106
- carry-over from previous period: 22, 45
- sub-total amount received in previous period: 128, 45

*Amount received in the reporting period:*
- 255, 235

*Amount attributable to future period:*
- advance payment received in respect of the next period: 34, 106
- under-expenditure in reporting period: 106, 22
- sub-total amount attributable to future period: 140, 128

*Amount expended in the reporting period:*
- $243, $152

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### AUSTRALIAN POSTGRADUATE AWARDS

**Amount received in previous period:**
- advance payment received in previous period
- carry-over from previous period
- sub-total amount received in previous period  
<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$319</td>
<td>$302</td>
</tr>
<tr>
<td>$(154)</td>
<td>$432</td>
</tr>
<tr>
<td>$165</td>
<td>$734</td>
</tr>
</tbody>
</table>

**Amount received in the reporting period**

<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$4,137</td>
<td>$3,321</td>
</tr>
</tbody>
</table>

**Amount attributable to future period:**
- advance payment received in respect of the next period
- under-expenditure in reporting period  
<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$336</td>
<td>$319</td>
</tr>
<tr>
<td>$(168)</td>
<td>$(154)</td>
</tr>
<tr>
<td>$168</td>
<td>$165</td>
</tr>
</tbody>
</table>

**Amount expended in the reporting period**

<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$4,134</td>
<td>$3,890</td>
</tr>
</tbody>
</table>

### AUSTRALIAN POSTGRADUATE AWARDS (Industry)

**Amount received in previous period:**
- advance payment received in previous period
- carry-over from previous period
- sub-total amount received in previous period  
<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15</td>
<td>$9</td>
</tr>
<tr>
<td>$7</td>
<td>$20</td>
</tr>
<tr>
<td>$22</td>
<td>$29</td>
</tr>
</tbody>
</table>

**Amount received in the reporting period**

<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$304</td>
<td>$225</td>
</tr>
</tbody>
</table>

**Amount attributable to future period:**
- advance payment received in respect of the next period
- under-expenditure in reporting period  
<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$24</td>
<td>$15</td>
</tr>
<tr>
<td>$50</td>
<td>$7</td>
</tr>
<tr>
<td>$74</td>
<td>$22</td>
</tr>
</tbody>
</table>

**Amount expended in the reporting period**

<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$252</td>
<td>$232</td>
</tr>
</tbody>
</table>

### OVERSEAS POSTGRADUATE RESEARCH SCHOLARSHIPS

**Amount received in previous period:**
- advance payment received in previous period
- carry-over from previous period
- sub-total amount received in previous period  
<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$138</td>
<td>$58</td>
</tr>
<tr>
<td>$138</td>
<td>$58</td>
</tr>
</tbody>
</table>

**Amount received in the reporting period**

<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,233</td>
<td>$1,190</td>
</tr>
</tbody>
</table>

**Amount attributable to future period:**
- advance payment received in respect of the next period
- under-expenditure in reporting period  
<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$98</td>
<td>$138</td>
</tr>
<tr>
<td>$98</td>
<td>$138</td>
</tr>
</tbody>
</table>

**Amount expended in the reporting period**

<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,273</td>
<td>$1,110</td>
</tr>
</tbody>
</table>

### SPECIAL OVERSEAS POSTGRADUATE FUND

**Amount received in previous period:**
- advance payment received in previous period
- carry-over from previous period
- sub-total amount received in previous period  
<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$11</td>
<td>$11</td>
</tr>
</tbody>
</table>

**Amount received in the reporting period**

<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$45</td>
<td>$45</td>
</tr>
</tbody>
</table>

**Amount attributable to future period:**
- advance payment received in respect of the next period
- under-expenditure in reporting period  
<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$11</td>
<td>$11</td>
</tr>
<tr>
<td>$11</td>
<td>$11</td>
</tr>
</tbody>
</table>

**Amount expended in the reporting period**

<table>
<thead>
<tr>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>$11</td>
<td>$34</td>
</tr>
</tbody>
</table>

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2.3 ACQUITTAL OF COMMONWEALTH GOVERNMENT GRANTS
PURSUANT TO THE HIGHER EDUCATION FUNDING ACT 1988

The following Commonwealth Government grants to the University were under-expended in the 1996 reporting period:

<table>
<thead>
<tr>
<th>Grant available in respect of the reporting period</th>
<th>Amount expenditure in the reporting period</th>
<th>Under-expenditure in the reporting period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grant available</td>
<td>University</td>
<td>1996</td>
</tr>
<tr>
<td>Base Operating Grant</td>
<td>192,002</td>
<td>192,002</td>
</tr>
<tr>
<td>Comcare / ANAO</td>
<td>1,548</td>
<td>1,548</td>
</tr>
<tr>
<td>National Priority (Reserve) Fund</td>
<td>4,472</td>
<td>2,978</td>
</tr>
<tr>
<td>Operating purposes excluding HECS</td>
<td>2,878</td>
<td>932</td>
</tr>
<tr>
<td>Equality of Opportunity</td>
<td>112</td>
<td>105</td>
</tr>
<tr>
<td>Total operating purposes excluding HECS</td>
<td>201,012</td>
<td>197,565</td>
</tr>
<tr>
<td>Large Research Grants</td>
<td>4,719</td>
<td>3,566</td>
</tr>
<tr>
<td>A small research grants</td>
<td>1,433</td>
<td>1,128</td>
</tr>
<tr>
<td>Collaborative Research Grants</td>
<td>90</td>
<td>50</td>
</tr>
<tr>
<td>Research Infrastructure Grants</td>
<td>4,589</td>
<td>4,520</td>
</tr>
<tr>
<td>Special Research Centres</td>
<td>4,585</td>
<td>4,485</td>
</tr>
<tr>
<td>International Research Fellowships</td>
<td>349</td>
<td>243</td>
</tr>
<tr>
<td>Australian Postgraduate Awards</td>
<td>3,966</td>
<td>4,134</td>
</tr>
<tr>
<td>Australian Postgraduate Awards (Industry)</td>
<td>302</td>
<td>252</td>
</tr>
<tr>
<td>Overseas Postgraduate Research Scholarships</td>
<td>1,273</td>
<td>1,273</td>
</tr>
<tr>
<td>Special Overseas Postgraduate Fund</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Total under-expenditure</td>
<td>$1,146</td>
<td>$1,186</td>
</tr>
</tbody>
</table>

All under-expenditure is to be carried forward.

The information provided in this note is only relevant to the University and so consolidated figures are not provided.

3. HIGHER EDUCATION CONTRIBUTION SCHEME

Amounts received pursuant to the Higher Education Funding Act 1988 from HECS Trust Fund and amounts expended:

<table>
<thead>
<tr>
<th>Amount received in previous period:</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>advance payment received in previous period</td>
<td>1,146</td>
</tr>
<tr>
<td>carry-over from previous period</td>
<td>1,146</td>
</tr>
<tr>
<td>sub-total amount received in previous period</td>
<td>1,146</td>
</tr>
<tr>
<td></td>
<td>1,186</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amount received in the reporting period</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>14,510</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amount attributable to future period:</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>advance payment received in respect of the next period</td>
<td>1,369</td>
</tr>
<tr>
<td>under-expenditure in reporting period</td>
<td>1,369</td>
</tr>
<tr>
<td>sub-total amount attributable to future period</td>
<td>1,369</td>
</tr>
<tr>
<td></td>
<td>1,146</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amount expended in the reporting period</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>14,287</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HECS contributions actually received from students</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,627</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total HECS revenue for the reporting period</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>$16,914</td>
<td></td>
</tr>
</tbody>
</table>

The information provided in this note is only relevant to the University and so consolidated figures are not provided.

4. ACT GOVERNMENT GRANTS

ACT Government grants for the following purposes were received by the University during the reporting period:

<table>
<thead>
<tr>
<th>ACT Government Grants</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributions for operating purposes</td>
<td>1,644</td>
</tr>
<tr>
<td>Contributions to research projects</td>
<td>64</td>
</tr>
<tr>
<td>Other Contributions</td>
<td>115</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Consolidated</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>$'000</td>
<td>$'000</td>
</tr>
<tr>
<td>$1,823</td>
<td>$1,988</td>
</tr>
</tbody>
</table>

$1,823 | $1,988
### 5. INVESTMENT INCOME

#### Dividends

<table>
<thead>
<tr>
<th>Year</th>
<th>Consolidated</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$'000</td>
<td>$'000</td>
</tr>
<tr>
<td>1996</td>
<td>8,207</td>
<td>8,207</td>
</tr>
<tr>
<td>1995</td>
<td>8,305</td>
<td>8,305</td>
</tr>
</tbody>
</table>

#### Interest

<table>
<thead>
<tr>
<th>Year</th>
<th>Consolidated</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$'000</td>
<td>$'000</td>
</tr>
<tr>
<td>1996</td>
<td>19,884</td>
<td>19,707</td>
</tr>
<tr>
<td>1995</td>
<td>19,297</td>
<td>19,021</td>
</tr>
</tbody>
</table>

#### Accrued income on technology licences investment

<table>
<thead>
<tr>
<th>Year</th>
<th>Consolidated</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$'000</td>
<td>$'000</td>
</tr>
<tr>
<td>1996</td>
<td>12,795</td>
<td>11,418</td>
</tr>
<tr>
<td>1995</td>
<td>11,418</td>
<td>10,213</td>
</tr>
</tbody>
</table>

#### Income from unit trusts

<table>
<thead>
<tr>
<th>Year</th>
<th>Consolidated</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$'000</td>
<td>$'000</td>
</tr>
<tr>
<td>1996</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>1995</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

#### Rentals from investment properties

<table>
<thead>
<tr>
<th>Year</th>
<th>Consolidated</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$'000</td>
<td>$'000</td>
</tr>
<tr>
<td>1996</td>
<td>6,862</td>
<td>6,862</td>
</tr>
<tr>
<td>1995</td>
<td>6,977</td>
<td>6,977</td>
</tr>
</tbody>
</table>

#### Changes in net market value of investments held by the Commonwealth Superannuation Account at balance date

<table>
<thead>
<tr>
<th>Investment Type</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Convertible notes</td>
<td>(638)</td>
<td>71</td>
</tr>
<tr>
<td>Corporate bonds</td>
<td>782</td>
<td>954</td>
</tr>
<tr>
<td>Government and semi-government securities</td>
<td>2,396</td>
<td>6,807</td>
</tr>
<tr>
<td>Managed investment funds</td>
<td>(66)</td>
<td>201</td>
</tr>
<tr>
<td>Overseas managed investment funds</td>
<td>1,766</td>
<td>2,978</td>
</tr>
<tr>
<td>Properties</td>
<td>1,791</td>
<td>250</td>
</tr>
<tr>
<td>Shares and share options</td>
<td>12,810</td>
<td>15,517</td>
</tr>
<tr>
<td>Stapled securities</td>
<td>(150)</td>
<td>719</td>
</tr>
<tr>
<td>Transferable certificate of deposits</td>
<td>108</td>
<td>108</td>
</tr>
</tbody>
</table>

#### Investments realised during the period

<table>
<thead>
<tr>
<th>Investment Type</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Convertible notes</td>
<td>1,083</td>
<td>1,083</td>
</tr>
<tr>
<td>Corporate bonds</td>
<td>(23)</td>
<td>(128)</td>
</tr>
<tr>
<td>Debentures</td>
<td>(299)</td>
<td>92</td>
</tr>
<tr>
<td>Government and semi-government securities</td>
<td>(942)</td>
<td>1,452</td>
</tr>
<tr>
<td>Overseas managed investment funds</td>
<td>(139)</td>
<td>(139)</td>
</tr>
<tr>
<td>Shares and share options</td>
<td>888</td>
<td>2,624</td>
</tr>
<tr>
<td>Stapled securities</td>
<td>(182)</td>
<td>(11)</td>
</tr>
<tr>
<td>Transferable certificate of deposits</td>
<td>2</td>
<td>(49)</td>
</tr>
</tbody>
</table>

#### Direct investment expenditure

<table>
<thead>
<tr>
<th>Year</th>
<th>Consolidated</th>
<th>University</th>
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<tbody>
<tr>
<td></td>
<td>$'000</td>
<td>$'000</td>
</tr>
<tr>
<td>1996</td>
<td>(1,977)</td>
<td>(1,977)</td>
</tr>
<tr>
<td>1995</td>
<td>(3,235)</td>
<td>(3,235)</td>
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</tbody>
</table>

#### $63,875  $50,903

### 6. FEES AND CHARGES

Fees and charges collected during the reporting period were:

<table>
<thead>
<tr>
<th>Fee Type</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuing education</td>
<td>3,480</td>
<td>2,733</td>
</tr>
<tr>
<td>Full fee paying overseas students</td>
<td>9,117</td>
<td>9,440</td>
</tr>
<tr>
<td>Fees-approved post graduate award students</td>
<td>2,172</td>
<td>1,664</td>
</tr>
<tr>
<td>Other fees and charges</td>
<td>7,070</td>
<td>6,156</td>
</tr>
<tr>
<td>less disbursement of fees to student bodies and refunds</td>
<td>(1,453)</td>
<td>(1,531)</td>
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</table>

#### $20,386  $18,462

### 7. OTHER REVENUE

<table>
<thead>
<tr>
<th>Revenue Type</th>
<th>1996</th>
<th>1995</th>
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</thead>
<tbody>
<tr>
<td>Sundry income</td>
<td>3,049</td>
<td>2,564</td>
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<tr>
<td>Contributions to projects</td>
<td>5,715</td>
<td>4,712</td>
</tr>
<tr>
<td>Parking permits</td>
<td>895</td>
<td>906</td>
</tr>
<tr>
<td>Workers compensation reimbursements</td>
<td>729</td>
<td>729</td>
</tr>
<tr>
<td>Rentals and hire facilities</td>
<td>6,123</td>
<td>6,212</td>
</tr>
<tr>
<td>Sales</td>
<td>8,949</td>
<td>10,935</td>
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<tr>
<td>Tariffs</td>
<td>8,939</td>
<td>8,836</td>
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<tr>
<td>Disposal of assets</td>
<td>419</td>
<td>477</td>
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</table>

#### $34,818  $35,349

### Total

#### $33,119  $30,489
## 8. AGGREGATE OF ALL ACTIVITIES

### Salary and related expenses

<table>
<thead>
<tr>
<th></th>
<th>Consolidated 1996 $'000</th>
<th>Consolidated 1995 $'000</th>
<th>University 1996 $'000</th>
<th>University 1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic staff salaries</td>
<td>78,651</td>
<td>76,184</td>
<td>78,685</td>
<td>76,184</td>
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<tr>
<td>Academic staff salary related costs</td>
<td>17,17</td>
<td>19,379</td>
<td>19,379</td>
<td>21,104</td>
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<tr>
<td>Non-academic staff salaries</td>
<td>89,397</td>
<td>85,237</td>
<td>86,495</td>
<td>82,349</td>
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<tr>
<td>Non-academic staff salary related costs</td>
<td>17,17</td>
<td>29,253</td>
<td>29,938</td>
<td>28,471</td>
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</table>

### Depreciation expense

<table>
<thead>
<tr>
<th></th>
<th>University 1996 $'000</th>
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</thead>
<tbody>
<tr>
<td>Property at cost</td>
<td>667</td>
</tr>
<tr>
<td>Property at valuation</td>
<td>16,115</td>
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<tr>
<td>Plant, equipment and motor vehicles</td>
<td>18,505</td>
</tr>
</tbody>
</table>

### Other expenses

<table>
<thead>
<tr>
<th></th>
<th>University 1996 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site maintenance and servicing (1)</td>
<td>21,238</td>
</tr>
<tr>
<td>Consumables (2)</td>
<td>44,973</td>
</tr>
<tr>
<td>Travel, conferences and fieldwork</td>
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<tr>
<td>Scholarships</td>
<td>15,052</td>
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<tr>
<td>Miscellaneous operating expenses</td>
<td>42,751</td>
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<tr>
<td>Other</td>
<td>37,702</td>
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### TOTAL EXPENSES

- **Consolidated 1996**: $427,373
- **Consolidated 1995**: $435,237
- **University 1996**: $391,731
- **University 1995**: $402,587

(1) includes repairs and maintenance, electricity, rates and other site expenditure
(2) includes research and teaching materials

## 9. ACADEMIC ACTIVITIES

### Salary and related expenses

<table>
<thead>
<tr>
<th></th>
<th>University 1996 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic staff salaries</td>
<td>78,143</td>
</tr>
<tr>
<td>Academic staff salary related costs</td>
<td>17,17</td>
</tr>
<tr>
<td>Non-academic staff salaries</td>
<td>49,897</td>
</tr>
<tr>
<td>Non-academic staff salary related costs</td>
<td>17,17</td>
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</table>

### Depreciation expense

<table>
<thead>
<tr>
<th></th>
<th>University 1996 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property at cost</td>
<td>410</td>
</tr>
<tr>
<td>Property at valuation</td>
<td>9,900</td>
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<tr>
<td>Plant, equipment and motor vehicles</td>
<td>13,318</td>
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</table>

### Other expenses

<table>
<thead>
<tr>
<th></th>
<th>University 1996 $'000</th>
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</thead>
<tbody>
<tr>
<td>Site maintenance and servicing</td>
<td>6,539</td>
</tr>
<tr>
<td>Consumables</td>
<td>29,233</td>
</tr>
<tr>
<td>Travel, conferences and fieldwork</td>
<td>10,357</td>
</tr>
<tr>
<td>Miscellaneous operating expenses</td>
<td>21,195</td>
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</tbody>
</table>

### TOTAL EXPENSES

- **University 1996**: $256,291
- **University 1995**: $246,617
- **University 1996**: $243,217
- **University 1995**: $234,693
## 10. LIBRARIES

### Salary and related expenses

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Non-academic staff salaries</td>
<td>5,281</td>
<td>5,188</td>
<td>5,281</td>
<td>5,188</td>
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<tr>
<td>Non-academic staff salary related costs</td>
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<td>1,868</td>
<td>1,810</td>
<td>1,868</td>
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<tr>
<td><strong>Depreciation expense</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property at valuation</td>
<td>957</td>
<td>956</td>
<td>957</td>
<td>956</td>
</tr>
<tr>
<td>Plant, equipment and motor vehicles</td>
<td>680</td>
<td>600</td>
<td>680</td>
<td>600</td>
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<tr>
<td><strong>Other expenses</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site maintenance and servicing</td>
<td>526</td>
<td>472</td>
<td>526</td>
<td>472</td>
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<tr>
<td>Consumables</td>
<td>6,465</td>
<td>7,136</td>
<td>6,478</td>
<td>7,152</td>
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<td>Travel, conferences and fieldwork</td>
<td>66</td>
<td>92</td>
<td>66</td>
<td>92</td>
</tr>
<tr>
<td>Miscellaneous operating expenses</td>
<td>82</td>
<td>35</td>
<td>82</td>
<td>35</td>
</tr>
<tr>
<td><strong>TOTAL EXPENSES</strong></td>
<td>$15,867</td>
<td>$16,347</td>
<td>$15,880</td>
<td>$16,363</td>
</tr>
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</table>

## 11. ACADEMIC SUPPORT SERVICES

### Salary and related expenses

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-academic staff salaries</td>
<td>6,723</td>
<td>6,568</td>
<td>4,085</td>
<td>4,047</td>
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<tr>
<td>Non-academic staff salary related costs</td>
<td>2,283</td>
<td>1,898</td>
<td>1,493</td>
<td>1,254</td>
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<tr>
<td><strong>Depreciation expense</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Property at cost</td>
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<td>2</td>
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<tr>
<td>Property at valuation</td>
<td>672</td>
<td>672</td>
<td>672</td>
<td>672</td>
</tr>
<tr>
<td>Plant, equipment and motor vehicles</td>
<td>2,453</td>
<td>1,932</td>
<td>2,453</td>
<td>1,932</td>
</tr>
<tr>
<td><strong>Other expenses</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site maintenance and servicing</td>
<td>222</td>
<td>267</td>
<td>222</td>
<td>267</td>
</tr>
<tr>
<td>Consumables</td>
<td>217</td>
<td>371</td>
<td>308</td>
<td>374</td>
</tr>
<tr>
<td>Travel, conferences and fieldwork</td>
<td>162</td>
<td>227</td>
<td>111</td>
<td>141</td>
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<tr>
<td>Miscellaneous operating expenses</td>
<td>5,559</td>
<td>6,158</td>
<td>76</td>
<td>84</td>
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<tr>
<td><strong>TOTAL EXPENSES</strong></td>
<td>$18,294</td>
<td>$18,095</td>
<td>$9,423</td>
<td>$8,773</td>
</tr>
</tbody>
</table>
### 12. STUDENT SERVICES

**Salary and related expenses**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-academic staff salaries</td>
<td>3,729</td>
<td>3,439</td>
<td>3,729</td>
<td>3,439</td>
</tr>
<tr>
<td>Non-academic staff salary related costs</td>
<td>1,149</td>
<td>969</td>
<td>1,149</td>
<td>969</td>
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<tr>
<td>Depreciation expense</td>
<td>1,968</td>
<td>1,946</td>
<td>1,968</td>
<td>1,946</td>
</tr>
<tr>
<td>Plant, equipment and motor vehicles</td>
<td>265</td>
<td>202</td>
<td>265</td>
<td>202</td>
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</table>

**Other expenses**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Site maintenance and servicing</td>
<td>1,892</td>
<td>1,349</td>
<td>1,892</td>
<td>1,349</td>
</tr>
<tr>
<td>Consumables</td>
<td>2,012</td>
<td>1,922</td>
<td>2,032</td>
<td>1,953</td>
</tr>
<tr>
<td>Travel, conferences and fieldwork</td>
<td>461</td>
<td>408</td>
<td>461</td>
<td>408</td>
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<tr>
<td>Scholarships</td>
<td>15,052</td>
<td>14,505</td>
<td>15,116</td>
<td>14,638</td>
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<td>Miscellaneous operating expenses</td>
<td>356</td>
<td>380</td>
<td>444</td>
<td>403</td>
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**TOTAL EXPENSES**

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$26,884</td>
<td>$25,220</td>
<td>$27,056</td>
<td>$25,307</td>
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</tbody>
</table>

### 13. PUBLIC SERVICES

**Salary and related expenses**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic staff salaries</td>
<td>508</td>
<td>377</td>
<td>508</td>
<td>377</td>
</tr>
<tr>
<td>Academic staff salary related costs</td>
<td>1,717</td>
<td>1,17</td>
<td>1,717</td>
<td>1,17</td>
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<tr>
<td>Non-academic staff salaries</td>
<td>1,252</td>
<td>1,063</td>
<td>1,252</td>
<td>1,063</td>
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<tr>
<td>Non-academic staff salary related costs</td>
<td>361</td>
<td>275</td>
<td>361</td>
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</table>

**Depreciation expense**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Property at cost</td>
<td>13</td>
<td>13</td>
<td>13</td>
<td>13</td>
</tr>
<tr>
<td>Property at valutation</td>
<td>111</td>
<td>111</td>
<td>111</td>
<td>111</td>
</tr>
<tr>
<td>Plant, equipment and motor vehicles</td>
<td>28</td>
<td>22</td>
<td>28</td>
<td>22</td>
</tr>
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</table>

**Other expenses**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Site maintenance and servicing</td>
<td>5</td>
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<td>5</td>
<td>1</td>
</tr>
<tr>
<td>Consumables</td>
<td>1,298</td>
<td>1,080</td>
<td>1,307</td>
<td>1,087</td>
</tr>
<tr>
<td>Travel, conferences and fieldwork</td>
<td>543</td>
<td>216</td>
<td>543</td>
<td>216</td>
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<tr>
<td>Miscellaneous operating expenses</td>
<td>389</td>
<td>280</td>
<td>396</td>
<td>280</td>
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</tbody>
</table>

**TOTAL EXPENSES**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$4,557</td>
<td>$3,553</td>
<td>$4,573</td>
<td>$3,560</td>
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14. BUILDINGS AND GROUNDS

<table>
<thead>
<tr>
<th>Notes</th>
<th>Consolidated 1996 $'000</th>
<th>Consolidated 1995 $'000</th>
<th>University 1996 $'000</th>
<th>University 1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salary and related expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-academic staff salaries</td>
<td>4,591</td>
<td>5,038</td>
<td>4,591</td>
<td>5,038</td>
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<tr>
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<td>1,645</td>
<td>1,467</td>
<td>1,645</td>
<td>1,467</td>
</tr>
<tr>
<td>Depreciation expense</td>
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<td></td>
</tr>
<tr>
<td>Property at cost</td>
<td>203</td>
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<td>193</td>
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<tr>
<td>Property at valuation</td>
<td>213</td>
<td>213</td>
<td>213</td>
<td>213</td>
</tr>
<tr>
<td>Plant, equipment and motor vehicles</td>
<td>455</td>
<td>435</td>
<td>455</td>
<td>435</td>
</tr>
<tr>
<td>Other expenses</td>
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<td></td>
</tr>
<tr>
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<td>9,856</td>
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<td>Consumables</td>
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<td>880</td>
<td>875</td>
<td>881</td>
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<tr>
<td>Travel, conferences and fieldwork</td>
<td>18</td>
<td>28</td>
<td>18</td>
<td>28</td>
</tr>
<tr>
<td>Miscellaneous operating expenses</td>
<td>177</td>
<td>194</td>
<td>177</td>
<td>194</td>
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<tr>
<td>TOTAL EXPENSES</td>
<td>$18,025</td>
<td>$17,684</td>
<td>$18,033</td>
<td>$17,685</td>
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</table>

15. ADMINISTRATION AND OTHER GENERAL INSTITUTIONAL SERVICES

<table>
<thead>
<tr>
<th>Notes</th>
<th>Consolidated 1996 $'000</th>
<th>Consolidated 1995 $'000</th>
<th>University 1996 $'000</th>
<th>University 1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salary and related expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-academic staff salaries</td>
<td>17,924</td>
<td>16,597</td>
<td>17,373</td>
<td>16,080</td>
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<tr>
<td>Non-academic staff salary related costs</td>
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<td>5,622</td>
<td>5,511</td>
<td>5,484</td>
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<tr>
<td>Depreciation expense</td>
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<td></td>
</tr>
<tr>
<td>Property at cost</td>
<td>38</td>
<td>28</td>
<td>1</td>
<td></td>
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<tr>
<td>Property at valuation</td>
<td>2,294</td>
<td>1,577</td>
<td>2,151</td>
<td>1,433</td>
</tr>
<tr>
<td>Plant, equipment and motor vehicles</td>
<td>1,306</td>
<td>1,329</td>
<td>1,133</td>
<td>1,175</td>
</tr>
<tr>
<td>Other expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Site maintenance and servicing</td>
<td>2,205</td>
<td>2,484</td>
<td>2,205</td>
<td>2,484</td>
</tr>
<tr>
<td>Consumables</td>
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<td>4,637</td>
<td>5,026</td>
<td>4,689</td>
</tr>
<tr>
<td>Travel, conferences and fieldwork</td>
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<td>941</td>
<td>447</td>
<td>931</td>
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<tr>
<td>Miscellaneous operating expenses</td>
<td>14,993</td>
<td>13,027</td>
<td>2,186</td>
<td>2,587</td>
</tr>
<tr>
<td>TOTAL EXPENSES</td>
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<td>$46,242</td>
<td>$36,032</td>
<td>$34,864</td>
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16. OTHER

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 $'000</th>
<th>1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bad debts</td>
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<td>17</td>
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<tr>
<td>Doubtful debts expense</td>
<td>167</td>
<td>(28)</td>
</tr>
<tr>
<td>Interest expense</td>
<td>617</td>
<td>1,101</td>
</tr>
<tr>
<td>Loss on disposal of assets</td>
<td>1,190</td>
<td>1,151</td>
</tr>
</tbody>
</table>

**Commonwealth Superannuation Account**

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 $'000</th>
<th>1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>General administrative expenses</td>
<td>138</td>
<td>212</td>
</tr>
<tr>
<td>Pension payments</td>
<td>11,594</td>
<td>10,898</td>
</tr>
<tr>
<td>Employee superannuation entitlements expense</td>
<td>23,958</td>
<td>48,128</td>
</tr>
</tbody>
</table>

| Total                               | $37,702    | $61,479    |

17. SALARY RELATED EXPENSES

Salary related expenses during the reporting period were:

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 $'000</th>
<th>1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contributions to superannuation and pension schemes</td>
<td>21,267</td>
<td>20,131</td>
</tr>
<tr>
<td>Payroll tax</td>
<td>12,853</td>
<td>11,544</td>
</tr>
<tr>
<td>Workers compensation</td>
<td>2,581</td>
<td>2,825</td>
</tr>
<tr>
<td>Long service leave expense</td>
<td>6,268</td>
<td>9,293</td>
</tr>
<tr>
<td>Annual leave expense</td>
<td>7,291</td>
<td>6,564</td>
</tr>
</tbody>
</table>

| Total                               | $50,260    | $50,357    |

18. ABNORMAL AND EXTRAORDINARY ITEMS

**Abnormal items:**

Research expenditure written off

<table>
<thead>
<tr>
<th>Item</th>
<th>1996 $'000</th>
<th>1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(287)</td>
<td>(73)</td>
</tr>
</tbody>
</table>

| Total                               | ($287)     | ($73)      |

**Extraordinary item:**

The University terminated its Supplementary Superannuation Scheme on 30 June 1995 by transferring the pensioners in the Scheme together with the appropriate value of assets to the Superannuation Scheme for Australian Universities. The residual surplus in the Scheme was $8,288,000. This was retained by the University and is disclosed as an extraordinary item in 1995.
## 19. RESERVES

<table>
<thead>
<tr>
<th></th>
<th>Consolidated 1996 $'000</th>
<th>University 1996 $'000</th>
<th>Consolidated 1995 $'000</th>
<th>University 1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Special Reserves:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Asset revaluation</td>
<td>505,286</td>
<td>503,916</td>
<td>505,265</td>
<td>505,265</td>
</tr>
<tr>
<td>Building</td>
<td>6,644</td>
<td>6,444</td>
<td>4,802</td>
<td>2,064</td>
</tr>
<tr>
<td>Capital development</td>
<td>199</td>
<td>199</td>
<td>199</td>
<td>233</td>
</tr>
<tr>
<td>Equipment</td>
<td>3,134</td>
<td>3,134</td>
<td>3,425</td>
<td>3,425</td>
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<tr>
<td>Self insurance</td>
<td>2,064</td>
<td>931</td>
<td>2,064</td>
<td>931</td>
</tr>
<tr>
<td>Project development</td>
<td>668</td>
<td>549</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Special Reserves</strong></td>
<td><strong>12,510</strong></td>
<td><strong>11,642</strong></td>
<td><strong>11,354</strong></td>
<td><strong>11,354</strong></td>
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<tr>
<td><strong>Movements in reserves</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>Asset revaluation</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balance at beginning of year</td>
<td>506,635</td>
<td>505,265</td>
<td>506,634</td>
<td>505,265</td>
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<tr>
<td>Revaluation increments on revaluation of Land</td>
<td>2,374</td>
<td>2,374</td>
<td>2,374</td>
<td>2,374</td>
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<tr>
<td>Buildings</td>
<td>(3,723)</td>
<td>(3,723)</td>
<td>(3,723)</td>
<td>(3,723)</td>
</tr>
<tr>
<td>Balance at end of year</td>
<td><strong>$505,286</strong></td>
<td><strong>$506,634</strong></td>
<td><strong>$503,916</strong></td>
<td><strong>$505,265</strong></td>
</tr>
<tr>
<td><strong>Asset replacement</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balance at beginning of year</td>
<td>1,997</td>
<td>1,997</td>
<td>1,997</td>
<td>1,997</td>
</tr>
<tr>
<td>Transfer from retained surpluses</td>
<td>108</td>
<td>108</td>
<td>108</td>
<td>108</td>
</tr>
<tr>
<td>Transfer to retained surpluses</td>
<td>(1,997)</td>
<td>(1,997)</td>
<td>(1,997)</td>
<td>(1,997)</td>
</tr>
<tr>
<td>Balance at end of year</td>
<td>1,997</td>
<td>1,997</td>
<td>1,997</td>
<td>1,997</td>
</tr>
<tr>
<td><strong>Building</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balance at beginning of year</td>
<td>5,002</td>
<td>4,802</td>
<td>4,802</td>
<td>3,995</td>
</tr>
<tr>
<td>Transfer from retained surpluses</td>
<td>2,495</td>
<td>1,043</td>
<td>2,495</td>
<td>1,043</td>
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<tr>
<td>Transfer to retained surpluses</td>
<td>(853)</td>
<td>(236)</td>
<td>(853)</td>
<td>(236)</td>
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<tr>
<td>Balance at end of year</td>
<td><strong>$6,644</strong></td>
<td><strong>$5,002</strong></td>
<td><strong>$6,444</strong></td>
<td><strong>$4,802</strong></td>
</tr>
<tr>
<td><strong>Capital development</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balance at beginning of year</td>
<td>199</td>
<td>199</td>
<td>199</td>
<td>199</td>
</tr>
<tr>
<td>Transfer to retained surpluses</td>
<td>(199)</td>
<td>(199)</td>
<td>(199)</td>
<td>(199)</td>
</tr>
<tr>
<td>Balance at end of year</td>
<td><strong>$199</strong></td>
<td></td>
<td><strong>$199</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Equipment</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balance at beginning of year</td>
<td>3,425</td>
<td>5,058</td>
<td>3,425</td>
<td>5,058</td>
</tr>
<tr>
<td>Transfer from retained surpluses</td>
<td>798</td>
<td>596</td>
<td>798</td>
<td>596</td>
</tr>
<tr>
<td>Transfer to retained surpluses</td>
<td>(1,089)</td>
<td>(2,229)</td>
<td>(1,089)</td>
<td>(2,229)</td>
</tr>
<tr>
<td>Balance at end of year</td>
<td><strong>$3,134</strong></td>
<td><strong>$3,425</strong></td>
<td><strong>$3,134</strong></td>
<td><strong>$3,425</strong></td>
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</table>
### 19. RESERVES continued

#### Self insurance of dwellings and buildings

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance at beginning of year</td>
<td>$931</td>
<td>$700</td>
<td>$931</td>
<td>$700</td>
</tr>
<tr>
<td>Transfer from retained surpluses</td>
<td>1,133</td>
<td>231</td>
<td>1,133</td>
<td>231</td>
</tr>
<tr>
<td>Balance at end of year</td>
<td>$2,064</td>
<td>$931</td>
<td>$2,064</td>
<td>$931</td>
</tr>
</tbody>
</table>

#### Project development

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance at beginning of year</td>
<td>233</td>
<td>210</td>
<td>233</td>
<td>210</td>
</tr>
<tr>
<td>Transfer from retained surpluses</td>
<td>370</td>
<td>(347)</td>
<td>370</td>
<td>(347)</td>
</tr>
<tr>
<td>Balance at end of year</td>
<td></td>
<td>$233</td>
<td></td>
<td>$233</td>
</tr>
</tbody>
</table>

#### Research donations

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance at beginning of year</td>
<td>$549</td>
<td>$462</td>
<td>$549</td>
<td>$462</td>
</tr>
<tr>
<td>Transfer from retained surpluses</td>
<td>119</td>
<td>87</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balance at end of year</td>
<td>$668</td>
<td>$549</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Long service leave

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Balance at beginning of year</td>
<td>148</td>
<td>(148)</td>
<td>148</td>
<td>(148)</td>
</tr>
<tr>
<td>Transfer to retained surpluses</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Balance at end of year</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 20. CASH

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cash on hand</td>
<td>$64</td>
<td>$61</td>
<td>$64</td>
<td>$61</td>
</tr>
<tr>
<td>Bank</td>
<td>$2,459</td>
<td>($1,707)</td>
<td>$2,165</td>
<td>($2,160)</td>
</tr>
<tr>
<td>Deposits at call</td>
<td>$72,428</td>
<td>$97,522</td>
<td>$71,651</td>
<td>$93,802</td>
</tr>
<tr>
<td></td>
<td>$74,951</td>
<td>$95,876</td>
<td>$73,880</td>
<td>$91,703</td>
</tr>
</tbody>
</table>

Of the total cash available, $12,510,000 has been retained for future expenditure as outlined in the Special Reserves (see note 19).

### 21. RECEIVABLES

#### Current receivables:

- **Trade debtors**: $3,877, $4,255, $2,551, $2,805
- **Trade debtors receivable from the Commonwealth**: $1,298, $970, $430, $258
- **Provision for doubtful debts**: ($410), ($255), ($410), ($255)
- **Advance payments and prepaid expenditure**: $4,143, $5,294, $4,047, $5,195
- **Loans**: $214, $212, $214, $212
- **Other debtors**: $7,950, $10,785, $7,950, $10,785

#### Total current receivables: $17,072, $21,261, $14,782, $19,000

#### Non-current receivables:

- **Loans**: $594, $908, $594, $908

#### Ageing of Trade Debtors ($'000)

- **Current**: $2,255, $1,426, $364, $1,130
- **> 30 Days**: $5,175, $5,225
# THE AUSTRALIAN NATIONAL UNIVERSITY

## NOTES continued

### 22. INVESTMENTS

**Current investments:**

<table>
<thead>
<tr>
<th>Commonwealth Superannuation Account</th>
<th>Investments at valuation (see note 1.6.2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Government and semi-government securities</td>
<td>1,014 9,142 1,014 9,142</td>
</tr>
<tr>
<td></td>
<td>1,014 9,142 1,014 9,142</td>
</tr>
</tbody>
</table>

**Investments at cost**

| Corporate bonds | 2,000 5,627 2,000 5,627 |
| Debentures      | 2,641 2,202 2,641 2,202 |
| Government and semi-government securities | 6,252 3,398 6,252 3,398 |
| Transferable certificate of deposits | 10,893 14,507 10,893 14,507 |
|                      | $11,907 $23,649 $11,907 $23,649 |

**Aggregate quoted market value at balance date of current investments at cost**

| Corporate bonds | 3,274 |
| Debentures      | 2,032 5,429 2,032 5,429 |
| Government and semi-government securities | 2,595 2,055 2,595 2,055 |
| Transferable certificate of deposits | 6,343 3,450 6,343 3,450 |
|                      | 371,395 322,266 371,395 322,265 |

**Non-current investments:**

<table>
<thead>
<tr>
<th>Commonwealth Superannuation Account</th>
<th>Investments at valuation (see note 1.6.2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Convertible notes</td>
<td>3,308 3,946 3,308 3,946</td>
</tr>
<tr>
<td>Corporate bonds</td>
<td>29,109 14,616 29,109 14,616</td>
</tr>
<tr>
<td>Government and semi-government securities</td>
<td>84,019 81,608 84,019 81,608</td>
</tr>
<tr>
<td>Managed investment funds</td>
<td>12,641 6,617 12,641 6,617</td>
</tr>
<tr>
<td>Overseas managed investment funds</td>
<td>37,233 27,352 37,233 27,352</td>
</tr>
<tr>
<td>Properties</td>
<td>60,690 54,899 60,690 54,899</td>
</tr>
<tr>
<td>Shares and share options</td>
<td>135,934 127,462 135,934 127,461</td>
</tr>
<tr>
<td>Stapled securities</td>
<td>3,369 5,766 3,369 5,766</td>
</tr>
<tr>
<td>Transferable certificate of deposits</td>
<td>5,092 5,092</td>
</tr>
<tr>
<td></td>
<td>39,312 27,762 41,295 29,615</td>
</tr>
<tr>
<td></td>
<td>$410,707 $350,028 $412,690 $351,880</td>
</tr>
</tbody>
</table>

**Aggregate quoted market value at balance date of non-current investments at cost**

| Corporate bonds | 5,133 3,080 5,133 3,080 |
| Debentures      | 2,000 2,000 2,000 2,000 |
| Government and semi-government securities | 22,234 8,142 22,234 8,142 |
| Shares and share options | 300 158 2,283 2,011 |
| Transferable certificate of deposits | 9,138 13,890 9,138 13,890 |
| Other            | 507 492 507 492 |
|                                    | 39,312 27,762 41,295 29,615 |
|                                    | $410,707 $350,028 $412,690 $351,880 |

---

1. Commonwealth Superannuation Account
2. Investments at valuation (see note 1.6.2)
3. Aggregate quoted market value at balance date of current investments at cost
4. Aggregate quoted market value at balance date of non-current investments at cost
### NOTES continued

<table>
<thead>
<tr>
<th>Maturity Dates</th>
<th>later than 1 year</th>
<th>later than 2 years</th>
<th>later than 5 years</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>but not later than 2 years</td>
<td>but not later than 5 years</td>
<td></td>
</tr>
<tr>
<td>Convertible notes</td>
<td>13,246</td>
<td>13,011</td>
<td>3,308</td>
</tr>
<tr>
<td>Corporate bonds</td>
<td>2,000</td>
<td>34,938</td>
<td>7,985</td>
</tr>
<tr>
<td>Debentures</td>
<td>7,480</td>
<td>63,835</td>
<td>12,641</td>
</tr>
<tr>
<td>Government and Semi-Government Bonds</td>
<td>13,246</td>
<td>7,480</td>
<td>37,233</td>
</tr>
<tr>
<td>Managed investment funds</td>
<td>3,493</td>
<td>10,737</td>
<td>60,690</td>
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<tr>
<td>Overseas managed investment funds</td>
<td>10,737</td>
<td>507</td>
<td>136,234</td>
</tr>
<tr>
<td>Properties</td>
<td>3,493</td>
<td></td>
<td>3,369</td>
</tr>
<tr>
<td>Shares and share options</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stapled securities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Transferable certificates of deposit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Consolidated 1996</th>
<th>University 1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inventory held for sale</td>
<td>1,962</td>
<td>727</td>
</tr>
<tr>
<td>Consumables in store</td>
<td>1,384</td>
<td>1,504</td>
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<tr>
<td><strong>$3,346</strong></td>
<td><strong>$2,231</strong></td>
<td><strong>$1,636</strong></td>
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<table>
<thead>
<tr>
<th>23. INVENTORIES</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>24. OTHER ASSETS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Other current assets:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goodwill on acquisition</td>
</tr>
<tr>
<td>Amortisation of goodwill</td>
</tr>
<tr>
<td><strong>$176</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other non-current assets:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred research and development costs</td>
</tr>
<tr>
<td>Technology licence fund accrued income</td>
</tr>
<tr>
<td>Technology licences fund cash investment</td>
</tr>
<tr>
<td><strong>$125,444</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>25. PROPERTY, PLANT &amp; EQUIPMENT</th>
</tr>
</thead>
</table>

| Work in progress | 38,389 | 35,989 | 38,389 | 35,989 |
| Site infrastructure at cost | 15,262 | 8,556 | 15,262 | 8,556 |
| Accumulated depreciation | (4,229) | (3,946) | (4,229) | (3,946) |
| Campus buildings at cost | 15,414 | 15,377 | 13,903 | 13,903 |
| Accumulated depreciation | (884) | (499) | (810) | (462) |
| Accumulated building maintenance provision | (3,684) | (2,942) | (3,684) | (2,942) |
| Property at Cost | 21,879 | 16,546 | 20,442 | 15,109 |
| Land at valuation | 35,562 | 33,152 | 35,562 | 33,152 |
| Dwellings at valuation | 26,529 | 31,134 | 26,529 | 31,134 |
| Accumulated depreciation | (1,337) | (1,607) | (1,337) | (1,607) |
| Campus buildings at valuation | 588,639 | 582,600 | 582,889 | 576,850 |
| Accumulated depreciation | (36,755) | (22,116) | (36,323) | (21,828) |
| Accumulated building maintenance provision | (1,647) | (2,105) | (1,647) | (2,105) |
| Property at Valuation | 610,991 | 621,058 | 605,673 | 615,596 |
### Consolidated University

<table>
<thead>
<tr>
<th></th>
<th>1996 $’000</th>
<th>1995 $’000</th>
<th>1996 $’000</th>
<th>1995 $’000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crown Lease</td>
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<td>3,400</td>
<td>3,400</td>
<td>3,400</td>
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<tr>
<td>Accumulated amortisation</td>
<td>(680)</td>
<td>(544)</td>
<td>(680)</td>
<td>(544)</td>
</tr>
<tr>
<td></td>
<td>2,720</td>
<td>2,856</td>
<td>2,720</td>
<td>2,856</td>
</tr>
<tr>
<td>Plant, equipment and motor vehicles at cost</td>
<td>185,872</td>
<td>175,204</td>
<td>184,445</td>
<td>173,746</td>
</tr>
<tr>
<td>Plant and equipment at valuation</td>
<td>813</td>
<td>991</td>
<td>813</td>
<td>991</td>
</tr>
<tr>
<td>Accumulated depreciation</td>
<td>(115,322)</td>
<td>(102,794)</td>
<td>(114,682)</td>
<td>(102,276)</td>
</tr>
<tr>
<td></td>
<td>71,363</td>
<td>73,401</td>
<td>70,576</td>
<td>72,461</td>
</tr>
<tr>
<td>Works of art and rare library materials at cost or valuation</td>
<td>3,210</td>
<td>2,901</td>
<td>3,210</td>
<td>2,901</td>
</tr>
<tr>
<td></td>
<td>$748,552</td>
<td>$752,751</td>
<td>$741,010</td>
<td>$744,912</td>
</tr>
</tbody>
</table>

### ACQUISITIONS AND DISPOSALS

<table>
<thead>
<tr>
<th></th>
<th>1996 $’000</th>
<th>1995 $’000</th>
<th>1996 $’000</th>
<th>1995 $’000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property at cost</td>
<td>6,743</td>
<td>6,706</td>
<td>7,037</td>
<td>219</td>
</tr>
<tr>
<td>Property at valuation</td>
<td>7,037</td>
<td>219</td>
<td>7,037</td>
<td>219</td>
</tr>
<tr>
<td>Plant, equipment and motor vehicles</td>
<td>19,743</td>
<td>9,253</td>
<td>19,532</td>
<td>9,011</td>
</tr>
<tr>
<td>Works of art and rare library materials</td>
<td>309</td>
<td>309</td>
<td>309</td>
<td>309</td>
</tr>
<tr>
<td></td>
<td>$33,832</td>
<td>$9,472</td>
<td>$33,584</td>
<td>$9,230</td>
</tr>
</tbody>
</table>

### 26. CREDITORS

<table>
<thead>
<tr>
<th></th>
<th>1996 $’000</th>
<th>1995 $’000</th>
<th>1996 $’000</th>
<th>1995 $’000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accrued salary and related expenses</td>
<td>9,114</td>
<td>4,514</td>
<td>9,114</td>
<td>4,514</td>
</tr>
<tr>
<td>Income in advance *</td>
<td>32,701</td>
<td>38,919</td>
<td>32,603</td>
<td>38,823</td>
</tr>
<tr>
<td>Other creditors</td>
<td>3,276</td>
<td>2,221</td>
<td>3,276</td>
<td>2,221</td>
</tr>
<tr>
<td>Trade creditors</td>
<td>8,713</td>
<td>9,098</td>
<td>6,115</td>
<td>6,945</td>
</tr>
<tr>
<td></td>
<td>$53,804</td>
<td>$54,752</td>
<td>$51,108</td>
<td>$52,503</td>
</tr>
</tbody>
</table>

* Income in advance includes an amount of $11,633,000 for special purpose grants (1995 $14,143,000) and $17,301,000 for 1997 HEFA funding in advance (1995 $16,900,000)

### 27. PROVISIONS

**Current provisions:**
- Employee superannuation entitlements | 10,973 | 11,328 | 10,973 | 11,328 |
- Annual Leave entitlements | 8,844 | 7,831 | 8,358 | 7,264 |
- Long Service Leave entitlements | 3,679 | 3,028 | 3,584 | 2,956 |
|                                | $23,496   | $22,187   | $22,915   | $21,548   |

**Non-current provisions:**
- Employee superannuation entitlements | 378,002 | 353,689 | 378,002 | 353,689 |
- Long Service Leave entitlements | 28,240 | 38,334 | 28,671 | 38,267 |
|                                | $406,742  | $392,023  | $406,673  | $391,956  |
28. OTHER LIABILITIES

Other current liabilities:
Incomplete project revenue

<table>
<thead>
<tr>
<th></th>
<th>1996 $'000</th>
<th>1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2,105</td>
<td>4,051</td>
</tr>
</tbody>
</table>

Other non-current liabilities:
Income in advance
Licences and royalties

<table>
<thead>
<tr>
<th></th>
<th>1996 $'000</th>
<th>1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income in advance</td>
<td>3,231</td>
<td>3,131</td>
</tr>
<tr>
<td>Licences and royalties</td>
<td>122,068</td>
<td>109,274</td>
</tr>
<tr>
<td>Total</td>
<td>$125,299</td>
<td>$112,405</td>
</tr>
</tbody>
</table>

29. BORROWINGS
Bank Loans - due for repayment:
(a) not later than one year,
(b) later than one year but not later than two years,
(c) later than two years but not later than five years

<table>
<thead>
<tr>
<th></th>
<th>1996 $'000</th>
<th>1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>(a)</td>
<td>8,000</td>
<td>8,000</td>
</tr>
<tr>
<td>(b)</td>
<td>7,000</td>
<td>7,000</td>
</tr>
<tr>
<td>(c)</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Total</td>
<td>$8,000</td>
<td>$12,000</td>
</tr>
</tbody>
</table>

In 1996 the University extinguished a $4,000,000 loan used for the purchase of Fenner Hall. A $3,000,000 loan drawn for the building of a parking structure on campus and $5,000,000 for the Asian Studies building has become due for repayment in 1997.

30. RECONCILIATION OF OPERATING RESULT TO NET CASH FLOWS FROM OPERATIONS

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Deficit of operating revenues</td>
<td>(782)</td>
<td>(6,133)</td>
<td>(1,015)</td>
<td>(6,887)</td>
</tr>
<tr>
<td>over expenses</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(before abnormal items)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depreciation and amortisation</td>
<td>35,287</td>
<td>31,638</td>
<td>34,933</td>
<td>31,313</td>
</tr>
<tr>
<td>of property, plant and</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>equipment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Loss on disposal of assets</td>
<td>721</td>
<td>670</td>
<td>721</td>
<td>670</td>
</tr>
<tr>
<td>Building maintenance</td>
<td>284</td>
<td>287</td>
<td>284</td>
<td>287</td>
</tr>
<tr>
<td>Provision for doubtful debts</td>
<td>155</td>
<td>(34)</td>
<td>155</td>
<td>(34)</td>
</tr>
<tr>
<td>Provision for employee</td>
<td>3,497</td>
<td>7,340</td>
<td>3,698</td>
<td>7,314</td>
</tr>
<tr>
<td>entitlements</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provision for employee</td>
<td>23,958</td>
<td>48,128</td>
<td>23,958</td>
<td>48,128</td>
</tr>
<tr>
<td>superannuation</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interest expense on</td>
<td>617</td>
<td>1,101</td>
<td>617</td>
<td>1,101</td>
</tr>
<tr>
<td>borrowings</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net (gain)/loss from the sale</td>
<td>695</td>
<td>(5,063)</td>
<td>695</td>
<td>(5,063)</td>
</tr>
<tr>
<td>of investments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unrealised (gain)/loss on</td>
<td>(18,799)</td>
<td>(27,497)</td>
<td>(18,799)</td>
<td>(27,497)</td>
</tr>
<tr>
<td>investments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Increase)/Decrease in</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>operating assets</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Receivables</td>
<td>3,946</td>
<td>1,134</td>
<td>4,065</td>
<td>(567)</td>
</tr>
<tr>
<td>Inventories</td>
<td>(1,115)</td>
<td>102</td>
<td>117</td>
<td>1</td>
</tr>
<tr>
<td>Other</td>
<td>(925)</td>
<td>(347)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Increase/(Decrease) in</td>
<td>(3,006)</td>
<td>(12,641)</td>
<td>(3,542)</td>
<td>(11,581)</td>
</tr>
<tr>
<td>operating liabilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creditors</td>
<td>11,102</td>
<td>11,869</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net cash flows from operating</td>
<td>$55,635</td>
<td>$50,554</td>
<td>$45,887</td>
<td>$37,185</td>
</tr>
<tr>
<td>activities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
31. COMMITMENTS FOR EXPENDITURE NOT BROUGHT TO ACCOUNT

Material capital expenditure payable:

(a) not later than one year;  
  1,006  14,603  1,006  14,603
(b) later than one year but not later than two years;  
  200  3,400  200  3,400
(c) later than two years but not later than five years after the end of the financial year.  
  400  400

Total capital expenditure commitments  
  $1,206  $18,403  $1,206  $18,403

Material lease and hire expenditure contracted for and payable:

(a) not later than one year;  
  353  272  353  216
(b) later than one year but not later than two years;  
  267  125  267  79
(c) later than two years but not later than five years after the end of the financial year.  
  182  180  182  42
(d) later than five years  
  688

Total lease and hire expenditure commitments  
  $802  $1,265  $802  $337

32. CONTINGENT LIABILITIES

Guarantees of $114,000 have been given to The Credit Union of Canberra Ltd for loans made to needy students. Guarantees of $194,000 have also been given to the Commonwealth Bank of Australia with respect to the Legal Workshop Loan Scheme.

The University is currently involved in two legal matters. In both of these matters the University expects a total maximum liability of $30,000.

The University has given a guarantee, on behalf of ANUTECH, for $111,000 of funds held in trust by ANUTECH for prepaid course fees which are subject to the Education Services for Overseas Student Act and the associated Tuition Assurance Scheme regulations. No liability is expected to arise.

ANUTECH has guaranteed $124,500 to unrelated parties in return for advance funding of projects based on conditions of the agreements. These guarantees are secured by term deposits. No liability is expected to arise.

ANUTECH is involved in one legal action. This action arises from a contract within ANUTECH’s normal course of business. Legal advice make the directors confident that ANUTECH’s position is sound. ANUTECH expects to be indemnified at least in part by its insurers.

33. AUDITORS’ REMUNERATION

Fees for audit services provided to the University by the Australian National Audit Office are estimated to be $227,000. Fees amounting to $19,000 for ANUTECH Pty Ltd and $111,000 for the University, were paid or are due and payable to Ernst and Young, Chartered Accountants, for audit and other services provided.
34. REMUNERATION OF EXECUTIVES

Fees are not payable to members of Council. Employees of the University who are members of Council do not receive remuneration for Council service other than their salaries. Directors of ANUTECH Pty Ltd, other than the Managing Director and the Manager, Technological Marketing Life Sciences Division, do not receive remuneration for their services.

The number of staff of the University whose total remuneration cost to the entity falls within the following bands in excess of $100,000 are

<table>
<thead>
<tr>
<th>Remuneration Band</th>
<th>1996 Number</th>
<th>1995 Number</th>
<th>1996 Number</th>
<th>1995 Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>$100,000 - $109,999</td>
<td>73</td>
<td>34</td>
<td>73</td>
<td>34</td>
</tr>
<tr>
<td>$110,000 - $119,999</td>
<td>22</td>
<td>16</td>
<td>22</td>
<td>16</td>
</tr>
<tr>
<td>$120,000 - $129,999</td>
<td>11</td>
<td>11</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>$130,000 - $139,999</td>
<td>10</td>
<td>11</td>
<td>10</td>
<td>11</td>
</tr>
<tr>
<td>$140,000 - $149,999</td>
<td>4</td>
<td>3</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>$150,000 - $159,999</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>$160,000 - $169,999</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>$170,000 - $179,999</td>
<td>3</td>
<td></td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>$180,000 - $189,999</td>
<td>2</td>
<td></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>$190,000 - $199,999</td>
<td>21</td>
<td></td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>$200,000 - $209,999</td>
<td>22</td>
<td></td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>$210,000 - $219,999</td>
<td>22</td>
<td></td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>$220,000 - $229,999</td>
<td>22</td>
<td></td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>$230,000 - $239,999</td>
<td>23</td>
<td></td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>$240,000 - $249,999</td>
<td>24</td>
<td></td>
<td>24</td>
<td></td>
</tr>
<tr>
<td>$250,000 - $259,999</td>
<td>1</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Aggregate remuneration:</strong></td>
<td>125</td>
<td>81</td>
<td>124</td>
<td>80</td>
</tr>
</tbody>
</table>

Members of Council during the year were:

Ms B Arndt (from 30 September 1996)
The Honourable Professor PE Baume
Dr AC Bennet (from 14 August 1996)
Ms PA Bleakley (from 26 May 1996)
Associate Professor EA Bourke
Professor RJ Campbell
Senator MA Colston
Dr ACB Delves (to 25 May 1996)
Dr MP Edmunds (to 29 September 1996)
Justice Mary M Finn
Miss PM Griffin
Mr IF Grigg (from 14 August 1996)
Professor BLN Kennett
Dr MS Keating (from 14 August 1996)
Mr W Mackerras (to 30 November 1996)
Mr JF Muir AO
Mr R O'Connor (from March to April 1996)
Professor RM Pashley (from 30 September 1996)
Professor MC Ricklefs (to 29 September 1996)
Professor AW Rodgers (from 19 February 1996)
Mr PM Ruddock (to 31 March 1996)
Mr N Snod (from 2 May 1996)
Mr DH Solomon
Professor RD Terrell
Senator JW Tierney (from 17 July 1996)
Mr M Tinning (from 1 December 1996)
Mr JV Townsend
Ms K Vella (to 1 May 1996)
Professor IR Wright
35. LAND

Australian Capital Territory

The major teaching and research facilities of the University are located on the Acton Campus site of 141 hectares and the Mt Stromlo site of 81 hectares. These sites are provided free of charge and held on lease in perpetuity. The use of this land is restricted to University activities. The value has not been assessed nor been brought to account as the University believes that the value of the land cannot be reliably measured (note 1.6.2).

Negotiations have commenced since the amalgamation of the Canberra Institute of the Arts with the University on 1 January 1992 to transfer to the University on lease, 4.443 hectares of land occupied by the Institute. The value has not been assessed nor brought to account.

The University occupies other sites of 225 hectares within the Australian Capital Territory on varying leasehold terms and conditions; likewise, these sites have not been brought to account.

New South Wales

The University owns 148 hectares of freehold land at Coonabarabran on which is located the Siding Spring Observatory and a further 3 hectares is held by the University at Coonabarabran under permissive occupancy. The value of this land has been brought to account.

The University owns 349 hectares of freehold land at Kioloa and 41 hectares of freehold land at Mongarlowe given to the University by individual donors for teaching and research purposes. The value of this land has been assessed and brought to account.

Northern Territory

The University occupies 26,500 hectares near Tennant Creek held on lease in perpetuity on which is located the Warramunga Seismic Station. The value has not been assessed nor been brought to account.

The University owns 4 hectares of freehold land at Darwin on which is located field research headquarters. The value of this land has been brought to account.

Fiji

The University occupies 1 hectare at Suva held on a 75 year lease from November 1965 which is used for field research purposes. The value of this site has not been assessed nor brought to account.

Papua New Guinea

The University occupies 2 hectares within Papua New Guinea held on varying leasehold arrangements for field research purposes. The value has not been assessed nor brought to account.
NOTES continued

36. SUPERANNUATION COMMITMENTS

36.1 Commonwealth Superannuation Account

The University maintains an account, on conditions approved by the Treasurer of the Commonwealth, to meet the employer's liability to the Commonwealth Superannuation Scheme.

Transfers are made to the account each fortnight in accordance with a predetermined formula approved by Council and based on advice from the Commonwealth Actuary. The University's contribution rate in 1996 was 14 per cent of eligible employee superannuable salaries. The University's 1996 contribution was $4,010,000 (1995 $4,178,000). Pensions are met on an emerging cost basis and paid to the Commonwealth Superannuation Administration. Pension payments amounted to $11,594,000 for 1996 (1995 $10,898,000).

An actuarial assessment was undertaken as at 30 June 1996. The results of the assessment have not been finalised.

The financial transactions and balances of the Commonwealth Superannuation Account have been included with the accounts of the University.

36.2 Supplementary Superannuation Scheme

The University terminated its Supplementary Superannuation Scheme on 30 June 1995. The pensioners in the Scheme together with the appropriate value of assets were transferred to the Superannuation Scheme for Australian Universities. The residual surplus in the Scheme of $8,288,000 was retained by the University (see note 18).

36.3 Superannuation Scheme for Australian Universities

New continuing staff members employed by the University since 1 April 1983 have been required to join the Superannuation Scheme for Australian Universities, a defined benefits scheme which is managed independently of the University. The University contributes to the Scheme at the rate of 14 per cent of members' salaries. The University's contributions in 1996 were $15,781,000 (1995 $14,538,000).

36.4 Public Sector Superannuation Scheme

The University has a number of employees who are members of the Public Sector Superannuation Scheme to which the University contributes at the rate of 12.4 per cent of members salaries. During 1996, the University's contributions amounted to $203,000 (1995 $212,000).

36.5 Employee Non Contributory Productivity Superannuation Schemes

The University's contributions for employees who are contributors to the Commonwealth Superannuation and Public Sector Superannuation Schemes are paid to the Commonwealth Superannuation Administration. During 1996, the University's contributions were $701,000 (1995 $755,000) and $41,000 (1995 $46,000) respectively.

The University pays contributions for eligible employees, other than employees who are contributors to the Commonwealth Superannuation and Public Sector Superannuation Schemes, to the Tertiary Education Superannuation Scheme. The University's contributions in 1996 were $4,400,000 (1995 $3,993,000).

36.6 National Mutual Tailored Superannuation Fund

The University became manager for the Cooperative Research Centre for Robust and Adaptive Systems from 1 July 1995. Ten staff were transferred to the University on this date. These staff were members of a tailored superannuation fund with National Mutual. The University contributes to this scheme at the rate of 11 per cent of members salaries. During 1996 the University's contributions amounted to $29,000 (1995 $19,000).
37. COOPERATIVE RESEARCH CENTRES

The University is receiving Commonwealth Funding under the Cooperative Research Centres Program for the establishment of the following Cooperative Research Centres:

**Plant Sciences** - a program for collaboration in research and development in the plant sciences with CSIRO and Groupe Limagrain Pacific Ltd to facilitate and undertake specific research and development and educational programs in plant biology. The University's contribution (representing 34 per cent of the total of the partners' contributions) in the form of staff and equipment resources will have a total approximate value of $10,470,000 over seven years from 1991. The Centre is administered by the University.

**Robust and Adaptive Systems** - a joint venture with CSIRO, Broken Hill Proprietary Company Ltd and the Sciences and Technology Organisation of the Department of Defence. The activities of the Centre are to conduct scientific and engineering research into Robust and Adaptive Signal Processing and Control Systems, to conduct engineering research training at several levels to meet perceived national needs and to provide a basis for development, commercialisation and technology transfer of the research conducted at the Centre. The University's contribution (representing 42 per cent of the total of the partners' contributions) in the form of staff and equipment resources will total $5,960,000 over six years from 1991. The Centre is administered by the University.

**Australian Photonics** - cooperative research with five research organisations, seven business partners and two government instrumentalities on the development of optical waveguide devices and photonic networks and systems for communications, information processing, sensing and industrial applications. The University's contribution (representing 8 per cent of the total of the partners' contributions) in the form of staff and equipment resources will total $3,066,000 over seven years from 1991. The Centre is administered by the University of Sydney.

**Biological Control of Vertebrate Pest Populations** - a cooperative research centre with the core participants being the CSIRO, the University, Agricultural Protection Board of Western Australia and the Department of Conservation and Land Management of Western Australia. The Centre is developing a new method of biological control that will reduce the birth rate of feral pests. The University's in kind contribution (representing 11 per cent of the total of the partners' contributions) will be $3,479,000 over seven years from 1993. The centre is administered by the CSIRO.

**Advanced Computational Systems** - an unincorporated collaborative venture with CSIRO, Digital Equipment Corporation, Fujitsu and Sun Microsystems. The mission of the centre is to establish an internationally competitive research capability in the area of high performance advanced computational systems. The University's contribution (representing 40 per cent of the total of the partners' contributions) in the form of staff and equipment resources will total $11,353,700 over seven years from 1993. The centre is administered by the CSIRO.

**Research Data Network** - a collaborative venture whose participants include the CRC for Advanced Computational Systems, Monash University, CSIRO, the CRC for Distributed Systems Technology, University of Queensland, AVCC, Siemens Ltd and Telstra Corporation Limited. The Centre will conduct research and education programs in areas relating to communications network technologies, applications and services. It will also support network infrastructure development, including the upgrade of the Australian Academic and Research Network, AARNet. The University's contribution (representing 13 per cent of the total of the partners' contributions) in the form of staff and equipment resources will total $1,533,546 over five years from 1994. The Centre is administered by Monash University.

**Landscape Evolution and Mineral Exploration** - a cooperative research centre with the core participants being the CSIRO, the University, the Australian Geological Survey Organisation, and the University of Canberra. The Centre is developing a framework for 3-D evolution of the Australian Landscape to improve the ability to recognise major new mineral deposits. The University's in-kind contribution (representing 13 per cent of the total of the partners' contributions) will be $5,175,000 over seven years from 1995. The Centre is administered by the CSIRO.
NOTES continued

37. COOPERATIVE RESEARCH CENTRES continued

*The Sustainable Development of Tropical Savannas* - a cooperative research centre with the core participants being the CSIRO, the University, the Northern Territory University and the Australian Nature Conservation Agency. The Centre's goal is to integrate research across a wide range of disciplines to ensure the optimal sustainable development of Australia's tropical savannas. The University's in-kind contribution (representing 6.1 per cent of the total of the partners' contributions) will be $2,734,200 over 7 years from 1996. The centre is administered by James Cook University.

Costs for all Cooperative Research Centres are expensed as incurred except where future benefits are expected beyond reasonable doubt to exceed these costs. In 1996 all costs were expensed.

During 1996 the Commonwealth Government indicated that funding for Cooperative Research Centres would cease for a number of these Centres in 1998.

38. SYNDICATED RESEARCH AND DEVELOPMENT

38.1 Syndicates 1 and 2

In December 1990 ANUTECH Pty Ltd entered into agreements with two syndicated research and development partnerships worth a total of $50,000,000.

Under the terms of the agreements the partnerships agreed to:
- provide funds for research for three years 1991-1993;
- acquire technology licences from ANUTECH Pty Ltd for $34,600,000.

The $34,600,000 received from the sale of the technology licences has been placed into a technology sinking fund (Note 24) along with accrued income earned (Note 24) and the profit component from the research and development for the duration of the agreements.

The agreements with each partnership contain a put option which gives each partnership the option of selling the technology licences back to ANUTECH Pty Ltd for a consideration equal to the accumulated balance of the technology sinking fund. A provision to purchase the technology licences has therefore been recorded (Note 28).

The partnerships are able to exercise their options during the period 31 January 1998 to 31 January 2003. ANUTECH Pty Ltd has entered into agreements with two indemnifiers who have agreed to meet any shortfall on the put option payment should either of the partnerships exercise their option.

38.2 Syndicate 3

In June 1992 ANUTECH Pty Ltd entered into agreements with a syndicated research and development partnership worth a total of $51,500,000.

Under the terms of the agreement the partnership agreed to provide research funding:
- provide funds for research for three years 1992-1995. The research funds for 1996 are disclosed in Notes 24, and 28;
- acquire technology licences from ANUTECH Pty Ltd for $33,800,000.

The $33,800,000 received from the sale of the technology licences has been placed into a technology sinking fund (Note 24) along with accrued income earned.

The agreement with the partnership contains a put option which gives the partnership the option of selling the technology licence back to ANUTECH Pty Ltd for a consideration equal to the accumulated balance of the technology sinking fund. A provision to purchase the technology licences has therefore been recorded (Note 28).

The partnership is able to exercise their option on 30 June 1997. ANUTECH Pty Ltd has entered into an agreement with an indemnifier who has agreed to meet any shortfall on the put option payment should the partnership exercise their option.
NOTES continued

39. RELATED PARTY DISCLOSURES

The University enters into a number of transactions for the provision of goods and services under normal commercial terms and conditions with student organisations based on campus.

40. SEGMENT INFORMATION

The Economic Entity operates predominantly in the Australian Capital Territory for the purpose of teaching and research.

41. ECONOMIC DEPENDENCY

The University is to a significant extent dependant on monies received pursuant to the Higher Education Funding Act 1988 to fund its operations. In 1996, funding from the Act ($219,532,000) represented 56 per cent (1995 53 per cent) of the total operating revenues (before abnormal items).
ANUTECH Pty Limited

A.C.N. 008 548 650
(Incorporated in the Australian Capital Territory)

Audited Financial Statements for the year ended 31 December 1996

Contents

Statutory Reports and Accounts
Director’s Report
Independent Auditor’s report
Directors’ statement
Profit and Loss account
Balance sheet
Cash Flow Statement
Notes to and forming part of the Accounts
The directors present their report on the results of ANUTECH Pty Limited for the financial year ended 31 December 1996, and the state of affairs of the Company at that date.

DIRECTORS

The directors in office at the date of this report are:

Mr Ronald Bruce Töpfer (Chairman)
Professor Brian David Outram Anderson
Mr Raymond Oswald Block
Mr Christopher William Burgess
Mr James Fulton Muir
Professor Richard Mark Pashley
Dr Andrew Rastawicki
Professor Ian Gordon Ross
Professor Susan Wyber Serjeantson

PRINCIPAL ACTIVITIES

The principal activities of the Company during the year were to undertake the marketing of the research and experimental work of The Australian National University, and there was no significant change in the nature of these activities during that period.

REVIEW OF OPERATIONS

ANUTECH's total operating revenue for the year was $43.9 million compared with $42.9 million the previous year.

The consolidated operating profit of ANUTECH Pty Ltd for the year ended 31 December 1996 was $97,927 ($582,623 in 1995).

Donations totalling $150,000 ($445,600 in 1995) were offered to the University.

The reduction in operating profit and donations offered to the University arose because of legal costs and expenditure on research and development written off during the year.

Management of large international development projects continued to form a major part of the company's business and new areas were explored in 1996. The highly regarded Nepal Australia Community Forestry Project entered its final stages. Management continued for the Kandrian Gloucester Integrated Development Project and the Papua New Guinea Human Resource Development Project.

ANUTECH expanded its program of short courses, with a strong emphasis upon building its reputation for quality programs in Australia and overseas. Courses presented in 1996 included: a suite of economics courses designed for officials, policy researchers and educators from countries undergoing economic and social reform, held in co-operation with the MBA Program; a series of five courses in the environment, natural resources and project planning and monitoring areas; study tours; and a range of courses held in Asian, Pacific Island and African countries.

The Education centre continued to increase its enrolments, and extended its marketing to more specifically target the private education market in Asia.

In the technology area, ANUTECH signed a $395,000 contract to build a 400 square metre Big Dish collector for Ben Gurion University in Israel, where it will be used for solar energy research.

The Big Dish system was formerly launched on 16 December at ANUTECH's Energy Research Centre, by the NSW Treasurer Mr Michael Egan MLA, who announced a pre-feasibility study to be co-funded by NSW
Government and Transfield Ltd. The study was to examine a 1 mW dish-based power plant in conjunction with an existing power plant, and a desalination demonstration system for the Sydney Olympics.

The first commercial HARE (Helicon Assisted Reactive Evaporation) machine was launched in Tokyo by Enya Systems Ltd. The HARE system, developed in the Research School of Physical Sciences and Engineering, and licensed to Enya through ANUTECH, is designed to be integrated into other systems to produce high quality films for microelectronic and other applications.

ANUTECH signed an agreement with Biodiscovery Ltd which will direct funds of approximately $2 million over three years towards research into and clinical trials of a potential diabetes vaccine.

The Technology Marketing group also managed a number of consultancies, in fields including veterinary medicine, laser technology and chemistry.

ANUTECH sold its total share holding in Virax Pty Ltd to Rancoo Ltd.

Australian Scientific Instruments (ASI) demonstrated its lead over its multinational competitors by installing, testing and commissioning a SHRIMP II microprobe at Hiroshima University in two and a half weeks in August. This achievement was due in no small part to the continuing close collaboration between ASI and the Research School of Earth Sciences, whose members were in Hiroshima for the testing and commissioning phase. The development and fabrication of the next generation of the SHRIMP RG continued according to schedule.

ASI acquired Paterson Instruments Pty Ltd near the end of 1996, and subsequently sold a High Pressure, High Temperature Testing Machine (HPT) to GeoForschungsZentrum (GFZ) in Germany.

Two MASIFs were exported in 1996, to Japan and Germany, and development continued on the Tribology Accessory for the instrument.

A Uni-Ball-Mill II was sold to SRI International Palo Alto, California.

Bibliotech and PCtech continued to serve their customers and to consult with various areas on campus to improve services to the ANU.

To sum up for 1996, the Company maintained its position in the market place, although profitability was reduced by unusual items. Considerable resources were invested in developing overseas marketplaces, including those for technology, instruments, training, and consultancy and management services.

INCOME TAX

The Company is exempt from income tax under Section 23 of the Income Tax Assessment Act 1936.

DIVIDENDS

Under its Memorandum and Articles of Association the Company is precluded from paying a dividend to the members.
SIGNIFICANT CHANGES IN THE STATE OF AFFAIRS

Except for the 100% acquisition of Paterson Instruments Pty Ltd, there were no significant changes in the state of affairs of the Company.

SIGNIFICANT EVENTS AFTER BALANCE DATE

There are no matters or circumstances that have arisen since the end of the financial year that have significantly affected or which may significantly affect the Company.

LIKELY DEVELOPMENTS AND EXPECTED RESULTS

The Company has forecasted a downturn in activity for 1997 but is positioning itself to take full advantage of opportunities. Difficulties will still be experienced in the technology marketing areas due to long time lags and the constraints of the international marketplace.

PARTICULARS OF DIRECTORS

<table>
<thead>
<tr>
<th>Name of Director</th>
<th>Qualifications, Experience and Special Responsibilities</th>
<th>Interest in Shares</th>
<th>Interest in Contracts</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brian David Outram ANDERSON A.O.</td>
<td>Bsc, BE, PhD, FIEEE, FAA, FTSE HonFIEAust, FRS, DHC Louvain, DHC ETH, HonDEng, Director Research School of Information Sciences and Engineering, ANU Director since January 1997</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Raymond Oswald BLOCK</td>
<td>Consultant, experienced in investment banking, environment management, and telecommunications Director since August 1996</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Christopher William BURGESS</td>
<td>BA (Hons) Pro Vice-Chancellor (Finance and Development) 1996 - present Deputy Principal (Policy and Planning) The University of Sydney 1994 - 1995 Director since April 1996</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>James Fulton MUIR A.O.</td>
<td>Member ANU Council and Chairman of ANU Finance Committee Director of WIN Television Past Chairman Canberra Development Board Past Chief Manager for ACT Westpac Banking Corporation Director since October 1988</td>
<td>Nil</td>
<td>Nil</td>
</tr>
<tr>
<td>Richard Mark PASHLEY</td>
<td>Bsc, DIS, PhD DIC Dean of the Faculty of Science, ANU Director since January 1997</td>
<td>Nil</td>
<td>Nil</td>
</tr>
</tbody>
</table>
PARTICULARS OF DIRECTORS (continued)

Name of Director | Qualifications, Experience and Special Responsibilities | Interest in Shares | Interest in Contracts
--- | --- | --- | ---
Andrew RASTAWICKI | Msc (Warsaw) PhD (Warsaw) Engineering Diploma (Warsaw) Manager Australian Scientific Instruments Division Director since July 1996 | Nil | Nil
Ian Gordon ROSS A.O. | MSc, PhD, FRACI, FAA Emeritus Professor Deputy Vice-Chancellor of the ANU 1977-1989 Pro Vice-Chancellor of the ANU 1989 -1990 Past Chairman Australian Research Grants Committee Foundation Director since September 1979 | Nil | Nil
Susan Wyber SERJEANTSON | BSc (NSW), PhD (Hawaii) Director Institute of Advanced Studies and Deputy Vice-Chancellor of the ANU 1996 - present Director since January 1996 | Nil | Nil
Ronald Bruce TOPFER | Barrister and Solicitor ACT, NSW and Victoria Nil Senior Partner, Mallesons Stephen Jaques 1981- 89 Past Chairman Valuation Review Board Past member ACT Law Reform Commission Grazier Director since September 1990 Chairman of Board since August 1991 | Nil | Nil

SHARE OPTIONS
No options for shares in the Company have been issued during the financial year and no options remain unexercised.

DIRECTOR'S BENEFITS
Since the end of the previous financial year no director of the Company has received or become entitled to receive any benefit, other than a benefit included in the aggregate amount of emoluments received or due and receivable by the directors shown in the consolidated accounts, by reason of a contract entered into by the Company or an entity that the Company controlled or a body corporate that was related to the Company when the contract was made or when the director received, or become entitled to receive the benefit, with:

- a director; or
- a firm of which a director is a member; or
- an entity in which a director has a substantial financial interest
INDEMNIFICATION AND INSURANCE OF DIRECTORS AND OFFICERS

During or since the financial year, the Company has paid premiums in respect of a contract insuring all the directors of ANUTECH Pty Ltd against costs incurred in defending:

(a) conduct involving a wilful breach of duty; or
(b) contravention of Sections 232(5) or (6) of the Corporations Law.

The total amount of insurance contract premiums paid was $7000. This amount is included as part of directors' remuneration in Note 22.

ROUNDING

The amounts contained in this report have been rounded off under the option available to the Company under section 311 and Regulation 3.6.05 of the Corporations Law and Regulations.

Signed in accordance with a resolution of the directors.

B. Topler
Director

J. Fulton Muir
Director

Canberra, 4 April 1997
Independent Auditor’s Report

To the Members
of ANUTECH Pty Limited

Scope

We have audited the financial statements of ANUTECH Pty Limited for the financial year ended 31 December 1996, as set out on pages 8 to 24, including the Statement by Directors. The financial statements include the accounts of ANUTECH Pty Limited, and the consolidated accounts of the economic entity comprising ANUTECH Pty Limited and the entity it controlled at year’s end. The company’s Directors are responsible for the preparation and presentation of the financial statements and the information they contain. We have conducted an independent audit of these financial statements in order to express an opinion on them to the members of the company.

Our audit has been conducted in accordance with Australian Auditing Standards to provide reasonable assurance as to whether the financial statements are free of material misstatement. Our procedures included examination, on a test basis, of evidence supporting the amounts and other disclosures in the financial statements, and the evaluation of accounting policies and significant accounting estimates. These procedures have been undertaken to form an opinion as to whether, in all material respects, the financial statements are presented fairly in accordance with Australian Accounting Standards, statutory requirements and other mandatory professional reporting requirements, so as to present a view which is consistent with our understanding of the company’s and the economic entity’s financial position, the results of their operations and their cash flows.

The audit opinion expressed in this report has been formed on the above basis.

Audit Opinion

In our opinion, the financial statements of ANUTECH Pty Limited are properly drawn up:

(a) so as to give a true and fair view of:

(i) the state of affairs as at 31 December 1996 and the profit and cash flows for the financial year ended on that date of the company and of the economic entity; and

(ii) the other matters required by Divisions 4, 4A and 4B of Part 3.6 of the Corporations Law to be dealt with in the financial statements;

(b) in accordance with the provisions of the Corporations Law; and

(c) in accordance with applicable Accounting Standards and other mandatory professional reporting requirements.

G R Applebee
Partner

Canberra
Date Opinion Formed and Signed: 8 April 1997
ANUTECH PTY LIMITED

STATEMENT BY DIRECTORS

In accordance with a resolution of directors of ANUTECH Pty Limited, we state that -

(1) In the opinion of the directors:

(a) the profit and loss account is drawn up so as to give a true and fair view of the profit of the Company for the financial year ended 31 December 1996;

(b) the balance sheet is drawn up so as to give a true and fair view of the state of affairs of the Company as at 31 December 1996; and

(c) at the date of this statement there are reasonable grounds to believe that the Company will be able to pay its debts as and when they fall due.

(2) In the opinion of the directors the consolidated accounts:

(a) give a true and fair view of:

(i) the profit of the economic entity, constituted by the Company and the entity it controlled during the financial year, for the financial year ended 31 December 1996; and

(ii) the state of affairs of the economic entity, constituted by the Company and the entity it controls at the year's end, as at 31 December 1996; and

(b) have been made in accordance with Divisions 4A and 4B of Part 3.6 of the Corporations Law.

On behalf of the Board

B. Topfer
Director

Canberra, 4 April 1997

J. Fulton Muir
Director
ANUTECH PTY LIMITED

PROFIT AND LOSS ACCOUNT
31 DECEMBER 1996

<table>
<thead>
<tr>
<th>Notes</th>
<th>CONSOLIDATED 1996 $'000</th>
<th>ANUTECH PTY LTD 1996 $'000</th>
<th>1995 $'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating revenue</td>
<td>2 43,992</td>
<td>43,901</td>
<td>42,882</td>
</tr>
<tr>
<td>Operating profit before abnormal items</td>
<td>2 807</td>
<td>861</td>
<td>656</td>
</tr>
<tr>
<td>Abnormal items:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i) Research expenditure written off</td>
<td></td>
<td>(287)</td>
<td>(287)</td>
</tr>
<tr>
<td>ii) Legal costs incurred relative to the protection of intellectual property.</td>
<td>2(iv) (423)</td>
<td>(423)</td>
<td>-</td>
</tr>
<tr>
<td>Operating profit</td>
<td>97</td>
<td>151</td>
<td>583</td>
</tr>
<tr>
<td>Retained profits at the beginning of the year</td>
<td>3,202</td>
<td>3,202</td>
<td>3,195</td>
</tr>
<tr>
<td>Adjustment resulting from Adoption of new Accounting Standard</td>
<td>-</td>
<td>-</td>
<td>(20)</td>
</tr>
<tr>
<td>Aggregate of amounts transferred from reserves</td>
<td>17 233</td>
<td>233</td>
<td>347</td>
</tr>
<tr>
<td>Total available for appropriation</td>
<td>3,532</td>
<td>3,586</td>
<td>4,105</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Donation provided for or paid to The Australian National University</td>
<td>1 (150)</td>
<td>(150)</td>
<td>(446)</td>
</tr>
<tr>
<td>Aggregate of amounts transferred to reserves</td>
<td>17 (119)</td>
<td>(119)</td>
<td>(457)</td>
</tr>
<tr>
<td></td>
<td>(269)</td>
<td>(269)</td>
<td>(903)</td>
</tr>
<tr>
<td>Retained profits at the end of the year</td>
<td>3,263</td>
<td>3,317</td>
<td>3,202</td>
</tr>
</tbody>
</table>

The Profit and Loss Accounts should be read in conjunction with the accompanying notes.
### ANUTECH PTY LIMITED

#### BALANCE SHEET
31 DECEMBER 1996

<table>
<thead>
<tr>
<th></th>
<th>CONSOLIDATED</th>
<th>ANUTECH PTY LTD</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1996 $'000</td>
<td>1996 $'000</td>
<td>1995 $'000</td>
</tr>
<tr>
<td></td>
<td>$'000</td>
<td>$'000</td>
<td>$'000</td>
</tr>
<tr>
<td><strong>CURRENT ASSETS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash</td>
<td>4 1,071</td>
<td>1,019</td>
<td>4,173</td>
</tr>
<tr>
<td>Receivables</td>
<td>5 2,601</td>
<td>2,831</td>
<td>2,777</td>
</tr>
<tr>
<td>Inventories</td>
<td>6 1,710</td>
<td>1,629</td>
<td>478</td>
</tr>
<tr>
<td><strong>TOTAL CURRENT ASSETS</strong></td>
<td>5,382</td>
<td>5,479</td>
<td>7,428</td>
</tr>
<tr>
<td><strong>NON-CURRENT ASSETS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Investments</td>
<td>7 17</td>
<td>18</td>
<td>147</td>
</tr>
<tr>
<td>Property, plant and equipment</td>
<td>8 7,542</td>
<td>7,539</td>
<td>7,839</td>
</tr>
<tr>
<td>Other</td>
<td>9 125,444</td>
<td>125,444</td>
<td>112,065</td>
</tr>
<tr>
<td>Intangibles</td>
<td>10 176</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>TOTAL NON-CURRENT ASSETS</strong></td>
<td>133,179</td>
<td>133,001</td>
<td>120,051</td>
</tr>
<tr>
<td><strong>TOTAL ASSETS</strong></td>
<td>138,561</td>
<td>138,480</td>
<td>127,479</td>
</tr>
<tr>
<td><strong>CURRENT LIABILITIES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Creditors and borrowings</td>
<td>11 2,759</td>
<td>2,749</td>
<td>2,222</td>
</tr>
<tr>
<td>Provisions</td>
<td>12 731</td>
<td>731</td>
<td>1,085</td>
</tr>
<tr>
<td>Other</td>
<td>13 2,203</td>
<td>2,078</td>
<td>4,147</td>
</tr>
<tr>
<td><strong>TOTAL CURRENT LIABILITIES</strong></td>
<td>5,693</td>
<td>5,558</td>
<td>7,454</td>
</tr>
<tr>
<td><strong>NON-CURRENT LIABILITIES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provisions</td>
<td>14 69</td>
<td>69</td>
<td>67</td>
</tr>
<tr>
<td>Other</td>
<td>15 125,299</td>
<td>125,299</td>
<td>112,405</td>
</tr>
<tr>
<td><strong>TOTAL NON-CURRENT LIABILITIES</strong></td>
<td>125,368</td>
<td>125,368</td>
<td>112,472</td>
</tr>
<tr>
<td><strong>TOTAL LIABILITIES</strong></td>
<td>131,061</td>
<td>130,926</td>
<td>119,926</td>
</tr>
<tr>
<td><strong>NET ASSETS</strong></td>
<td>7,500</td>
<td>7,554</td>
<td>7,553</td>
</tr>
<tr>
<td><strong>SHAREHOLDERS' EQUITY</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Share capital</td>
<td>16 2,000</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>Reserves</td>
<td>17 2,237</td>
<td>2,237</td>
<td>2,351</td>
</tr>
<tr>
<td>Retained profits</td>
<td>3,263</td>
<td>3,317</td>
<td>3,202</td>
</tr>
<tr>
<td><strong>TOTAL SHAREHOLDERS' EQUITY</strong></td>
<td>7,500</td>
<td>7,554</td>
<td>7,553</td>
</tr>
</tbody>
</table>

The Balance Sheet should be read in conjunction with the accompanying notes.
## ANUTECH PTY LIMITED

### STATEMENT OF CASH FLOWS

31 DECEMBER 1996

<table>
<thead>
<tr>
<th></th>
<th>CONSOLIDATED 1996</th>
<th>ANUTECH PTY LTD 1996</th>
<th>ANUTECH PTY LTD 1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Notes $'000</td>
<td>$'000</td>
<td>$'000</td>
<td>$'000</td>
</tr>
</tbody>
</table>

### CASH FLOWS FROM OPERATING ACTIVITIES

- **Project and sales revenue**: 23,730, 23,451, 27,757
- **Other income and recoveries**: 5,330, 5,394, 4,693
- **Payments to suppliers and employees**: (32,112), (31,892), (30,672)
- **Interest received**: 198, 196, 354
- **Interest on technology licence funds**: 12,979, 12,979, 11,588
- **Rent received**: 70, 70, 74

**NET CASH FLOWS FROM OPERATING ACTIVITIES**: 10,195, 10,198, 13,794

### CASH FLOWS FROM INVESTING ACTIVITIES

- **Purchase of shares**: -
- **Sale of shares**: 129, 129, -
- **Acquisition of controlled entity**: 19, 55, -
- **Acquisition of building and equipment**: (236), (236), (1,165)
- **Proceeds from sale of equipment**: 180, 180, 135
- **Cash outflow for term deposits**: (12,979), (12,979), (11,588)

**NET CASH FLOWS FROM INVESTING ACTIVITIES**: (12,851), (12,906), (12,648)

### CASH FLOWS FROM FINANCING ACTIVITIES

- **Donations to the ANU**: (446), (446), (425)

**NET CASH FLOWS FROM FINANCING ACTIVITIES**: (446), (446), (425)

### NET INCREASE/(DECREASE) IN CASH HELD

- **Cash held at 31 December 1995**: 4,173, 4,173, 721
- **Cash held at 31 December 1996**: 1,071, 1,019, 4,173

The Statement of Cash Flows should be read in conjunction with the accompanying notes.
NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of accounting

The financial report is a general purpose financial report which has been prepared in accordance with the requirements of the Corporations Law which include disclosures required by Schedule 5 and applicable Accounting Standards. Other mandatory professional reporting requirements (Urgent Issues Group Consensus Views) have also been complied with.

Principles of consolidation

The consolidated accounts incorporate the assets and liabilities of all entities controlled by ANUTECH Pty Limited as at 31 December 1996 and the results of all controlled entities for the year then ended. ANUTECH Pty Limited and its controlled entities together are referred to in this financial report as the economic entity. The effects of all transactions between entities in the economic entity are eliminated in full.

Where control of an entity is obtained during a financial year, its results are included in the consolidated profit and loss account from the date on which control commences. Where control of an entity ceases during a financial year its results are included for that part of the year during which control exists.

As the Company only acquired controlling interests in another entity during 1996 hence there is no need for prior period consolidated comparatives.

Property, plant and equipment

Cost and valuation

Property, plant and equipment are carried at cost or at independent valuation. Any surplus on revaluation is credited directly to the asset revaluation reserve and excluded from the profit and loss account.

Any gain or loss on the disposal of revalued assets is determined as the difference between the carrying value of the asset at the time of disposal and the proceeds from disposal, and is included in the result of the Company in the year of disposal.

Depreciation

Depreciation is charged on the Company's non-current assets under the prime cost method so as to write off the cost of the assets over their estimated useful lives.

Major depreciation periods are:
- Building 40 years
- Plant and equipment 3 to 10 years

Goodwill Amortisation

Goodwill is amortised by the straight line method over the period during which benefits are expected to be received. This is taken as being 20 years.

Cash

For the purposes of the statement of cash flows, cash includes cash on hand and in the bank, cash management trusts, commercial bills and term deposits.
31 DECEMBER 1996
NOTE 1: SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Investments
All investments are valued at Directors' valuation based on estimated market value at balance date.

The Company's interest in associated companies which are not controlled entities have been valued at Directors' valuation and dividend income is only taken into profit as it is received.

Associated companies are companies in which the Company exercises significant influence by holding shares and participating in financial and operating policies. Generally, the shareholding in associated companies represents 20% to 50% of the voting power.

Projects - project revenue and expenditure
The balance of funds available to meet expenditure in future years is carried forward as incomplete project revenues. Provision is made in the current year for any anticipated future losses on the projects.

Inventories
Inventories are valued at the lower of cost or net realisable value.

Costs incurred in bringing each product to its present location and condition are accounted for as cost of direct material and labour.

Employee entitlements
Provision is made for employee entitlement benefits accumulated as a result of employees rendering services up to the reporting date. These benefits include wages and salaries, annual leave and long service leave.

Liabilities arising in respect of wages and salaries, annual leave and any other employee entitlements expected to be settled within twelve months of the reporting date are measured at their nominal amounts. All other employee entitlement liabilities are measured at the present value of the estimated future cash outflows to be made in respect of services provided by employees up to the reporting date. In determining the present value of future cash outflows, the interest rates attaching to government guaranteed securities which have terms to maturity approximating the terms of the related liability are used.

Income tax
No provision for income tax has been made as the Company is exempt under Section 23 of the Income Tax Assessment Act 1936.

Donations and Gifts to The Australian National University
Under the Company's Memorandum and Articles of Association the Company is precluded from the payment of dividends to its shareholders. The articles provide for donations and gifts and these are considered an appropriation of profits rather than an expense of the Company.
Deferred income - Rental received in advance

Under the conditions of the lease agreement with the CSIRO dated 13 July 1990, rent will not be charged for the first two years of the twenty year term. As a result the rental income received in advance is brought to account as income from 1 January 1995 on an annual straight line basis for the remaining 18 years.

Deferred research and development costs

Research and development costs are expensed as incurred except where future benefits are expected, beyond any reasonable doubt, to exceed those costs. Where research and development costs are deferred such costs are amortised over future periods on a basis related to expected future benefits. Unamortised costs are reviewed at each balance date to determine the amount that is no longer recoverable and any amount so identified is written off.

Research donations

Funds donated to ANUTECH have been recognised as income in determining the profit for the year.
NOTE 2: REVENUE AND EXPENSES

Operating profit for the year has been arrived at after including:

(i) Operating revenue before abnormal items:

<table>
<thead>
<tr>
<th>Description</th>
<th>1996</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue from projects</td>
<td>19,235</td>
<td>19,235</td>
<td>19,013</td>
</tr>
<tr>
<td>Accrued income on technology licences investment</td>
<td>12,795</td>
<td>12,795</td>
<td>11,419</td>
</tr>
<tr>
<td>Sales</td>
<td>6,124</td>
<td>5,970</td>
<td>7,201</td>
</tr>
<tr>
<td>Project management fees and recoveries</td>
<td>5,330</td>
<td>5,394</td>
<td>4,693</td>
</tr>
<tr>
<td><strong>Total operating revenue</strong></td>
<td>43,484</td>
<td>43,394</td>
<td>42,326</td>
</tr>
</tbody>
</table>

Other operating revenue:

- Interest from unrelated corporations                  | 177     | 176     | 276     |
- Proceeds on sale of property, plant and equipment     | 180     | 180     | 135     |
- Rental revenue                                        | 151     | 151     | 145     |
- **Total other operating revenue**                     | 508     | 507     | 556     |

(ii) The following items of expenses:

- Provision for employee entitlements                   | 319     | 319     | 287     |
- Depreciation on building                              | 181     | 181     | 171     |
- Depreciation on property, plant and equipment         | 173     | 171     | 154     |
- Amortisation of goodwill                              | 5       |         |         |
- Rental - operating lease                              | 46      | 46      | 44      |
- **Total expenses on sale of property, plant and equipment and royalties** | 12,795  | 12,795  | 11,419  |

(iii) Profit/(loss) on sale of property, plant and equipment

<table>
<thead>
<tr>
<th>Description</th>
<th>1996</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Profit/(loss) on sale of property, plant and equipment</td>
<td>(4)</td>
<td>(4)</td>
<td>(1)</td>
</tr>
</tbody>
</table>

(iv) Abnormal Items:

The legal costs for defending the matter against Crestel Pty Ltd, have been incurred on the basis that 50% of the costs are covered by ANUTECH's Professional Indemnity insurers. This apportionment is currently under review by the insurers with a view to a possible increase of their share. If the insurers cover more than 50%, then monies will be refunded to ANUTECH and will be shown in the 1997 financial accounts.
31 DECEMBER 1996

NOTE 3: SYNDICATED RESEARCH AND DEVELOPMENT

Syndicates 1 & 2
In December 1990 ANUTECH Pty Limited entered into agreements with two syndicated research and development partnerships worth a total of $50m.

Under the terms of the agreements the partnerships agreed to:

(a) Provide funds for research for three years 1991-1993.

(b) Acquire technology licences from ANUTECH for $34.6m.

The $34.6m received from the sale of the technology licences has been placed into a technology sinking fund (Note 9) along with accrued income earned (Note 9) and the profit component from the research and development for the duration of the agreements.

The agreements with each partnership contain a "put option" which gives each partnership the option of selling the technology licences back to ANUTECH for a consideration equal to the accumulated balance of the "technology sinking fund". A provision to purchase the technology licences has therefore been recorded (Note 15).

The partnerships are able to exercise their options during the period 31 January 1998 to 31 January 2003.

ANUTECH has entered into agreements with two indemnifiers who have agreed to meet any shortfall on the put option payment should either of the partnerships exercise their option.

Syndicate 3
In June 1992 ANUTECH Pty Limited entered into agreements with a syndicated research and development partnership worth a total of $51.5m.

Under the terms of the agreement the partnership agreed to:

(a) Provide funds for research for three years 1992-1995.

(b) Acquire technology licences from ANUTECH for $33.8m.

The $33.8m received from the sale of the technology licences has been placed into a technology sinking fund (Note 9) along with accrued income earned (Note 9).

The agreement with the partnership contains a "put option" which gives the partnership the option of selling the technology licence back to ANUTECH for a consideration equal to the accumulated balance of the "technology sinking fund". A provision to purchase the technology licences has therefore been recorded (Note 15).

The partnership is able to exercise their option from 30 June 1997.

ANUTECH has entered into an agreement with an indemnifier who has agreed to meet any shortfall on the put option payment should the partnership exercise their option.
ANUTECH Pty Limited

CONSOLIDATED

ANUTECH PTY LTD

1996 1996 1995
Notes $'000 $'000 $'000

NOTE 4: CASH

Cash at bank and on hand 294 294 453
Deposit with cash management trusts 323 323 1,252
Commercial bills and term deposits 454 402 2,468

1,071 1,019 4,173

NOTE 5: RECEIVABLES

Trade debtors 2,291 2,291 1,987
Prepayment 96 96 78
Accrued interest - - 21

2,387 2,387 2,086

Amounts receivable from subsidiary - 230
Amounts receivable from The Australian National University 214 214 691

2,601 2,831 2,777

NOTE 6: INVENTORIES

Work-in-progress - at cost 1,047 966 -
Finished goods - at cost 663 663 478

1,710 1,629 478

NOTE 7: INVESTMENTS (NON-CURRENT)

(A) Not quoted on a prescribed stock exchange, at cost and Directors' valuation.

Shares in associated company (not controlled)
(i) Shares in Virax Pty Limited - - 129
(ii) Shares in Paterson Instruments Pty Limited - 1 1
(iii) Shares in APEG Pty Limited. 7 7 7

The investment by ANUTECH represents 33% of the issued ordinary shares of APEG Pty Ltd.

(B) Not quoted on a prescribed stock exchange, at cost
Share in Partnerships 10 10 10

17 18 147
### ANUTECH PTY LIMITED

#### NOTES CONTINUED

31 DECEMBER 1996

<table>
<thead>
<tr>
<th></th>
<th>CONSOLIDATED</th>
<th>ANUTECH PTY LTD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1996</td>
<td>1996</td>
</tr>
<tr>
<td>Notes $'000</td>
<td>$'000</td>
<td>$'000</td>
</tr>
</tbody>
</table>

#### NOTE 8: PROPERTY, PLANT AND EQUIPMENT

<table>
<thead>
<tr>
<th>Description</th>
<th>1996</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office furniture, fittings and equipment - at cost</td>
<td>845</td>
<td>833</td>
<td>796</td>
</tr>
<tr>
<td>Accumulated depreciation</td>
<td>(551)</td>
<td>(542)</td>
<td>(458)</td>
</tr>
<tr>
<td></td>
<td>294</td>
<td>291</td>
<td>338</td>
</tr>
<tr>
<td>Motor vehicles - at cost</td>
<td>414</td>
<td>414</td>
<td>497</td>
</tr>
<tr>
<td>Accumulated depreciation</td>
<td>(49)</td>
<td>(49)</td>
<td>(41)</td>
</tr>
<tr>
<td></td>
<td>365</td>
<td>365</td>
<td>456</td>
</tr>
<tr>
<td>Plant and equipment - at cost</td>
<td>168</td>
<td>168</td>
<td>165</td>
</tr>
<tr>
<td>Accumulated depreciation</td>
<td>(40)</td>
<td>(40)</td>
<td>(19)</td>
</tr>
<tr>
<td></td>
<td>128</td>
<td>128</td>
<td>146</td>
</tr>
<tr>
<td>Building and leasehold land- at cost</td>
<td>1,511</td>
<td>1,511</td>
<td>1,474</td>
</tr>
<tr>
<td>Building - at independent valuation 1995</td>
<td>5,750</td>
<td>5,750</td>
<td>5,750</td>
</tr>
<tr>
<td>Accumulated depreciation (building)</td>
<td>(506)</td>
<td>(506)</td>
<td>(325)</td>
</tr>
<tr>
<td></td>
<td>6,755</td>
<td>6,755</td>
<td>6,899</td>
</tr>
</tbody>
</table>

(a) Revaluation

The building owned by the Company at 31 December 1996 is restated to a valuation determined by Mr D Lovell, FAIV, at 31 December 1994. The valuation is an estimate of the amount the asset could be exchanged between a knowledgeable willing buyer and a knowledgeable willing seller in an arm's length transaction. The Company does not have a set policy for regular revaluation of buildings.

#### NOTE 9: OTHER ASSETS (NON CURRENT)

<table>
<thead>
<tr>
<th>Description</th>
<th>1996</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred research and development costs</td>
<td>1,227</td>
<td>1,227</td>
<td>828</td>
</tr>
<tr>
<td>Research and Development Syndicate:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technology licences fund - cash investment 3(a)&amp;(b)</td>
<td>73,070</td>
<td>73,070</td>
<td>73,070</td>
</tr>
<tr>
<td>Technology licence fund accrued income 3(a)&amp;(b)</td>
<td>51,147</td>
<td>51,147</td>
<td>38,167</td>
</tr>
<tr>
<td></td>
<td>125,444</td>
<td>125,444</td>
<td>112,065</td>
</tr>
</tbody>
</table>

#### NOTE 10: INTANGIBLES

<table>
<thead>
<tr>
<th>Description</th>
<th>1996</th>
<th>1996</th>
<th>1995</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goodwill</td>
<td>181</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Less: Provision for Amortisation of Goodwill</td>
<td>(5)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>176</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
### ANUTECH Pty Limited

**NOTES CONTINUED**

31 DECEMBER 1996

<table>
<thead>
<tr>
<th>Notes</th>
<th>CONSOLIDATED</th>
<th>ANUTECH PTY LTD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$'000</td>
<td>$'000</td>
</tr>
<tr>
<td>NOTE 11: CREDITORS AND BORROWINGS (CURRENT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trade creditors (unsecured)</td>
<td>2,151</td>
<td>2,141</td>
</tr>
<tr>
<td>Amounts payable The Australian National University (unsecured)</td>
<td>608</td>
<td>608</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,759</strong></td>
<td><strong>2,749</strong></td>
</tr>
<tr>
<td>NOTE 12: PROVISIONS (CURRENT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provision for employee entitlements</td>
<td>581</td>
<td>581</td>
</tr>
<tr>
<td>Provision for donation to The Australian National University</td>
<td>150</td>
<td>150</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>731</strong></td>
<td><strong>731</strong></td>
</tr>
<tr>
<td>NOTE 13: OTHER LIABILITIES (CURRENT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incomplete project revenue</td>
<td>2,105</td>
<td>1,980</td>
</tr>
<tr>
<td>Deferred income - rental received in advance</td>
<td>98</td>
<td>98</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2,203</strong></td>
<td><strong>2,078</strong></td>
</tr>
<tr>
<td>NOTE 14: PROVISIONS (NON-CURRENT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Provision for employee entitlements</td>
<td>69</td>
<td>69</td>
</tr>
<tr>
<td>NOTE 15: OTHER LIABILITIES (NON-CURRENT)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred income - rental received in advance</td>
<td>1,083</td>
<td>1,083</td>
</tr>
<tr>
<td>Deferred income - prepaid interest</td>
<td>2,148</td>
<td>2,148</td>
</tr>
<tr>
<td>Research and Development Syndicate: Provision to purchase technology licences and royalties</td>
<td>3(a)&amp;(b)</td>
<td>122,068</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>125,299</strong></td>
<td><strong>125,299</strong></td>
</tr>
<tr>
<td>NOTE 16: SHARE CAPITAL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Authorised capital</td>
<td>5,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Issued: 5,000,000 ordinary shares of $1.00 each</td>
<td>2,000</td>
<td>2,000</td>
</tr>
</tbody>
</table>
NOTE 17: RESERVES

(a) Building fund reserve
Balance 1 January 1996 200
Transfer (to) retained profits -
Transfer from retained profits -
Balance 31 December 1996 200

(b) Project development fund reserve
Balance 1 January 1996 233
Transfer (to) retained profits (233)
Transfer from retained profits - 370
Balance 31 December 1996 - 233

(c) Asset revaluation reserve
Balance 1 January 1996 1,369
Surplus/(loss) on revaluation of non-current assets -
Balance 31 December 1996 1,369

(d) Research donations reserve
Balance 1 January 1996 549
Transfer (to)/from retained profits 119
Balance 31 December 1996 668

Total Reserves 2,237

NOTE 18: EXPENDITURE COMMITMENTS

Lease expenditure contracted for but not otherwise provided for in these accounts.

Payable not later than one year 57 57 56
Later than one year and not later than two years 47 47 46
Later than two years and not later than five years 140 140 138
Later than five years 652 652 688

896 896 928

The lease expenditure commitments are predominantly owed to The Australian National University for the building site. The annual base lease payments are subject to CPI.
NOTE 19: STATEMENT OF CASH FLOWS

a) Reconciliation of cash
Cash balance comprises:
- cash at bank and on hand
- cash management trusts
- commercial bills and term deposits

<table>
<thead>
<tr>
<th>Notes</th>
<th>CONSOLIDATED</th>
<th>ANUTECH PTY LTD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1996 $'000</td>
<td>1996 $'000</td>
</tr>
<tr>
<td>cash at bank and on hand</td>
<td>294</td>
<td>294</td>
</tr>
<tr>
<td>cash management trusts</td>
<td>323</td>
<td>323</td>
</tr>
<tr>
<td>commercial bills and term deposits</td>
<td>454</td>
<td>402</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>1,071</strong></td>
<td><strong>1,019</strong></td>
</tr>
</tbody>
</table>

b) Reconciliation of the operating profit
to the net cash flows from operations

<table>
<thead>
<tr>
<th>Item</th>
<th>CONSOLIDATED</th>
<th>ANUTECH PTY LTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating profit</td>
<td>97</td>
<td>151</td>
</tr>
<tr>
<td>Depreciation</td>
<td>354</td>
<td>352</td>
</tr>
<tr>
<td>Provision for employee entitlements</td>
<td>(201)</td>
<td>(201)</td>
</tr>
<tr>
<td>Provision for amortisation of goodwill</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td><strong>Change in assets and liabilities</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Trade debtors</td>
<td>173</td>
<td>173</td>
</tr>
<tr>
<td>Prepayments</td>
<td>(17)</td>
<td>(17)</td>
</tr>
<tr>
<td>Accrued interest</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>Inventory</td>
<td>(1,232)</td>
<td>(1,151)</td>
</tr>
<tr>
<td>Subsidiary loan</td>
<td>-</td>
<td>(230)</td>
</tr>
<tr>
<td>Deferred expenditure</td>
<td>(399)</td>
<td>(399)</td>
</tr>
<tr>
<td>Intangibles</td>
<td>(240)</td>
<td>-</td>
</tr>
<tr>
<td>Trade creditors</td>
<td>568</td>
<td>558</td>
</tr>
<tr>
<td>ANU payments</td>
<td>(32)</td>
<td>(32)</td>
</tr>
<tr>
<td>Incomplete projects</td>
<td>(1,800)</td>
<td>(1,925)</td>
</tr>
<tr>
<td>Deferred income</td>
<td>103</td>
<td>103</td>
</tr>
<tr>
<td>Provision for purchase of technology licence</td>
<td>12,795</td>
<td>12,795</td>
</tr>
<tr>
<td><strong>Net cash flow from operating activities</strong></td>
<td><strong>10,195</strong></td>
<td><strong>10,198</strong></td>
</tr>
</tbody>
</table>
NOTE 19: STATEMENT OF CASH FLOWS (continued)

c) Acquisition of Controlled Entity
On 11 July 1996, ANUTECH acquired a further 70% of
the share capital of Paterson Instruments Pty Ltd, an
unlisted Australian company. The acquisition details are:

<table>
<thead>
<tr>
<th>Consideration</th>
<th>$'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>- shares issued</td>
<td>100</td>
</tr>
<tr>
<td>- cash paid</td>
<td>70</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>170</strong></td>
</tr>
</tbody>
</table>

Fair value of net assets acquired:

<table>
<thead>
<tr>
<th>Asset</th>
<th>$'000</th>
</tr>
</thead>
<tbody>
<tr>
<td>computers</td>
<td>4,470</td>
</tr>
<tr>
<td>WIP</td>
<td>50,043</td>
</tr>
<tr>
<td>cash</td>
<td>54,646</td>
</tr>
<tr>
<td>creditors</td>
<td>(290,071)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>(180,912)</td>
</tr>
<tr>
<td>Goodwill on acquisition</td>
<td>181,082</td>
</tr>
<tr>
<td><strong>Net Cash Effect</strong></td>
<td><strong>170</strong></td>
</tr>
</tbody>
</table>

Cash consideration | 70
Less: cash balance acquired | (54,646)

(54,576)

NOTE 20: EMPLOYEE ENTITLEMENTS AND
SUPERANNUATION COMMITMENTS

Employee Entitlements
The aggregate employee entitlement liability
is comprised of:

<table>
<thead>
<tr>
<th>Entitlements</th>
<th>ANUTECH PTY LTD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accrued wages, salaries and oncosts</td>
<td>102 581 69 752</td>
</tr>
<tr>
<td>Provisions (current)</td>
<td>102 581 69 752</td>
</tr>
<tr>
<td>Provisions (non current)</td>
<td>51 639 67 757</td>
</tr>
</tbody>
</table>
ANUTECH PTY LIMITED

NOTES CONTINUED

AT 31 DECEMBER 1996

NOTE 25: CONTINGENT LIABILITIES

Business undertaking
ANUTECH has guaranteed $124,500 to unrelated parties in return for advance funding of projects based on the conditions of the agreements. These guarantees are secured by deposits. No liability is expected to arise.

Legal Actions
ANUTECH is involved in one legal action. This action arises from a contract within ANUTECH's normal course of business. Legal advice make the directors confident that ANUTECH's position is sound. ANUTECH expects to be indemnified at least in part by its insurers.

NOTE 26: CONTROLLING ENTITY

The Australian National University is the beneficial shareholder of ANUTECH Pty Limited.

NOTE 27: RELATED PARTY DISCLOSURES

The names of the Directors of the Company during the financial year were:

- Mr Ronald Bruce Töpfer (Chairman)
- Dr Frans Arentz (resigned June 1996)
- Professor Allan Douglas Barton (resigned April 1996)
- Mr Raymond Oswald Block
- Mr Christopher William Burgess
- Mr John Wallace Morphett
- Mr James Fulton Muir
- Professor Charles Barry Osmond
- Dr Andrew Rastawicki
- Professor Ian Gordon Ross
- Professor Susan Wyber Serjeantson
- Professor Robin Barrington Stanton

No directors, other than fulltime employees of ANUTECH, received remuneration for their services.

ANUTECH provides a range of services to its controlling entity The Australian National University. These transactions take place on normal commercial terms and conditions.

Miscellaneous items of computer hardware and software were sold to directors and employees during the year. These transactions take place on normal terms and conditions.

Mr John Morphett is a Director of the associated companies APEG Pty Limited.

ANUTECH provides management services for APEG Pty Limited. These transactions are based on normal commercial conditions.