

2006

THE UNIVERSITY OF ADELAIDE
ANNUAL REPORT



PART ONE ANNUAL REVIEW

A MEMBER OF



Group of Eight

AUSTRALIA'S LEADING UNIVERSITIES

Life Impact The University of Adelaide

FOREWORD: FROM THE CHANCELLOR



In August, the University Council re-appointed Professor James McWha as Vice-Chancellor and President until the end of June 2012. Since his appointment in 2002, Professor McWha has built on the work of his predecessor by securing the University's financial base, strengthening its engagement with the community and increasing the number and diversity of international students.

During my visit to Singapore in April, which coincided with the Offshore Graduation Ceremonies, I had the great privilege to launch *The Southern Light – Enlightening and Enriching*, a publication by the Adelaide University Alumni Association Singapore which captures and celebrates all that is special and unique about the University of Adelaide experience.

In September, I visited Asia once again, this time to launch the inaugural International Open Days in Singapore and Kuala Lumpur which, like the ones here in Adelaide, provided potential students with an outline of the research and academic excellence for which the University of Adelaide is renowned, and highlighted the study experiences that the University provides.

In December, the University Council considered an independent report on the Alumni Association and noted the importance of recognising the central role of the Alumni to the University. In order to strengthen this role in the future, Council resolved to adopt the report's recommendations and integrate the current objectives and activities of the Alumni Association into the formal structure and operation of the University and to dissolve the Alumni Association.

I am pleased to report that the University's financial position is sound and that 2006 was a year of consolidation.

During 2006, the University Council considered an ambitious capital works project to upgrade and replace aging infrastructure across the North Terrace campus, which would allow the

University to provide state-of-the-art facilities for students and staff. The first elements of this project are starting to bear fruit, with the refurbishment of the Lower Napier Complex.

It was also pleasing to see that the Department of Education, Science and Training declared the University to be compliant with the National Governance Protocols, a set of requirements which higher education providers eligible for grants under the Commonwealth Grant Scheme must satisfy in order to receive increased funding over the three years 2005–2007.

Finally, I would like to acknowledge the work of all members of Council and its Sub-Committees who gave their time voluntarily. It has been a privilege to work with such a dedicated group of individuals and I look forward with pleasure to the year ahead.

Report of the Council of the University of Adelaide

For the period 1 January 2006 to
31 December 2006

To Her Excellency, the Honourable Marjorie Jackson-Nelson, AC, CVO, MBE Governor of South Australia.

May it please Your Excellency, I have the honour to transmit to you the Report of the Council of the University of Adelaide for the period 1 January 2006 to 31 December 2006, furnished in compliance with Section 25 of the University of Adelaide Act 1971 (28 July 2005).

A handwritten signature in dark ink, appearing to read 'John von Doussa', written in a cursive style.

THE HON JOHN von DOUSSA QC
Chancellor

TABLE OF CONTENTS:

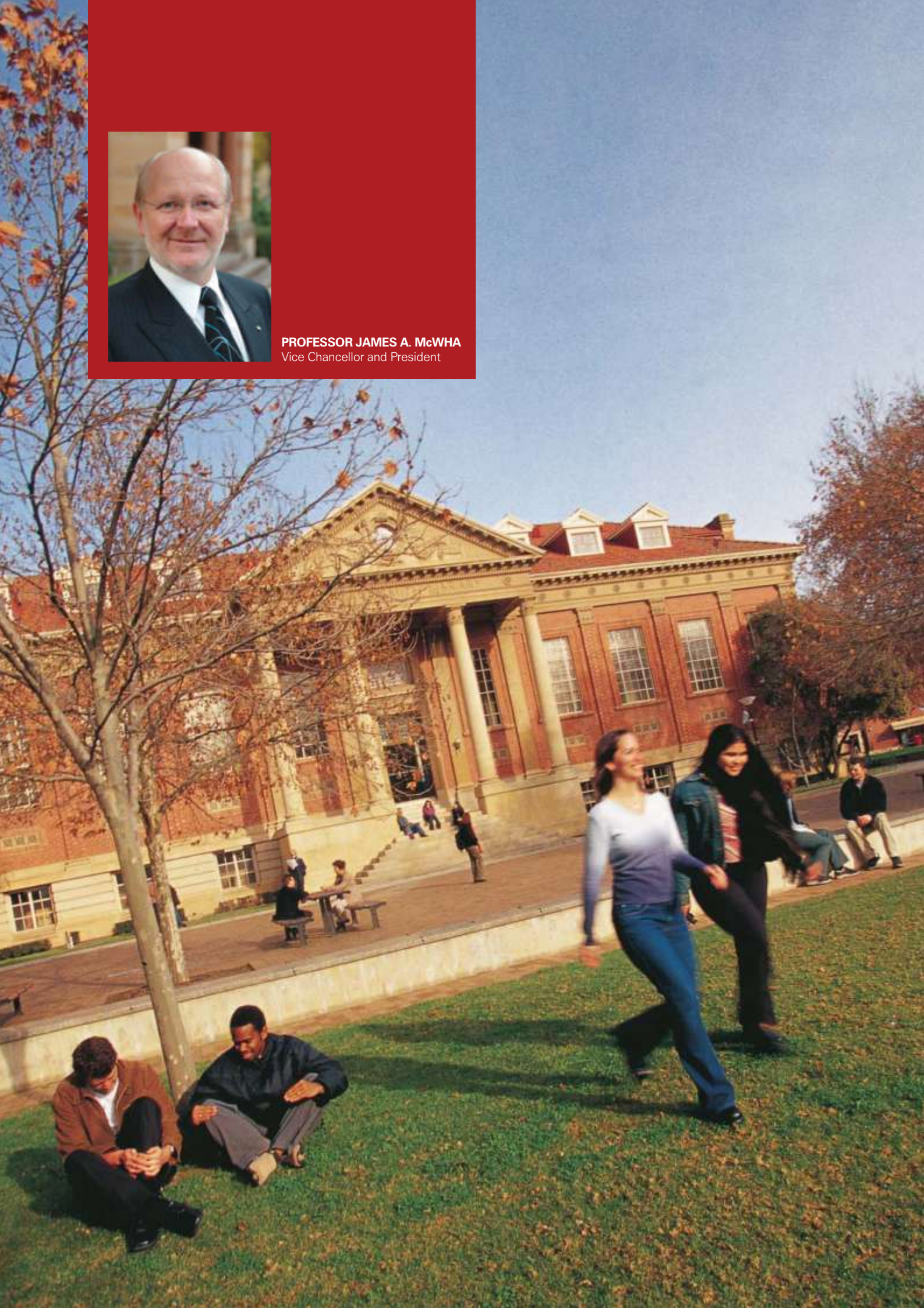
PART 1 – ANNUAL REVIEW

	From the Vice-Chancellor and President	2
	Mission, Vision and Values	4
	2006 at a glance	6
	Highlights of 2006	7
	Student Statistics	8
	Research Activity	8
	Staff Statistics	9
	Financial Performance	9
	Higher Education Environment	10
	Governance	14
	Planning and Quality	18
	Learning and Teaching	22
	Research and Research Training	30
	Internationalisation	44
	Community Engagement	52
	Property and Infrastructure	62
	Financial Overview	64

*The University's Financial Statements
can be found in Part 2: Financial Statements.*



PROFESSOR JAMES A. McWha
Vice Chancellor and President



FROM THE VICE-CHANCELLOR AND PRESIDENT

Three years of concerted planning came to fruition in April 2006 when the University of Adelaide hosted the Conference of Executive Heads of the Association of Commonwealth Universities (ACU). Held every three years or so, the Conference is distinctive for being solely for Vice-Chancellors, with a small invited representation from the wider higher education sector, business and Government.

The 2006 Conference was a signal occasion for the ACU, which has been grappling with the challenge of agreeing on a mission that commands the attention and commitment of a diverse membership of nearly 500 universities across the Commonwealth. The role of higher education in developing countries has clearly emerged as a priority for universities worldwide, especially in terms of addressing imbalance and inequality in economic and social structures, and redressing disadvantage in all its forms. I believe that the coming years will be defining for international associations of this kind.

In 2006, the University of Adelaide continued to build on the outstanding results achieved in 2004 and 2005.

Our total research income for 2006 continued the steady growth in research income that we have seen over the last few years. Awards of \$12.7 million from the Australian Research Council and more than \$35 million from the National Health and Medical Research Council represented respectively 69% and 74% of the total funding awarded to South Australian institutions by those bodies. This highlights the strong nature of the University's research expertise and its continuing position as the premier research university in the State. It is also pleasing to note that in 2006 contract research and consulting revenue reached



an unprecedented \$16.5 million, a 42% increase since 2004.

The University's student numbers continued to rise in 2006, with international students and postgraduate coursework numbers especially strong. International student load grew by 14.1%—an impressive result relative to the growth rate for all Australian universities combined, and an outcome which has seen the University close to reaching its Strategic Plan target for international student enrolments two years ahead of schedule. Postgraduate coursework numbers rose by almost 3%.

The high reputation in which our staff and students are held by external bodies is evidenced by the many awards and award nominations received throughout 2006—among them, to name only a few, the Premier's Science Excellence awards, the Tall Poppy awards, the Young Achiever awards, the Young Investigator awards, and the Bright Sparks awards.

It was also very pleasing to see the University's excellence in teaching and learning recognised in the 2006 Carrick Awards for Australian University Teaching, which saw seven staff receive Citations. In addition, Associate Professor Holger Maier won an Australian University Award for Teaching Excellence, while Professor Geoff Crisp received a Carrick Associate Fellowship for excellence in learning and teaching—one of only eight such Fellowships awarded nationally, and the only one in South Australia.

Both nationally and internationally, Australian universities face many challenges and we can never afford to rest on our laurels. Nonetheless, I believe the University of Adelaide can feel pleased with what it has achieved in 2006, and confident about the future. I acknowledge the dedication and commitment of the many academic and professional staff of the University who have made that possible.



MISSION, VISION AND VALUES

MISSION

To be an Australian leader in research and teaching of excellence, unequalled in the positive impact our university has on the lives of our students, staff and alumni as well as the local, national and international community.

VISION

The University of Adelaide will build upon its tradition of innovation through high-impact research and excellent teaching across a broad range of disciplines and professions. It will be a growing, internationally-focussed and financially sustainable institution, enterprising in its approach to new opportunities as they arise but clear and consistent in its essential directions. It will provide a vibrant intellectual environment that will be satisfying for staff and rewarding for students, engendering in the whole University community a sense of pride in our association with the University and in what we do.

VALUES

1. We will follow the pursuit of excellence in all that we do

The achievement of the vision will require that the whole University community remains committed to the highest intellectual and ethical standards in teaching and learning, research and research training, and the conduct of all our professional activities.

2. We will act with fairness, integrity and responsibility

The University supports the principles of social justice, equality of opportunity and cultural diversity, and seeks to implement these in the conduct of its activities and relationships. The University of Adelaide has reaffirmed its commitment to a vision for a united Australia, expressed in our July 2003 Statement of Reconciliation: <http://www.adelaide.edu.au/pr/docs/reconciliation.html>

3. We will respect the rights and responsibilities of freedom of inquiry and expression

Dispassionate, rigorous and honest intellectual inquiry is at the core of academic traditions, and should be reflected throughout our research, scholarship, education and management.

4. We will provide service to the local, national and international communities

Universities exist by the will of the communities of which they are a part. Shaping, recognising, and responding to community needs and expectations are essential to the mutual obligations that ensue from this relationship.

5. We will encourage innovation, creativity and breadth of vision

The University's core characteristics of research intensity and high quality education across a broad discipline range depend on attitudes that actively encourage the creation of new knowledge and the preparation of students to impact positively at local, national and international levels.

These values arise from our understanding of our individual roles within the University and of the community we seek to create.



2006 AT A GLANCE

SOME HIGHLIGHTS OF 2006

January

- Students big winners in \$300,000 expansion of North Terrace Sports Hub
- Adelaide postgraduates win 5 of the 13 Endeavour Australia Cheung Kong Awards funded by the Federal Government and the Cheung Kong Group

February

- Final stage of 400-bed student accommodation facility in Grote St, The Village, opened by the Governor, The Honourable Marjorie Jackson-Nelson
- Adelaide researcher in international expedition team discovers a “lost world” of exotic fauna in remote area of the Indonesian province of Papua
- Cancer research boosted by \$3 million Proteomics Centre on North Terrace campus

March

- Barley Breeding Program releases two new barley varieties likely to provide major gains in yield and disease resistance
- Premier Mike Rann launches University’s new heritage frontage
- Announcement of new Master of Business Strategy program designed to give experienced business leaders a competitive edge

April

- University hosts 300 university leaders from 30 countries for Association of Commonwealth Universities’ triennial Conference of Executive Heads
- Adelaide graduate Amanda Sferruzzi-Perri named Young South Australian of the Year
- Final year Mechanical Engineering students launch plans to build biodiesel motorbike
- 432 new graduates at offshore ceremonies in Singapore, Malaysia and Hong Kong

May

- Historic agreement with China’s Tsinghua University to establish twinning programs in Commerce, Economics and Finance
- Announcement of feasibility study for veterinary science school at Roseworthy
- New Computational Neuroscience Research Cluster an Australian first
- Opening of Centre of Expertise in Photonics

June

- Highly successful University spin-off venture Repromed sold to Adelaide Fertility Centre Pty Ltd
- Professor Fred McDougall appointed Deputy Vice-Chancellor (Academic)

July

- New Bachelor of Engineering (Mining) degree to begin in 2007
- Seven Adelaide staff receive national citations for excellence in teaching
- Federal Government allocates an additional 40 places to Medical School for 2007, plus 45 places for nursing, clinical psychology and mental health

August

- Plant disease researcher Dr Amanda Able is South Australia’s Tall Poppy of the Year
- Australian Centre for Ancient DNA officially opened by SA Premier Mike Rann
- Associate Professor David Paton wins Premier’s Science Excellence Award for the impact of his research on the public good
- August graduation ceremonies see 1213 new graduates

September

- University of Adelaide and Ohio State University to lead multi-million dollar research project on parasitic wasps
- Life Impact and Open Day marketing campaigns win three of the six South Australian marketing excellence awards of the Australian Marketing Institute

October

- International scientific team led by Dr Adrienne Paton makes world breakthrough in gastrointestinal disease research
- SA Minister for Health opens major facility for researchers in obstetrics, gynaecology, paediatrics and reproductive health
- University wins more than \$12.7 million in new funding from Australian Research Council, and \$35 million from National Health and Medical Research Council
- Medicine/Arts student Nicole Krzys becomes the University’s 100th Rhodes Scholar
- University announces additional one million dollars for student scholarships to retain the brightest students in South Australia

November

- New Master of Marine Engineering program an Australian first
- \$25 million in State and Federal funding for University-led, collaborative plant research facility
- Centre for Defence Communications and Information Networking launched

December

- University wins \$1.34 million from Federal Government’s Learning and Teaching Performance Fund
- New integrated alumni model adopted
- Adelaide graduates Gemma Sharp and Owen Siggs win two of the eight prestigious Monash Awards available nation-wide for 2007
- University has 3731 new graduates after December commemoration ceremonies

STUDENT STATISTICS

	Persons		EFTSL	
	2006**	2005	2006**	2005
Total Student Enrolments	19646	19224	15256	14955
Commencing* Student Enrolments	7189	6852	5283	5041
Aboriginal & TS Islander Students	124	125	102	101
International Students - onshore	4195	3638	3565	3065
International Students - offshore	730	786	352	368
By Level of Program				
Postgraduate Research	1842	1779	1317	1271
Postgraduate Coursework	3773	3673	2012	1896
Bachelor Degrees	13084	12934	11420	11326
Other	947	838	507	462
By Faculty				
Engineering, Computer & Maths Sciences	3444	3379	2770	2717
Health Sciences	2882	2780	2265	2189
Humanities and Social Sciences	3711	3723	2797	2977
Sciences	2932	3040	2356	2396
Professions	6203	5903	4779	4457
Central Areas	474	399	289	219
By Campus				
North Terrace (includes hospitals)	17641	17280	14049	13801
Roseworthy	210	222	177	183
Thebarton	30	33	15	16
Waite	367	421	295	327
Other Australian	677	504	371	268
Offshore	721	764	348	359
By Gender				
Female	9413	9288	7320	7272
Male	10233	9936	7936	7683
By Attendance Type				
Full Time	14512	14074	12436	13098
Part Time	5134	5150	2820	1857

* Commencing year refers to calendar year due to HEIMS reporting requirement changes

** Preliminary Figures based on 2006 Student Submissions

Source: DEST 2005–2006 Student Data Collection

RESEARCH ACTIVITY

Research Income	2006* \$000	2005 \$000	2004 \$000	2003 \$000
Australian Competitive Research Grants	62,038	56,264	50,920	47,763
Other Public Sector Research Income	27,462	25,887	19,781	16,612
Industry & Other Funding for Research	18,169	13,016	17,090	17,454
Cooperative Research Centres	6,813	6,684	6,193	5,049
Total University Research Income	114,482	101,851	93,984	86,878

* Preliminary data
Source: DEST 2003–2005 Higher Education Research Data Collection

Research Block Funding	2007 \$000	2006 \$000	2005 \$000	2004 \$000
Institutional Grant Scheme	16,500	16,371	16,311	15,951
Research Infrastructure Block Grant	13,820	14,248	13,773	12,194
Research Training Scheme	28,989	29,757	29,640	29,161

STAFF STATISTICS

	Persons		FTE	
	2006	2005	2006	2005
Total Staff	2665	2528	2423	2291
Academic	1207	1144	1094	1033
Professional	1458	1384	1329	1258
Casual	n/a	n/a	n/a	382
Academic Staff by Faculty				
Engineering, Computer & Maths Sciences	176	170	172	165
Health Sciences	327	316	273	262
Humanities and Social Sciences	174	169	154	148
Sciences	361	338	342	321
Professions	141	121	126	109
Central Areas	28	30	27	28
Academic Staff by Function				
Teaching and Research	815	793	730	706
Research Only	381	342	354	318
Teaching Only	2	2	2	2
Other	9	7	9	7
Academic Staff by Gender				
Female	405	396	355	341
Male	802	748	739	692

Note:
Fulltime and Fractional Fulltime
Staff Statistics as at 31 March

Casual staff figures for calendar year

Source: DEST 2005 & 2006
Staff Data Collection

FINANCIAL PERFORMANCE

	Consolidated		University	
	2006 \$000	2005 \$000	2006 \$000	2005 \$000
INCOME STATEMENT				
Revenue	515,684	465,038	474,385	437,881
Expenses	476,770	427,671	439,007	399,689
Operating Result	38,914	37,367	35,378	38,192
Margin	7.5%	8.0%	7.5%	8.7%
BALANCE SHEET				
Net Assets	787,043	748,931	777,445	742,016
Current Ratio	2.2	2.1	2.1	2.1
Cash at end of reporting period	120,805	86,585	95,344	72,092

The University achieved a consolidated operating result of \$38.9 million in 2006, compared with an operating result in 2005 of \$37.4 million. This is an excellent achievement, supported by continued growth in student numbers and research performance, which has enabled the University to invest in teaching and research quality and a sustainable program of capital works to enhance the University's infrastructure and student campus experience.



HIGHER EDUCATION ENVIRONMENT

Many factors with the potential to have a significant impact on the University were at play in the external educational environment in 2006.



Sectoral Diversity

The Commonwealth government continues to encourage an increased level of differentiation in institutional directions, such as the consideration of teaching-only missions. As a consequence, the Australian Vice-Chancellors' Committee (AVCC) is finding it increasingly difficult to represent the agendas of all of its members meaningfully. Most Australian universities are now forming alternative formal alignments, such as the Group of Eight, the Innovative Research Universities, the Australian Technology Network, and the New Generation Universities. These trends will further encourage universities to consider their unique identities and position themselves in the market place accordingly.

Deregulation and competition

The introduction of "top-up fees", the expansion of undergraduate fee-paying options, the introduction of HECS-style loans for fee-paying postgraduate courses and the accreditation of foreign

teaching-only campuses like Carnegie Mellon University are setting new trends in deregulation, though this new flexibility is still bound by rules and regulations. The sector is becoming more competitive and more "customer-driven" as a result.

There is an increasing level of interest in the Higher Education sector by the South Australian Government, with the State Government's SA Strategic Plan articulating several targets specifically focused on Higher Education in this state. The Higher Education Council has been established to provide a mechanism for aligning and achieving State/university goals. The Government is especially keen to have more international universities establish campuses in Adelaide. Carnegie Mellon University was the first of such universities and the UK's Cranfield University, a leader in Defence research and postgraduate and professional education, is now developing strategic partnerships with both the University of Adelaide and the University of South Australia.

Department of Education, Science and Training (DEST) Learning and Teaching performance fund

Allocations under this fund were made for the first time in 2005 for 2006, with the intention of rewarding universities "that best demonstrate excellence in learning and teaching". Funds were allocated according to indicators based on the 2004 Course Experience Questionnaire (CEQ) and Graduate Destination Survey (GDS), and relevant DEST statistics. The initial methodology for this funding was severely criticised and was changed for the 2006 round. Under the revised method Adelaide received \$1.34 million in funding, after having had the highest increase in overall student satisfaction and taking the number one place for Bachelor degree students going on to further full-time study. Ongoing improvements in student satisfaction will be critical in continuing to advance the University's performance against the fund's measures.



Proposed introduction of research quality framework (RQF)

In line with the Commonwealth Government's increasing tendency towards establishing performance-based funding measures, the RQF will result in major changes to the way research is funded in the sector. A key component of this model is the intention to distribute research funding based on the quality and impact of research. The measures for determining research excellence are still to be determined but will require the implementation of systems to measure quality and an increased emphasis on performance. The University has responded to this challenge by preparing an institutional framework to handle the potential introduction of the RQF. However, the Federal Labour opposition has indicated that they would scrap plans for the RQF if elected to office. If the proposal does go ahead, the demand for the best Australian and international researchers will continue to rise.

Introduction of Voluntary Student Unionism (VSU)

The Federal Government's legislation ending compulsory membership of student unions came into effect on 1 July 2006. While VSU has decimated the range of student services offered to students at other universities, its effect at Adelaide has been limited at this stage due to the level of support provided to maintain the most crucial services. The services have been critical in influencing student experience of study and any significant decline could affect the relative desirability of the University's programs in a national and global context.

Local student demand/national labour and skills shortages/demographics

Across the country, domestic student demand for university places has declined, while State and Federal Governments have been putting more resources into apprenticeships and vocational education. The strength of the economy has led to a marked decline in unemployment and a consequent improvement in job prospects for young people. Demographic predictions indicate that Year 12 enrolments in South Australia will continue to decrease. The ability of the University to maintain student numbers is therefore at risk but this risk is being managed carefully.

International demand

Australia-wide, the rate of international student growth has declined to some extent, though not uniformly. The University of Adelaide has gone against that trend and continues to exceed its commencing load targets. Visa regulations may explain this in part, but other factors are less clear. Australian immigration regulations give bonus points to potential immigrants whose qualification is attained at a university in regional Australia or a low-growth metropolitan area, such as Adelaide. Other countries are reviewing their immigration laws. The US, UK and France have each moved to tighten their student visa laws in the past, but there is evidence that this trend may be reversed, undermining Australia's relative competitiveness.



Rapid growth of Chinese and Indian markets

The rise of China and India as economic powerhouses has been dramatic, with the Australian economy benefiting primarily through China's increasing demand for energy and mineral resources. The South Australian Government has made mining a significant focal point for development in the coming years and the University has responded with an increased emphasis on mining-related research and teaching. Further opportunities for export of our education and research capabilities still exist. However, as these economies continue to mature, demand levels could change as a result of a growing emphasis by their governments on building their own internal capacity to provide tertiary study.

Growing significance of international ranking mechanisms

There is an increasing trend towards the production of worldwide university rankings. Examples include those produced by the *Times Higher Education Supplement*, and the Shanghai Jiao Tong University. Poor performance in these rankings will undermine an institution's attractiveness to international students, staff, and in attracting international research dollars. Though their methodologies can be questioned it is true that they can have an impact on perceptions of a university's brand.



GOVERNANCE

National Governance Protocols

In 2005 the University moved to ensure its compliance with the Commonwealth Government's National Governance Protocols. These are a set of requirements which higher education providers eligible for grants under the Commonwealth Grant Scheme must satisfy in order to receive increased funding over the three years 2005–2007.

The University of Adelaide Act 1971 was amended in 2005 to give effect to the requirement of National Governance Protocol 6 that Council members' terms "...should not generally exceed 12 years unless otherwise specifically agreed by the governing body". In 2006 the University strengthened its compliance with the Protocols by amending its *Rules for the Election of Council Members*. Additions to the Rules include a new section dealing with ineligibility to nominate for election as a member of Council due to the 12 year limit and also provide for a process by which a person who would exceed the 12 year limit may apply for Council's permission to nominate.

The Department of Education, Science and Training has declared the University to be compliant with the National Governance Protocols.

Pursuant to the University of Adelaide Council Induction, Professional Development and Performance Review Statement, a workshop on the governance of strategy in higher education was held on 21 August 2006.

The workshop focused on Council's role in guiding the University's future in a complex environment.

Risk Management

The University has completed further work on risk management and conducted its annual review. The updated risk register was endorsed by the Audit, Compliance and Risk Committee and noted by Council.

The Internal Audit Plan was developed from the Risk Management Plan and has been approved by Council.

The University's risk profile remains low to moderate. The University has focused on those areas at the highest end of the spectrum, being brand and reputation, and teaching and learning.

Powers of the Council and the Vice-Chancellor

An on-line version of the register of delegations and authorities was developed and made available through the University's website.

Annual Meeting

The annual meeting of the University community was held on 20 February 2006. The meeting was addressed by both the Chancellor and the Vice-Chancellor and was well attended by members of the University community.

Elections

Elections were held for graduate, student and staff members of Council.

Changes to Alumni arrangements

A review of alumni arrangements was carried out by PhillipsKPA Pty Ltd. The Council agreed that the current objectives and activities of the Alumni Association are to be integrated into the formal structure and operations of the University and to dissolve the Alumni Association.

New senior management structure

On 29 September 2006, the Vice-Chancellor and President approved a new senior management structure which came into effect on 1 January 2007.

Re-appointment of Vice-Chancellor

The Council extended the Vice-Chancellor's initial five-year contract until the end of June 2012.

Moderisation and simplification of legislative structure

The Council is empowered by the *University of Adelaide Act 1971* to make statutes and rules. The University has embarked on a process of simplifying its statutes and, wherever possible, providing for the regulation of various matters through rules.

This process continued in 2006 with the revocation of Statute Chapter 7 – Of the Seal of the University and its replacement with the *Rule for the Use of the University Seal and for the Execution of Documents*. At the time of writing, the revocation of Statute Chapter 7 and the allowance of the rule were awaiting confirmation by the Governor.

Approval of University budget

Council approved the University Budget for 2007 at its meeting on 4 December 2006.

Controlled entities

The Council, through its Finance Committee, considered the quarterly management plans of controlled entities during 2006 and approved their budgets for 2007. Council also approved a reporting timetable for controlled entities for 2007.

Mid-term review of the University Strategic Plan

Council conducted a mid-term review of the University's Strategic Plan which affirmed the continuing relevance of principal goals, identified new and merging priorities, and set a range of new targets.

Honorary degrees

In 2006 Council awarded the University's degree of Doctor of the University (*honoris causa*) to two distinguished candidates. Mr Ed McAlister AO, former Chief Executive Officer of the Royal Zoological Society of South Australia, was awarded the honorary doctorate for his contribution to animal conservation, the environment and the community, and for his distinguished scholarly achievement. The former Royal Commissioner into Aboriginal Deaths in Custody, the Hon. Elliott Frank Johnston AO QC, was admitted to the degree of Doctor of the University (*honoris causa*) for his pursuit of justice and equality for indigenous Australians.

Mr John Mayfield

The University Council was saddened by the death, in November, of one of its new members, Dr John Mayfield. Dr Mayfield was elected to serve on the Council by the graduates of the University and was very well-known and highly regarded in the South Australian education community.

COUNCIL MEMBERSHIP

In 2006 the Council comprised:

Ex-officio Members:

- **The Hon. John von Doussa QC** – Chancellor
- **Professor James McWha** – Vice-Chancellor
- **Professor Charles Bodman Rae** – Presiding Member and Chair of the Academic Board

Appointed members:

- **Mr Ross Adler AO**
- **Mr Charles Bagot**
- **Ms Kate Castine**
- **Mr Brian Croser AO** (Deputy Chancellor)
- **Mr Ian Kowalick**
- **Ms Pamela Martin**
- **Mr Stephen Young**

Co-opted Members:

- **The Hon. Gregory Crafter**

Elected members

Academic Staff:

- **Dr Rodney Crewther**
- **Dr Peter Gill**

General Staff:

- **Mr John Cecchin**
- **Ms Rosslyn Cox**

Students:

- **Mr Rowan Nicholson** (until 5 March 2006)
- **Ms Felicity Rai** (until 5 March 2006)
- **Mr David Pearson** (until 5 March 2006 – under Statutes Amendment (Universities) Act 2005, Sch1 – Transitional Provisions Section 2(1))
- **Mr Aaron Russell** (from 6 March 2006)
- **Ms Jessica Cronin** (from 6 March 2006)
- **Dr Matthew Athanassiadis** (from 6 March 2006)

Graduates:

- **Ms Mia Handshin** (until 5 September 2006)
- **Mr Michael Llewellyn-Smith** (until 5 September 2006 – under Statutes Amendment (Universities) Act 2005, Sch 1, Transitional Provisions Section 2(2))
- **Dr Edwin Harry Medlin** (resigned 22 May 2006)
- **Dr John Mayfield** (from 6 September 2006 – deceased November 2006)
- **Dr Michael Penniment** (from 6 September 2006)
- **Dr John Radcliffe AM** (from 6 September 2006)

Standing Committees of Council as at 31 December 2006

Academic Board

Chair – **Professor Charles Bodman Rae**

Audit, Compliance and Risk Committee

Chair – **Ms Pamela Martin**

Convenors' Committee

Chair – **The Hon. John von Doussa QC**

Finance Committee

Chair – **Mr Ross Adler AO**

Personnel Committee

Chair – **Mr Brian Croser AO**

Senior Executive Review Committee

Chair – **The Hon. John von Doussa QC**

Special Degrees Committee

Chair – **The Hon. John von Doussa QC**

Senior Management – Senior Managers at 31 December 2006

Deputy Vice-Chancellor (Academic)

Professor Fred McDougall

Deputy Vice-Chancellor (Research)

Professor Alan Johnson AM

Pro Vice-Chancellor (International)

Professor John Taplin

Executive Director, Finance and Infrastructure

Mr Paul Duldig

Executive Director, Student and Staff Services

Ms Susan MacIntosh

Executive Dean, Faculty of Engineering, Computer and Mathematical Sciences

Professor Peter Dowd

Executive Dean, Faculty of Health Sciences

Professor Justin Beilby

Executive Dean, Faculty of Humanities and Social Sciences

Professor Michael Innes

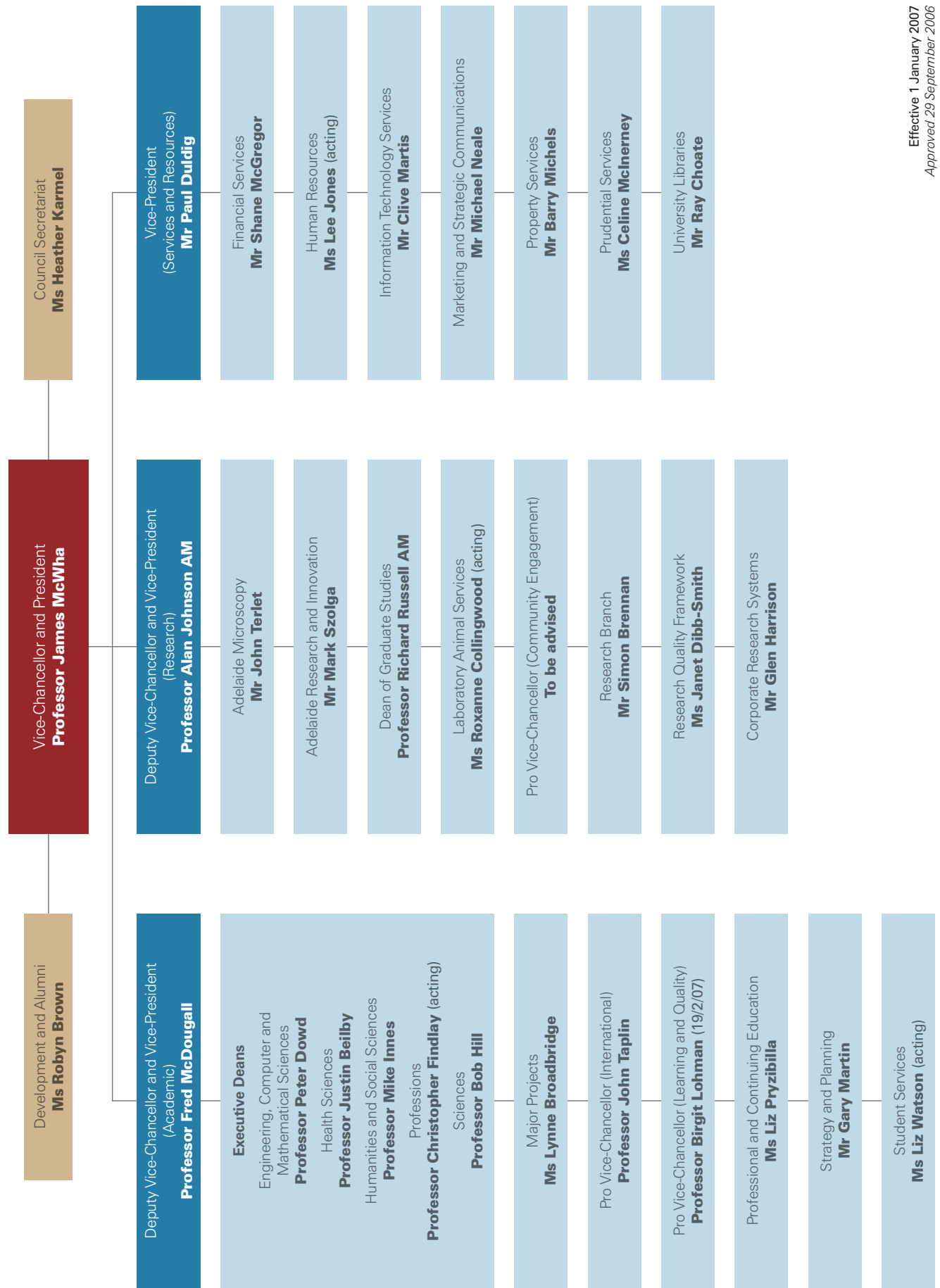
Executive Dean, Faculty of the Professions

Professor Christopher Findlay AM (acting)

Executive Dean, Faculty of Sciences

Professor Robert Hill

TOP-LEVEL ORGANISATIONAL CHART





PLANNING AND QUALITY

Strategic Planning

In 2003, the University instituted a comprehensive process of strategic planning, which included extensive consultation within the University community and with external stakeholders, through values surveys, focus groups and an environmental scan involving key people from the public and private sectors, and public fora. A five year Strategic Plan, *Future Directions: The University of Adelaide Strategic Plan 2004–2008*, was approved by the University Council in February 2004. The Plan sets out the University's mission and vision, high-level goals and strategies in the areas of growth with excellence in the University's educational activities, student focus, the pursuit of research excellence, and the effective management of the University's resources, structures and processes. It also established high-level targets that enable the University to regularly review progress. A mid-cycle review of the Strategic Plan was carried out in 2006, with an updated interim plan prepared for the period 2007–2011 and approved by Council in September. The development of a new Strategic Plan will be undertaken during 2007, for the years 2008–2012, again involving extensive consultations with internal and external stakeholders.



Operational Planning

Concurrently with the development of the Strategic Plan in 2004, the University reviewed its longer term approach to planning, budgeting and performance monitoring. As a result, an Institutional Planning and Performance Framework (IPPF) was adopted. As part of the development of the IPPF, three working parties were set up in 2004 to investigate planning and budgeting, institutional key performance indicators and evaluation processes for learning and teaching. These Working Parties reported at the end of 2004 and the University progressively implemented the bulk of their recommendations during 2005 and 2006.

Broadly, the planning and budgeting framework is predicated on three-tiers of planning, comprised of the Strategic Plan, the University Operational Plan, and Business and Resource Plans at the Faculty and Divisional levels, with each level integrated within a triennial Budget process and informed by detailed annual performance reports.

The first IPPF University Performance Report was submitted to Council in early 2006, starting the planning process for the year. The review of the Strategic Plan also commenced in the early part of the year, along with the development of University-level plans for Learning and Teaching and



The aim has been to provide an overarching focus for quality improvement within the University that meets the needs of the University community and is consistent with best practice in Australia.

Research and Research Training, each of which would frame the development of the 2007–2011 University Operational Plan and the accompanying Business and Resource Plans. Following an annual update of University-level student load and research projections, a budget outlook was prepared and discussed at the Senior Management Planning Forum in June. Alongside these financial settings was a clear determination that the priority operational objectives for the next three years would be continued growth, quality and service enhancement, and finding efficiencies in the delivery of University services.

In line with these objectives, Faculty and Divisional targets were determined following the Forum. These targets provided the financial underpinning for the development of individual Faculty and

Divisional Business and Resource Plans as well as the major strategic initiatives to be undertaken over the next three years. With draft BRPs and strategic projects completed, a first cut of the 2007 Budget was prepared. Plans, Projects and the Budget were then analysed and discussed at the Senior Management Planning and Budget Forum in September. The decisions made at this forum informed the final revisions to the Faculty and Divisional Business and Resource Plans, and the 2007 University Budget.

The culmination of these underlying planning processes was the development of the University Operational Plan for 2007–2011, a document that highlights the collective view of the University's Senior Management of the areas in which the University will focus its energy and resources during the next planning period.



Quality Assurance

The University of Adelaide continued its commitment to the principles of quality assurance by establishing the Quality Assurance Framework Working Party to review and update the existing Quality Assurance Framework and associated Offshore Quality Assurance Framework. The aim has been to provide an overarching focus for quality improvement within the University that meets the needs of the University community and is consistent with best practice in Australia.

The Quality Assurance Working Party, chaired by Professor Peter Dowd, met regularly from November 2005 until late January 2006 and provided a report to the Quality Enhancement Committee on 15 February 2006. The Working Party recommended the development and ongoing support of a web-based quality system that incorporated the University's Strategic Priority Areas, its enabling areas and a quality cycle along similar lines to that promoted by AUQA.

The Report of the Quality Assurance Framework Working Party was discussed at Academic Board on 1 March and 5 April and at the Vice-Chancellor's Committee on 8 March. Both bodies endorsed the

recommendations of the Report. Following endorsement by the Vice-Chancellor, the Working Party resumed meeting to consider the best approach to developing the Quality Assurance System. It was agreed that the initial focus would be on learning and teaching from the perspective of the student life-cycle—the key elements being Recruitment, Admission, Enrolment, Student Support, Teaching Delivery, Assessment, Graduation and Alumni. Of these, the initial focus has been on the Assessment element, involving a review of all University policies and guidelines related to assessment and examinations.

The Quality Enhancement Committee considered a progress report from the Working Party at its meeting of 13 July 2006 and agreed to a further scope of work for the remainder of the year.

The Working Party has continued to meet regularly to guide the development of the University's web-based quality assurance system. The development of this system will be an important element of the University's preparation for the second AUQA audit, expected to be in the second half of 2008.

Strategic Reviews

As part of the University's commitment to quality assurance, the University undertakes, at times, strategic reviews of the management, activities and processes of its organisational units, such as Faculties and Schools. One review of this nature was undertaken in 2006, namely of the Faculty of Engineering, Computer and Mathematical Sciences. The review panel met in early 2006 and the report of the review was made available for public consultation in June 2006. The report is generally positive about the performance of the Faculty, although it does recommend a number of changes to the Faculty's approach to teaching and research. The University considered its response to the recommendations in August 2006 and has subsequently developed an implementation plan that the Faculty is pursuing.



LEARNING AND TEACHING

Learning and Teaching Policies and Planning Frameworks

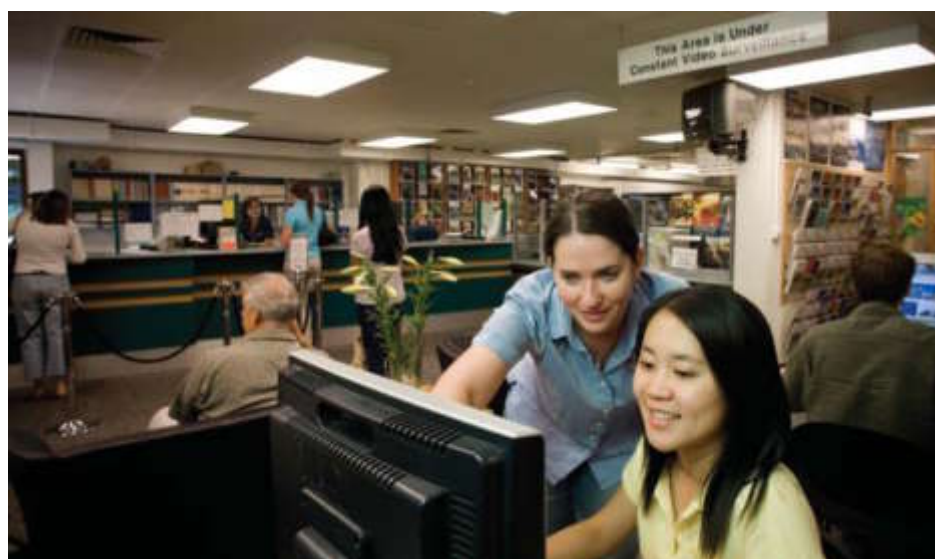
The University established and implemented several policies and frameworks in 2006 as part of its ongoing commitment to improving the quality of learning and teaching. Initiatives that will assist the University to continue its work in maintaining a high-quality educational experience for students include:

Parallel Teaching in Postgraduate Coursework Programs

Parallel teaching is any form of teaching that involves significant overlap of content in undergraduate and postgraduate courses or any form of teaching that involves undergraduate and postgraduate students being located in the same class. As part of the University's commitment to providing students with a high-quality educational experience, a policy was developed to ensure that there is a limit on parallel teaching.

Plagiarism and Cheating in Examinations and Related Forms of Assessment

On the recommendation of a Working Party of the University Learning and Teaching Committee, the Policy Statement on Plagiarism, Collusion and Related Forms of Cheating was replaced by the Policy on Plagiarism and the Policy on Cheating in Examinations and Related Forms of Assessment. The revised policies outline the University's commitment to high standards of academic integrity, the issues associated with plagiarism and collusion and with cheating in examinations and related forms of assessment and their effects on student learning, and the principles, guidelines and procedures under which cases of plagiarism and cheating in examinations and related forms of assessment are managed.



Code of Practice for Postgraduate Coursework Studies

Throughout 2004 and 2005, the University Postgraduate Coursework Committee worked on improving the University's performance in the area of postgraduate coursework education, which included the development of a Code of Practice for Postgraduate Coursework Studies. In 2006, the Principles for the Delivery of Student Support Programs for Postgraduate Coursework Students were developed and incorporated into the Code of Practice for Postgraduate Coursework Studies. The Code of Practice emphasises the University's commitment to the goal of providing a distinctive learning experience of high quality for students, while the Principles address the need to provide academic support for both international and domestic postgraduate coursework students.

Review of Academic Progress

The Policy on the Review of Academic Progress replaces a previous policy statement on the preclusion of students for unsatisfactory performance. The current policy provides a framework for the University to monitor the academic progress of students on an annual basis, and an institutional framework for the policies developed by each Faculty for monitoring academic progress.

Good Practice Guidelines for Assessment

The Good Practice Guidelines for Assessment were revised in 2006 by the Assessment Monitoring Committee to incorporate guidelines on assessment of group work and assessment of participation. These updates include acknowledgement of online assessments in the form of online discussions, wikis and blogs, reflecting the changing face of assessment in universities and the diversity in assessment tasks.

The University had the greatest increase in overall student satisfaction of any university in Australia. It also moved into the number one position in Australia for the number of Bachelor degree students going on to further full-time study.

Learning and Teaching Plan

The Learning and Teaching Plan provides a policy framework with goals and strategies for learning and teaching at the University of Adelaide. The Learning and Teaching Plan was updated in 2006, amplifying the strategies in the revised Strategic Plan. These include faculty initiatives in learning and teaching; internationalisation; academic and other support for students in their learning; staff development policies and initiatives to support and reward quality improvement in teaching; Indigenous education; information technology and services in the learning and teaching environment; maintenance and improvement of teaching spaces and facilities; and library resources and services in support of learning and teaching.

Summer Semester

A Review of the Summer Semester recommended further development of the Summer Semester through a standardised approach to its administration, early planning of courses to be offered during that period, an increase in the support services available to ensure successful learning and teaching outcomes, the effective promotion of courses and the provision of incentives to academic areas and for academic staff to increase the study options available to students. It is planned to implement the recommendations in time for the 2007 Summer Semester.



Learning and Teaching Initiatives

Some of the initiatives that establish the University's commitment to improving the quality of learning and teaching include:

- The Learning and Teaching Plan was updated in 2006 to provide a framework for planning, management and quality assurance activities in learning and teaching matters across the University. As part of the University's commitment to supporting its students and staff, the University Learning and Teaching Plan includes ways in which the University can position itself to maximise the benefits that accrue from the Learning and Teaching Performance Fund and from the Carrick Institute for Learning and Teaching in Higher Education.
- A new Program Student Evaluation of Learning and Teaching (SELT) has been developed that allows reflection upon the student experience in a whole program. Results of Program SELTs will allow the University to make changes where required to ensure that the students' needs are met and that the results of the Course Experience Questionnaire (CEQ) can be anticipated and improved upon.

- The Centre for Learning and Professional Development (CLPD) and the discipline of Civil and Environmental Engineering trialled a teaching development program with sessional staff. The participants completed a series of modules and practical exercises that incorporated student learning modes, assessment and evaluation and large or small group teaching.
- Graduate Destination Survey (GDS) and Course Experience Questionnaire (CEQ) data was made available in a data warehouse environment. Availability of detailed CEQ/GDS information in the central reporting system will enable Faculties and Schools to be more responsive to student needs and feedback.

In addition, the University's commitment to providing a high-quality educational experience for students and the implementation of new policies and frameworks for learning and teaching has contributed to the following outcomes:



Learning and Teaching Performance Fund

The University's excellence in learning and teaching was rewarded with \$1.34 million funding under the Federal Government's 2007 Learning and Teaching Performance Fund. The aim of the Learning and Teaching Performance Fund is to reward universities that best demonstrate excellence in undergraduate learning and teaching. The University had the greatest increase in overall student satisfaction of any university in Australia. It also moved into the number one position in Australia for the number of Bachelor degree students going on to further full-time study.

TAFE Memorandum of Understanding

On 26 September, a new Memorandum of Understanding between the University of Adelaide and the Department of Further Education, Employment, Science and Technology (DFEEST) was signed. The revised MOU between the two organisations is a strategic approach to working together in order to help students with diverse educational backgrounds take up study at the University. The MOU is designed to cover a range of activities where closer interaction could benefit both the University and TAFE institutions, including admission processes; articulation, credit transfer and recognition of prior learning; collaborative curriculum development; resource sharing; strategic planning; marketing; professional development; and research.

TAFE Articulation

The Office of the Deputy Vice-Chancellor (Academic) undertook a project aimed at maximising articulation arrangements with the TAFE sector. One of the outcomes of this project was a Report which examines articulation, credit transfer and skills recognition arrangements between TAFE and the University of Adelaide and makes recommendations relating to these. Using the Memorandum of Understanding between the University and TAFE SA, a number of credit transfer agreements have been formalised, adding to those that already exist. New agreements include articulation between the Bachelor of Agriculture and the TAFE Diploma in Rural Management, the Bachelor of Design Studies and the TAFE Diploma in Garden Design and the Bachelor of Engineering (Mechanical Engineering) and the TAFE Advanced Diploma in Mechanical Engineering.

Collaborative Associate Degree in Electronic Engineering

The University was awarded \$70,000 from the Commonwealth Government's Collaboration and Structural Reform (CASR) Fund to develop a Collaborative Associate Degree in Electronic Engineering between the University and TAFE SA. The aim of the CASR Fund is to achieve better higher education outcomes in teaching, learning, research and innovation by promoting structural reform and collaboration in the sector.

Online Learning

A major review of MyUni, the main web-based online support portal for learning and teaching at the University, was completed in 2006. The report highlighted the essential nature of online education in a contemporary university, and the fact that students expect ready access to information and resources, both on and off campus. A new version of MyUni with enhanced features for staff and students is to be introduced in 2007.

Learning Hub

The Learning Hub project in the Hughes Plaza will be the focal point for student learning on campus. As an early stage of the project, a 24-hour computing facility, which is accessible from within the Barr Smith Library during opening hours and externally after hours, was opened in 2006. The University is committed to enhancing student learning and recognises the importance of the Library to the experience of students.

Academic Professional Development

Sixteen University of Adelaide academics graduated as the inaugural cohort of the Graduate Certificate in Higher Education in 2006. These lecturers have developed increasingly appropriate strategies for their students' success, demonstrating a movement from "expertise in their discipline" to "expertise in the teaching and learning of their discipline". They have had increasing impact on their colleagues' perspectives of teaching and learning, as exemplified by their formation of the Education Research Group of Adelaide (ERGA) and by their membership of Teaching and Learning committees. Many graduates are having a broader impact, disseminating their teaching and learning research through conferences and journal articles.



Undergraduate Entry

The University Coursework Entry Committee (UCEC) is responsible for providing advice on undergraduate entry policy and practices for local and international admissions. In 2006 this Committee reviewed the selection methodologies relating to all undergraduate programs. This process was designed to increase the pool of eligible applicants to the University and provide a higher level of consistency across the organisation.

The UCEC approved changes to the entry requirements for the MBBS (Bachelor of Medicine and Bachelor of Surgery) admissions cycles for 2006–2007 and 2007–2008, such that the oral assessment is weighted at 40%, the TER at 40% and the UMAT at 20%. It was also agreed that the entry requirements for the MBBS be reviewed again prior to the 2008–2009 admissions cycle. In addition, the Committee approved course selection methodologies relating to the new undergraduate program, the Bachelor of Mining Engineering, to be taught for the first time in 2007.

The committee approved the expansion of the Fairway Scheme to all isolated, rural and regional schools nation-wide (based on the Australian Bureau of Statistics' Australian Standard Geographical Classification) in time for the 2006–2007 admissions cycle.

Scholarships

The Coursework Scholarships Committee (CSC) considered the selection of recipients for the Commonwealth Learning Scholarships (Accommodation [CAS] and Education Costs [CECS]), Adelaide Access, and Vice-Chancellor's Scholarships. These scholarships increase higher education participation by students from low socio-economic backgrounds, particularly Indigenous students and students from rural and regional areas and/or from particular equity groups. 76 Access scholarships of 4-year duration, 68 CAS and 107 CECS were available.

The Vice-Chancellor's scholarships were awarded to a male and female student, both of whom had outstanding academic records.

Review of the South Australian Certificate of Education

A response, on behalf of the University, to the *Report of the Review of the South Australian Certificate of Education* (SACE), was submitted to the Minister for Education and Children's Services. The aim of the Review was "to create more flexible arrangements, broaden student pathways and develop the enterprise, interpersonal and employment-related skills need for the future, for individuals and for the best economic and social interests of South Australia". Although the University's response identified several concerns with the Report's recommendations, it also emphasised a willingness to work with the State Government and the other key participants in senior secondary education either to improve the existing SACE further, or to develop the framework in the Review into a model capable of effective implementation.

Report on the Australian Certificate of Education

The University submitted a response to the *Report on the Australian Certificate of Education: Exploring a Way Forward* released for consultation in May 2006 by the Federal Minister for Education, Science and Training, the Hon. Julie Bishop. The Australian Council for Educational Research (ACER) was commissioned by the Minister to investigate and report on models and implementation arrangements for an Australian Certificate of Education (ACE) to replace various State and Territory arrangements for the final years of secondary school. The University's response conveyed support for the recommendations contained in the Report as a means for effectively addressing the inconsistencies in senior secondary education across Australia and for adequately preparing students for tertiary study.

Bologna Process

The University has submitted a response to the discussion paper released by the Minister for Education, Science and Training entitled *The Bologna Process and Australia: Next Steps*. The Bologna Process is a reform process involving 45 countries in Europe and elsewhere working towards the achievement of an integrated European Higher Education Area by 2010 that will provide greater consistency, portability and quality in higher education. The Bologna Process will have important implications for the University as we continue to enhance our success and reputation as a provider of world-class education to both domestic and international students. It is likely that this discussion will be ongoing for a considerable period of time and the University will need to consider how compatibility with the Bologna principles might be attained.

New Academic Programs

The following are the academic programs at both undergraduate and postgraduate level that were approved in 2006 to meet the needs of both students and industry.

Faculty of Engineering, Computer and Mathematical Sciences

Bachelor of Engineering (Mining)
Bachelor of Engineering (Pharmaceutical)
Bachelor of Engineering (Automotive) / Bachelor of Mathematical and Computer Sciences
Bachelor of Engineering (Mining)/ Bachelor of Mathematical and Computer Sciences
Bachelor of Engineering (Mining)/ Bachelor of Science
Graduate Certificate in Marine Engineering
Graduate Diploma in Marine Engineering
Master of Marine Engineering
Master of Engineering (Mechatronics)
Master of Engineering (Advanced) (Mechatronics)

Faculty of Humanities and Social Sciences

Bachelor of Development Studies (including Honours)
Diploma in Music (Sound Engineering) (VET)
Graduate Certificate in Food Writing
Diploma in Instrumental Music
Master of Arts (Curatorial and Museum Studies)

Faculty of Health Sciences

Bachelor of Health Science / Bachelor of Mathematical and Computer Sciences
Graduate Certificate in Biostatistics
Graduate Diploma in Biostatistics
Master of Addiction Studies
Master of Biostatistics

Faculty of the Professions

Doctor of Business Administration (this is a research degree)

Faculty of Sciences

Bachelor of Science (Marine Biology)
Bachelor of Science (Natural Resources)
Bachelor of Food Science and Technology (Honours)

Reviews

The following program reviews were conducted in 2006:

- Bachelor of Medicine/Bachelor of Surgery (MBBS)
- Bachelor of Agriculture, Bachelor of Rural Enterprise Management and Diploma of Agricultural Production
- Bachelor of Laws
- Bachelor of Science
- Postgraduate programs in Applied Linguistics
- Postgraduate programs in Gastronomy
- Postgraduate programs in Art History
- Postgraduate programs in Creative Writing
- Postgraduate programs in Economics/Applied Economics

The following strategic reviews were conducted in 2006:

- Thebarton Campus (Adelaide University Research Park)
- Faculty of Engineering, Computer and Mathematical Sciences

A new policy for regular reviews of programs and courses commenced in 2006. All academic programs will be formally reviewed by the University once every five years, while courses will be reviewed every three years.

National Staff Awards

Carrick Awards for Australian University Teaching

Seven teaching staff from the University of Adelaide were awarded Citations for Outstanding Contributions to Student Learning. The Citations, awarded for the first time in 2006 by the Carrick Institute for Learning and Teaching in Higher Education, recognise the unique contributions to quality teaching by academic staff from universities around Australia. The seven staff nominated by the University for 2006 and awarded by the Carrick Institute for excellence in teaching are:

- **Associate Professor Holger Maier,**
Civil and Environmental Engineering
For sustained contributions to the development and promotion of online situational learning for the development of graduate attributes.
- **Associate Professor David Paton,**
Earth and Environmental Sciences
For the provision of resources and curricula that result in experiential learning opportunities for undergraduate students in the environmental sciences.
- **Associate Professor Anna Chur-Hansen,**
Psychiatry
For outstanding contributions to research and literature related to the education of health professionals, which have benefited the learning experiences of students locally, nationally and internationally.
- **Associate Professor Amanda Le Couteur,**
Psychology
For excellence in teaching and for institutional leadership in promoting student-centred learning in the discipline of Psychology.
- **Dr Joy McEntee,**
English
For modelling an “infectious enthusiasm” for learning and teaching as stimulating and emotionally rewarding experiences, inspiring both learners and teachers over a ten year period.
- **Associate Professor Mark Jaksa,**
Civil and Environmental Engineering
For the creation of innovative teaching resources that reflect enthusiasm for and a command of the field and that lead to enhanced student understanding of the principles of geotechnical engineering.
- **Dr Ben Cazzolato,**
Mechanical Engineering
For the development of innovative and engaging approaches to teaching and assessing control theory in order to stimulate independent learning and critical thinking.

Carrick Associate Fellowship

Professor Geoffrey Crisp, Director of the Centre for Learning and Professional Development, was awarded a Carrick Associate Fellowship for excellence in learning and teaching. Professor Crisp’s award was the only Carrick Fellowship in 2006 for South Australia and one of eight Associate Fellowships awarded nationally. The Fellowships are awarded to outstanding scholars who are respected advocates for excellence in learning and teaching in higher education.

Australian University Award for Teaching Excellence

Associate Professor Holger Maier, Civil and Environmental Engineering, was awarded the Australian University Award for Teaching Excellence by the Carrick Institute for Learning and Teaching in Higher Education. The Awards give recognition to outstanding university teachers who enhance the quality of learning and teaching in higher education.

Australasian Engineering Education Awards

Each year, the Australasian Association for Engineering Education (AAEE) recognises excellent achievement in engineering education. In 2006, University teaching staff were awarded two of the three Awards for Excellence in Engineering Education:

- **Associate Professor Holger Maier,**
Civil and Environmental Engineering
AAEE Award of Excellence in Teaching and Learning
- **Dr Colin Kestell,**
Mechanical Engineering
AAEE Award for Excellence in Curriculum Innovation.

University Staff Awards

Vice-Chancellor's Award for Excellence in Learning and Teaching

The 2006 Vice-Chancellor's Award for Excellence in Learning and Teaching was awarded jointly to Ms Lucy Potter from the School of Humanities and Dr Tracey Winning from the School of Dentistry. The Vice-Chancellor's Award for Excellence in Learning and Teaching is awarded annually from the pool of prize-winners of the Stephen Cole the Elder Prizes and made on the recommendation of the Stephen Cole Selection Committee.

The Stephen Cole the Elder Prizes for Excellence in Teaching

In 2006 the Prizes, recognising and rewarding outstanding teaching, were awarded to:

Award for Excellence in Undergraduate Teaching

Ms Lucy Potter

School of Humanities, Faculty of Humanities and Social Sciences

Dr Tracey Winning

School of Dentistry, Faculty of Health Sciences

Award for Excellence in Undergraduate Teaching in the First Five Years of Teaching

Dr Greg Metha

School of Chemistry and Physics, Faculty of Sciences

Faculty Teaching Prizes

Faculty-level teaching prizes have been established to recognise and reward academic staff for excellence in University teaching. In 2006 these were awarded as follows:

- **Dr Tracey Winning,**
Executive Dean's Prize for Excellence in Teaching,
Faculty of Health Sciences
- **Dr Mounir Ghabriel,**
Executive Dean's Prize for Excellence in Teaching,
Faculty of Health Sciences
- **Associate Professor Maree O'Keefe,**
Executive Dean's Prize for Excellence in Teaching,
Faculty of Health Sciences
- **Dr Mohammad Afzal Mahmood,**
Executive Dean's Prize for Excellence in Teaching,
Faculty of Health Sciences
- **Associate Professor Amanda LeCouteur,**
Executive Dean's Prize for Excellence in Teaching,
Faculty of Health Sciences.
- **Associate Professor Elizabeth Koch**
Prize for Excellence in Teaching,
Faculty of Humanities and Social Sciences
- **Dr Vesna Drapac**
School of Humanities, Prize for Excellence in Teaching,
Faculty of Humanities and Social Sciences

Student Awards

University Medallists (awarded in August 2006 for 2005)

Engineering, Computer & Mathematical Sciences

Jessica Kasza – Honours B Maths & Comp Sci

Glenn Lydyard – BEng (Chemical) with Honours

Zebb Prime – BEng (Mechatronic) with Honours

Talis Putnins – BEng (IT&T) with Honours

Jarrad Rosser – BEng (Electrical & Electronic) with Honours

Raymond Vozzo – Honours B Maths & Comp Sci

Health Sciences

Ryan Balzan – Honours B Psychology

Hui Chiam – Honours B Health Sciences

Chrisi Lambos – Honours B Psychology

Humanities & Social Sciences

Hayley Radke – Honours B Music (Performance)

Kate Seward – Honours B Arts

The Professions

Sky Allen – Honours B Landscape Architecture

Tom Rosewall – Honours B Economics

Rowena White – Honours B Laws

Sciences

Andrew Heitmann – Honours B Science

Adam Palmer – Honours B Science

Gemma Sharp – Honours B Science

Honours Alumni University Medallist

Adam Palmer – Faculty of Sciences

Postgraduate Alumni University Medallist

Mark McDonnell – Faculty of Engineering, Computer & Mathematical Sciences



RESEARCH AND RESEARCH TRAINING

The University of Adelaide aspires to be one of Australia's top universities by any measure, and the quality of our research is an essential component of the overall success of the University. It impacts on every aspect of our activities, whether it be directly through research revenue and outcomes, or indirectly through student recruitment, community service, employment outcomes, the ability to attract high calibre staff, or many other nationally and internationally accepted indicators of excellence.

Throughout 2006, high levels of research income continued to flow into the University in acknowledgment of the world-class reputation of our researchers, and the valuable skills and expertise which they are able to apply to a vast array of complex challenges. Within these funded projects, there were many examples of collaborative ventures with government bodies, industry, other research institutions and the community in general, ranging from matters of health to national defence to the environment. In line with these activities, a number of changes were implemented during the year to ensure that our support services are well placed to assist in further growth, and that we have in place appropriate plans and processes to support the development of our research goals. In particular, one of the more significant activities was commencing the development of processes for the Commonwealth Government's Research Quality Framework (RQF), a future external driver of major importance to university research funding.



Research Policy and Management

During the year, the University Research Plan was revised for the period 2007–2009. The Plan provides specific initiatives to underpin the University's continued position as a high-performing, research-intensive university. By undertaking these strategic activities, the University will be in a position to understand, support and promote its research strengths, both existing and emerging, and to broaden its research base in the longer term. This will, in turn, facilitate the creation of the necessary critical mass required for the development of world-class research in an increasingly competitive environment, both nationally and internationally. The Plan reiterates the long-held practice of the University to seek partnerships and collaborative arrangements with other research providers and users to develop greater research capability, strengthen the University's funding base, and enhance our national profile as one of Australia's top research universities.

In February 2006, Professor Alan Johnson AM became the University's new Deputy

Vice-Chancellor (Research). Professor Johnson previously held the positions of Executive Director for Biological Sciences and Biotechnology at the Australian Research Council (ARC) from 2003 to 2006; Chief Hospital Scientist at the Flinders University Medical Centre; Director of a Key University Research Strength and Chair of the Academic Board at the University of Technology, Sydney; Editor-in-Chief of the *Australian Biologist* and *International Journal for Parasitology*; and a member of the Expert Advisory Committee for Biological Sciences and Biotechnology of the ARC. Professor Johnson was awarded a Fulbright Fellowship in 1985 and the Bancroft Mackerras Medal in 1989. In 1996 he was awarded a DSc for his research achievements and in 1999 he was made an "Ehrenmitglied" of the German Society for Parasitology, the first non-German to be so honoured. He is a Fellow of the Australian Society for Microbiology, the Australian Society for Parasitology and the Australian Institute of Biology.

In addition to a PhD in parasite immunology, Professor Johnson has an MA (Hons) in technology and social change, and an MEdMgmt in leadership and management in educational institutions.

As part of a continuing approach to providing excellent levels of research support, the University instituted a number of positive changes during the year. Following an earlier review of the University's Research Branch, significant changes were implemented to refocus research support services on quality grant outcomes, and to engender a proactive culture to support and assist researchers. Also in 2006, an initial review was undertaken of the Thebarton Campus (Adelaide University Research Park), providing a useful discussion on a valuable facility that contributes to the commercial impact of our research and promotion of the University to the community generally, as well as meshing with the State Government's new BioInnovation Hub. These and other support structures, situated within a forward-looking policy framework, are helping the University to deliver continuing positive research outcomes to the Australian community.

One of the major external drivers affecting our research management, and with the potential to have a significant impact on our operations, is the Research Quality Framework (RQF) exercise. In November 2006, the Minister for Education, Science and Training, the Hon. Julie Bishop, announced the Commonwealth Government's commitment to introducing the RQF, as recommended by the Development Advisory Group. The RQF underpins the Government's commitment to formulate a framework to allocate some of the funding that goes to universities on the basis of a far more detailed assessment of research quality and impact. The additional peer and end-user assessment will have a significant effect on institutional reputations and major block grant funding allocations in future years.

Early in 2006, the University appointed a Director, RQF, and established an RQF Steering Committee, chaired by the Dean of Graduate Studies, to oversee and advise on the University's preparation for, and response to, the RQF. Following the announcement by the Commonwealth Government, and release of further framework details, this Committee was replaced by a more detailed set of structures to progress matters for the following year. In parallel to the RQF



preparations, the University has invested considerable resources in the development of an integrated electronic research system to support its major activities as a research-intensive institution, in addition to addressing the anticipated additional reporting requirements under the RQF.

Research Infrastructure

On 28 February 2006, the Minister for Education, Science and Training announced the release of the National Collaborative Research Infrastructure Strategy (NCRIS) Roadmap, identifying areas in which Australia should aim to develop, or further develop, research capability through significant infrastructure investment. Through NCRIS, the Commonwealth Government is providing \$542 million over seven years to provide researchers with major research facilities, supporting infrastructure and networks necessary for world-class research. Throughout the year, University of Adelaide researchers were involved in the development of Investment Plans for five of the nine major NCRIS capability areas. A commitment of matching funding was subsequently announced by the State Government in support of those bids involving South Australian researchers. The University of Adelaide is also contributing direct and in-kind financial

support where appropriate. Negotiation of formal funding agreements continued into the following year. For the University, some of the major proposals relate to support for metabolomics research; the construction of a National Plant Phenomics Facility at the Waite Campus; the development of an online Atlas of Living Australia for biological collections; access to new equipment as part of a National Imaging Facility to monitor the behaviour and function of cells within animals; the inclusion of a State node in a new National Microscopy and Microanalysis Research Facility; involvement with SARDI on microalgae biofuels development; and involvement in a consortium to develop advanced systems for acquiring and analysing geophysical and geochemical data.

Another source of Commonwealth Government support is the Linkage Infrastructure, Equipment and Facilities Scheme (LIEF). This encourages collaborative arrangements to develop research infrastructure and supports large-scale cooperative initiatives, thereby allowing expensive infrastructure, equipment and facilities to be shared. In 2006, the University was successful in winning \$951,000 for three of these collaborative LIEF projects (funding to commence in 2007):



- An Ultratrace element and isotope analysis facility, with CSIRO and Flinders University;
- “Robotics for plant genomics: increasing throughput in plant genetic analyses”, with the University of Melbourne and the Australian Centre for Plant Functional Genomics; and
- A microarray platform for gene expression analysis and genotyping in biological systems, with the University of South Australia, Flinders University and the Institute of Medical and Veterinary Science.

At the State level, Adelaide Microscopy, one of the University’s research support units, won a Bio-Innovation SA Research Infrastructure Fund grant of \$127,000 over two years. The grant enabled the unit to fund a position for a technician to assist users in sample preparation of biological material, as well as providing users with training. The Hon. Karlene Maywald, Minister for Science and Information Economy, visited Adelaide Microscopy in September 2006 to announce the successful application, as well as the appointment of Professor Grant Sutherland AC, an Affiliate Professor with the University’s Paediatrics Discipline, as the Chair of the Steering Committee of Adelaide Integrated BioScience Laboratories (AIB Labs), another Bio-Innovation SA sponsored initiative. Adelaide Microscopy is one of the 14 South Australian laboratories that make up the AIB Labs network of services and infrastructure, the aim of which is to support basic research of the highest quality, but also to underpin and further develop the range of service providers necessary for bioscience product development.

Research Income

The University’s total research income for 2006, as specified in the Higher Education Research Data Collection, was \$114.48 million, continuing the steady growth experienced over the last few years. While the University attracts research income from many different sources, national and international, our major contributors are Commonwealth Government agencies.

The University of Adelaide was awarded over \$12.7 million in the 2006 Australian Research Council (ARC) funding round and more than \$35 million from the National Health and Medical Research Council (NHMRC). This funding includes support for a wide array of projects including research in reproductive medicine, children’s health, infectious diseases, artificial intelligence, demography, plant functional genomics, geological processes and biomedical sciences. Of the total funding awarded to South Australia from the ARC and the NHMRC, the University of Adelaide received approximately 69% or the former and 74% of the latter. This excellent result highlights the strong nature of our continuing expertise and position as the premier research university in the State, as well as our productive, collaborative relationships with other South Australian organisations in government and industry.

The NHMRC provided the University of Adelaide with funding for 46 new Project grants, a Clinical Centre for Research Excellence grant, five fellowships and a substantial program grant. This funding includes support for new scientific investigation, broad team-based research programs and capacity building grants. Examples of the funded projects are:

- \$10.3 million was awarded to Professor Rob Norman, Director of the Research Centre for Reproductive Health, for an NHMRC program to investigate periconceptual foundations for a healthy start to life. This large-scale research will underpin new preventative measures and therapeutic treatments for infertility, miscarriage and other reproductive disorders. It will drive research that has the potential to make a huge impact on the environment, our understanding of human thought and behaviour, the food we eat, the way we cope with future pandemics, how we defend our nation and its citizens, and many other fields in Australia and around the world.

- Professor Michael Horowitz, School of Medicine, received \$2 million to establish an NHMRC Centre for Clinical Research Excellence in Nutritional Physiology, Interventions, and Outcomes. The Centre will capitalise on the expertise, synergies and multidisciplinary collaborations of several groups, all leaders in their fields, encompassing the physiology of nutrition, dietary intervention strategies, and evaluation of outcomes in diabetic, overweight, elderly, and critically unwell populations.
- Dr Declan Kennedy, School of Paediatrics and Reproductive Health, won three project grants worth approximately \$1.2 million for research into sleep disordered breathing and neurocognitive function in children post-adenotonsillectomy, and the relationship of childhood primary snoring to neurocognition and behaviour.
- Dr Allison Jilbert, School of Molecular and Biomedical Science, also won three separate grants totally approximately \$1.1 million for studies relating to hepatitis B, examining immune therapies, the progression of liver disease and resolution for chronic hepatitis B virus infection.
- Professor Caroline Crowther, School of Paediatrics and Reproductive Health, won a grant of over \$1 million for a project to study early school-age outcomes after exposure to repeat prenatal corticosteroids.
- Dr David Parsons, School of Paediatrics and Reproductive Health, has been funded for a project on the correction and measurement of the basic defects in cystic fibrosis.
- Professor Julie Owens, School of Paediatrics and Reproductive Health, will be researching the functional and epigenetic consequences of maternal folate deficiency, supplementation and fetal growth restriction.
- Professor Shaun McColl, School of Molecular and Biomedical Science, was awarded funding to understand the function of the CCR7 chemokine receptor in breast cancer cells and tumours.
- Professor Alexander McFarlane, School of Medicine, will conduct a project on “Childhood Cognitive Antecedents of Adult Psychopathology: Follow-up of the Port Pirie Lead Cohort into Adulthood”.

- Professor Wayne Tilley, School of Medicine, was funded to study androgen receptor signalling in the development and progression of prostate cancer.

The projects funded include researchers from the University's Faculty of Health Sciences and Faculty of Sciences, as well as research partners at the Women's and Children's Hospital, Royal Adelaide Hospital, Queen Elizabeth Hospital, Hanson Institute, Child Health Research Institute, and the Institute of Medical and Veterinary Science.

The 31 ARC Discovery grants won by University researchers include ground-breaking projects that aim to impact on people's lives in Australia and around the globe, such as:

- Professor Mike Brooks and Dr Anthony Dick, School of Computer Sciences, won funding to research the automated acquisition of surveillance-camera network topology, a crucial prerequisite to obtaining intelligent surveillance systems operating at the network level. Such systems will contribute improved methods for safeguarding Australia from terrorism and crime and also constitute smart information use of significant commercial value to Australian industry.
- Dr Alan Collins, School of Earth and Environmental Sciences, and colleagues will investigate "Modern-Style Subduction Reflected in the 2.0 Billion Year Old East African Eclogites", to increase our understanding of the Earth at the dawn of plate tectonics and foster community knowledge of the evolving Earth. The project will address the fundamental nature of the Earth at the time of much Australian ore formation, thus assisting in deep Earth resource exploration.
- Dr Sheryl De Lacey, School of Paediatrics and Reproductive Health, and colleagues have been awarded funding for the project, "Consent in the void: moral, legal and community values in decisions about human biological donations". This project is designed to improve consent procedures for embryo and organ donation, examining legal and moral issues as well as community values, and to make well-founded recommendations for the development of laws, policies and guidelines in relation to decisions about frozen embryos and the newly dead.

- Associate Professor Lisa Hill, School of History and Politics, and colleagues will develop an intellectual history of political corruption, bringing expert historical and conceptual knowledge to bear on the shortcomings of current policy debates, and thereby suggesting new possibilities for re-defining and clarifying the problem of corruption and the meaning of good governance.

- Associate Professor Martin Lambert, School of Civil and Environmental Engineering, and colleagues have been funded to develop a stochastic space-time model of rainfall fields in large heterogeneous regions, which will enable rainfall and climatic variability to be quantified, by simulation over arbitrarily long periods, assessing the risks. This research will provide software and the development of rainfall modelling frameworks for large river basins such as the Murray-Darling.

- Professor Michael Murray, School of Mathematical Sciences, and colleagues will be working on geometric problems from quantum theory. This is fundamental, basic research at the forefront of the application of mathematics to physical theories, concentrating on problems central to much of the research activity which is presently occurring in leading international research facilities.

The University's three Federation Fellows, Professors Alan Cooper, Graeme Hugo and Mark Tester, were all successful in winning additional ARC funding totally over \$1.15 million for research in their fields. Their respective world-class projects will examine the following research issues:

- "Evolutionary genetics of bovid genomes over 60,000 years", providing data critical for understanding the genetic background of modern cattle and bison, and how humans have shaped factors such as milk yield, growth rates and muscle mass.
- "Linkages Between Temporary and Permanent Migration in Australia", which will contribute to an effort to maximise benefits to Australia from immigration by providing a better understanding of the contemporary migration system.



- "Microgenomics - a tool to dissect effects of salinity on gene expression in specific cell types of Arabidopsis and rice", which will provide novel, fundamental understanding of the cell type-specific processes involved in salinity tolerance in higher plants, an area of great importance to Australian agriculture and environmental sustainability.

Continuing a strong tradition of developing research outcomes in partnership with industry, the University also won 11 new ARC Linkage grants, of which examples are:

- Associate Professor Graham Heinson, Professor David Giles and others from the School of Earth and Environmental Sciences, in partnership with BHP Billiton and Teck Cominco Australia Pty Ltd, won \$350,665 to develop a low-cost and rapid method of locating major mineral deposits.
- Professor Jesper Munch and Associate Professor Peter Veitch in the School of Chemistry and Physics, in partnership with Northrop Grumman Space Technology, were awarded \$333,869 to develop high-powered cryo-cooled lasers that contribute to photonics, remote sensing of the environment, and to space-based defence and surveillance.



- Dr Paul Sendziuk and Ms A Sadao, School of Politics and History, in partnership with Visual AIDS, won \$122,000 to research the important role that artists played in confronting AIDS. This project will also suggest how similar cultural interventions might be employed during existing and future disease epidemics and other public health threats.

The University was also awarded over \$11.7 million from the Grains Research and Development Corporation (GRDC) in 2006, and more than \$3.5 million from the Grape and Wine Research and Development Corporation (GWRDC) for research projects and programs. Areas of funding include wheat and barley, cereal functional genomics, grain defects elimination and quality improvement, crop agronomy, phenolic composition relating to white wines, tartrate stabilisation, grape berry development, small-scale fermentation, disease assessment and grape and wine chemistry. Some specific examples involving staff from the School of Agriculture, Food and Wine include:

- Dr Jason Eglinton and colleagues received further funding from the GRDC for research into barley improvement and industry development, with a focus on varietal development for the low to medium rainfall environments and neutral to alkaline soils across southern Australia.



- Professor Geoff Fincher and colleagues received further funding from the GRDC in support of the Cereal Functional Genomics Centre for research into genes for the control of early grain development and cell wall biosynthesis in wheat and barley.
- Professor Dennis Taylor and colleagues won funding from the GWRDC for research into new grape and wine chemistry research initiatives to bring long-term benefits to the Australian wine industry.

As part of a strategic action to diversify the sources of research income as much as possible, 2006 saw researchers at the University successfully win funding from a considerable variety of sources in the government, industry and community sectors. As the list would be far too long to reproduce here, the following four examples are meant to give a flavour of the types of projects funded and the sources of that funding:

- The Premier's Science and Research Fund provided funding worth almost \$2.3 million to researchers at the University for five new projects in 2006, all organised in collaboration with external partners such as the DSTO, CSIRO, South Australian Health Department, SARDI, etc. The Fund facilitates transformational investments in key science and research initiatives of strategic and sustainable value to the State. The funded projects comprised the Florey Adelaide Male Ageing Study; Next Generation digital phased array systems for radio frequency surveillance, navigation and environmental monitoring; value-adding for the SA wheat industry; investigations in technology for high efficiency energy saving electric machines; and ensuring South Australian access to the Australian Synchrotron in Victoria.
- Professor Andrew Austin, School of Earth and Environmental Sciences, and Dr Norman Johnson, from Ohio State University, will lead a multinational team from nine countries that has been awarded US\$2.6 million from the National Science Foundation in the United States under its Planetary Biodiversity Inventory program. The main aims of the five-year project are to describe and name all 2,500 species of *Platygastridae* wasps, to explore poorly known areas of the world rich in parasitic wasps, including forests of Brazil and southeast Asia, the Western regions of India and the arid lands of South Africa, and to map the evolutionary relationships using DNA sequences and morphology.
- Associate Professor David Chittleborough, from the School of Earth and Environmental Sciences, in collaboration with researchers at CSIRO and Monash University, is a recipient of one of six Emerging Science Initiative Grants announced by the CSIRO. The grant ensures \$922,000 over the next two years for a study of the fundamental physico-chemical properties of very fine particles in the environment.
- The University of Adelaide and its partners were awarded \$860,000 by the National Heart Foundation of Australia to undertake cardiovascular research projects over the next two years. Eight projects were awarded by the Heart Foundation's Grants-In-Aid program, which in 2006 funded projects worth more than \$2.4 million across Australia. The University of Adelaide's Professor Prash Sanders submitted one of the nation's highest ranked applications, for research into the role of the coronary sinus in heart rhythm disorders, affecting 2% of the population and causing strokes, blackouts and heart failure.

Table 1: Unweighted Score for the years 1997- 2005

	A1 Books	B1 Book Chapters	C1 Refereed Journal Articles	E1 Full-Refereed Conference Papers	TOTAL
1997	11.33	104.77	789.87	139.78	1,045.75
1998	13.08	98.86	858.91	183.89	1,154.74
1999	12.83	104.33	821.41	156.54	1,095.11
2000	9.50	112.44	922.03	122.27	1,166.24
2001	15.99	91.22	1,038.53	173.64	1,320.78
2002	13.5	78.63	1,010.15	158.87	1,261.15
2003	16	95.22	979.93	208.56	1,299.71
2004	13	104.29	1,086.22	271.49	1,475.00
2005	15.5	112.9	1,053.79	305.9	1,488.09

Publications

Institutional data on publications by staff and students of the University is gathered annually to comply with the requirements of the Higher Education Research Data Collection by the Department of Education, Science and Technology (DEST). The data counted in the publications collection is used by the Commonwealth in the formula for allocating funding under the Institutional Grants Scheme (IGS) and the Research Training Scheme (RTS). The DEST collection requires that publications be counted in four categories: A1 Books, B1 Book Chapters, C1 Journal Articles and E1 Conference Papers.

This year a total of 2,206 publication items were found to be eligible for inclusion in the DEST categories. After counting the contribution by eligible University author(s) to each item, the total unweighted score reported to DEST is 1,488.09. This is 13.09 greater than the unweighted score reported in 2005 for 2004 publications.

It is worth noting that the overall score for 2005 is the highest the University of Adelaide has yet reported. Since the higher "score" is one measure of the University's research activity, and is likely to result in some increase in IGS and RTS funding, the overall outcome of the collection is clearly welcome.

Research Commercialisation

The University of Adelaide generates a significant amount of Intellectual Property (IP) which is managed by its commercial development company, Adelaide Research and Innovation (ARI). Through ARI, the University is engaged at the highest levels with government, industry and research partners.

In 2006 contract research and consulting revenue reached an unprecedented \$16.5 million, a 42% increase since 2004. The Faculty of Health Sciences demonstrated a 40% increase in activity in 2006 and now accounts for almost half of total contract research and consulting revenue. Significant contracts included the Department of Health's Point of Care Testing Trial worth more than \$2.8 million; a contract between Dr David Kennaway and French Pharmaceutical company Servier for over \$650,000; and more than \$600,000 in revenue from an agreement between the Pain and Anaesthesia Research Centre (PARC) and Avigen Inc.

Contributions from the Faculty of Engineering, Computer and Mathematical Sciences also increased by 20% over the previous year. Major clients included the Defence, Science and Technology Organisation (DSTO), which contributed in excess of \$1 million, the Teletraffic

Research Centre's contract with Telstra worth \$300,000 and the Centre for Automotive Safety Research's agreement with the Roads and Traffic Authority NSW worth \$460,000. The University's largest customer across faculties is the Federal Government.

Activity in the University's IP Portfolio has also continued to increase, with 22 formal disclosures of IP received and a number of informal opportunities identified. Income from the IP portfolio increased from \$1.5 million to \$2 million in 2006, with 13 new agreements. Much of this success is attributed to agricultural R&D, where the University has produced more than 30 wheat and 11 barley varieties with commercial partners such as ABB Grain Ltd. Revenue generated from IP is fed back into the University to fund further research. In addition to this funding, ARI's commercial development managers have assisted the University to win a number of linkage grants, Premier's Science and Research funding, and the legal team continues to provide extensive legal support to the University on grants and other matters.

Throughout the course of the year the University strengthened its relationship with defence partners, particularly DSTO,



with whom the University has a strategic alliance. New projects with DSTO included an agreement with the Centre of Expertise in Photonics on Directed Infrared Counter Measures worth \$600,000 plus in-kind contributions, and the contracting of three new staff working with the Centre of Expertise in Phased Array and Microwave Radar Systems. In November a new business unit, the Centre of Defence Communications and Information Networking, was formed in the Faculty of Engineering, Computer and Mathematical Sciences.

In the area of molecular and biomedical science, ARI was awarded \$10,000 for the most outstanding South Australian technology project at the Commercialisation Expo in Melbourne, for the identification and development of a target for anti-infective agents 'biotin protein ligase', and ARI is now working to successfully commercialise this technology. In other areas, ARI is engaging with a number of collaborative partners on behalf of the University, including Proctor and Gamble, the world's largest consumer products company, Tenix Defence, SA Water and United Water.

The University's start-up companies are also managed by ARI, including Reproductive Health Science Pty Ltd (RHS), a company using technology developed within Obstetrics and Gynaecology that successfully applied for and won a Commercial Ready Grant of \$288,000 to complete the development of the prototype of their micro-array based prenatal screening technology. In total, ARI has now assisted to secure more than \$970,000 in external funding for this new venture.



Research Training and Scholarships

Foremost amongst the attributes which enhance the University's research environment is the training of students who will provide the next generation of researchers within Australia. The University is proud of the quality research training and experience it provides its postgraduate research students. Between 1 April and 31 December 2005 (latest data available), Adelaide conferred 154 research-intensive postgraduate qualifications, including 134 research PhDs. (The nine-month period for 2005 was used to realign our reporting with current DEST requirements.)

Student feedback indicators demonstrate a high level of student satisfaction with their graduate experience at Adelaide. The University supports its students in a large number of tangible ways. The Graduate Centre is constantly evolving to meet the changing needs of students and their supervisors and plays a vital role in ensuring that candidatures are well administered and that students are supported at every step of their research training.

In providing a high-quality environment for the development of such scholars, the University acknowledges a combination of discipline-specific research skills, generic skills and administrative procedures that enhance and monitor higher-level, research-based learning. To this end, the Academic Board approved the establishment of a Register of Eligible Research Supervisors. This was seen as a necessary quality assurance measure for a research-intensive University, and a means of ensuring that all supervisors have the necessary knowledge of policy and generic supervision issues to enable them to advise students effectively about their candidature.

The University knows that students are a vital part of research culture. To keep its research culture strong, the University needs to support its students, and one important way in which it does this is through scholarships. In 2006, Adelaide administered 73 commencing Australian Postgraduate Awards. In addition to the prestigious national scholarship program, Adelaide funds its own scholarships scheme. In 2006 the University gave out 188 new research scholarships.

Scholarships are also funded by numerous external bodies. For example, postgraduate research students at the University of Adelaide were awarded five of the 13 available Endeavour Australia Cheung Kong Awards for outgoing students in the 2006 national competition. The awards are funded jointly by the Cheung Kong Group and the Australian Government. University of Adelaide students have received awards to study in the Graduate Schools at the University of Tokyo and Kyoto University in Japan; the Institute of Microelectronics at Tsinghua University in China; the National Geophysical Research Institute in India; and Nong Lam University in Vietnam. In addition, the University received one 2006 Endeavour Award for Malaysia for an incoming person from the University of Malaya to work in the Faculty of Health Sciences.

Another University of Adelaide postgraduate student was awarded a prestigious Fulbright Scholarship to conduct research on the seafloor and determine how it affects the transmission of sound in the ocean. Laura Brooks, who has a first class honours degree in Mechanical Engineering and a University of Adelaide Medal for Outstanding Academic Achievement, is one of 20 recipients of a 2006 Fulbright Scholarship, and the only one from South Australia.

The University celebrated its 100th Rhodes Scholar in 2006. Nicole Krzys is studying for a Bachelor of Medicine/Bachelor of Surgery at the University of Adelaide and also recently completed an Honours degree in Philosophy, specialising in cognitive science. She will use her Rhodes Scholarship to study for a D.Phil (PhD) in Philosophy at Oxford in 2008, once she has completed her medical internship in Adelaide.

Research Collaboration

The University's world-class researchers aspire to be valued for the excellence, originality and impact of their work. By sharing their research results, innovative ideas and skilled expertise, they are able to spread the benefits of University research across a range of organisations. Members of the University collaborate with industry, government, other research institutions and the general community in many and varied ways. The following section provides a few examples of this collaborative approach in 2006.

The South Australian Government agreed to invest \$1 million over four years to establish a new Chair of Climate Change at the University of Adelaide. The Chair is named after a great South Australian, Sir Hubert Wilkins, who spent his life researching the weather and how it impacts on people. The University will provide additional resources to establish a new Institute of Climate Change and Sustainability. This will be a major catalyst for climate change research, with South Australia to lead the country by informing public policy and planning through scientific research.

The University's Research Clusters represent another strategy to achieve relationship building by bringing together multidisciplinary researchers. They play a positive part in creating opportunities which may foster new research collaboration and attract additional external funding. They are inclusive, thematic, cross-disciplinary groupings of interested researchers working in areas of state, national and international priority, and have a finite life and/or evolve over time in response to those priorities. A good example of this evolutionary approach may be seen in the activities of the Integrating Sustainability Cluster. The Cluster organised events to raise awareness and generate debate on sustainability issues, explore opportunities for collaboration, and develop institutional arrangements to enable the University to develop new research areas and build research capacity. From this approach a strategic funding initiative was prepared to support the establishment of the aforementioned Institute for Climate Change and Sustainability, into which the Cluster will be incorporated. In 2006, the Cluster strategy continued to assist such diverse research themes as computational neuroscience, water and health-related issues.



The world-famous and listed wetlands region, the Coorong, is the focus of a new multi-million dollar research partnership that aims to restore the ecological health of the region and protect threatened birds and fish. Funded under the Commonwealth Government's Flagship Collaboration Fund Cluster, and led by University of Adelaide researcher Dr Mike Geddes, the multidisciplinary research team will carry out a detailed study of the Coorong, the Lower Lakes and the Murray Mouth (CLLAMM) ecosystems in order to produce models to predict how future environmental management decisions may affect this vulnerable region. Other partners in the new research cluster (CLLAMMecology) are the CSIRO, Flinders University and the South Australian Research and Development Institute (SARDI) Aquatic Sciences. The program will receive \$2.2 million from the CSIRO Collaboration Fund, with a total investment of \$5.3 million over three years. The study aims to deliver a set of ecosystem-level models which can be used to evaluate alternative future scenarios within the larger Coorong region, and is the first comprehensive research program for this estuary. A number of management agencies are supporting the development of the program, including the SA Department of Water, Land and Biodiversity Conservation, SA Department of Environment and Heritage, the Murray-Darling Basin Commission, the Land and



Water Australia and the Fisheries Research and Development Corporation.

Adelaide Zoo chief executive officer, Chris West, was appointed to the Chair of Zoology at the University of Adelaide, creating a rare fusion of science, education and field support. Professor West brings a wealth of international experience to his new post, which will involve some teaching and collaborative research projects between the Zoo and the University. This is the first time in the Zoo's history that its chief executive has occupied the Chair of Zoology at the University of Adelaide. The Zoo's strong conservation stance is closely aligned with the University's teaching curriculum and research strengths.

On 4 November 2006, a Memorandum of Understanding was signed between the University of Adelaide and the Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences. The Research Centre was established in 1975 and is a leading institute for research and postgraduate training in China. The MOU will assist in the liaison, cooperation, assistance and exchange of information, academic teaching and research. This agreement builds on a long-standing research relationship focusing on soil science and water quality, and the establishment of a joint laboratory in Beijing in 2002.

Awards and recognition

Throughout 2006, numerous University researchers were duly recognised by external bodies for their outstanding commitments and hard work. The following provide some examples of the high reputation in which our staff and students are held.

Six outstanding researchers from the University of Adelaide were nominated for various categories in the Premier's Science Excellence Awards, a scheme initiated to assist in raising the awareness of the importance of science, technology and innovation throughout the broader community. These nominees are leaders in ecology, reproductive health, plant genetics, genetic diseases, urban biodiversity, and surgery.

Associate Professor David Paton, School of Earth and Environmental Sciences, won the Excellence in Research for Public Good Outcomes category for his research into changes to native flora and fauna in South Australia. His research has documented the influence of inadequate environmental flows on the Coorong, of habitat loss on woodland birds and pollination of native plants, of fire and drought on mallee heath communities, and rural tree decline.

Professor John Hopwood, Head, Lysosomal Diseases Research Unit at the Women's and Children's Hospital, won the Excellence in Research for Commercial

Outcomes category for his work in researching and developing a screening method for Lysosomal Storage Disorders in newborn babies. Professor Hopwood is an affiliate staff member in the University's School of Paediatrics and Reproductive Health.

A University of Adelaide scientist renowned for her research into plant diseases, Dr Amanda Able of the School of Agriculture, Food and Wine, was named South Australia's Tall Poppy of the Year for 2006. Dr Able has helped secure almost \$2 million of funding for plant-related research at the University of Adelaide since 2001, and her laboratory is a world leader in understanding the physiology of plant-pathogen interactions and postharvest disorders. Dr Melanie McDowall, a postdoctoral fellow in the same School, was also one of six recipients of a Tall Poppy Science Award. Dr McDowall is well known for her work to improve wool traits in Merino sheep by treating pregnant ewes with nutritional supplements. She is also a project leader within the Sheep Genomics program, which aims to improve wool, meat, parasite and reproductive efficiencies of sheep by gene discovery and non-genetic manipulations.

Ms Amanda Sferruzzi-Perri, a graduate of the University of Adelaide, was named the 2006 South Australian Young Achiever

of the Year, the third successive graduate of the University to win this prestigious award. She was awarded the honour for her work investigating the growth and function of the placenta in pregnancy. Her ground-breaking research, which is laying the foundation for future therapies, is designed to stimulate placental development and improve pregnancy outcomes. Another University of Adelaide graduate, Ms Katherine Daniell, won the SA Water Environment Award, as part of the Young Achiever program.

A young researcher from the University of Adelaide, whose work has produced new insights into a common disability in children, was chosen as South Australia's Young Investigator of the Year for 2006. Dr Catherine Gibson, a PhD graduate from the University's School of Paediatrics and Reproductive Health, is researching the causes of cerebral palsy in children in the hopes of taking a step towards prevention or a cure. The Young Investigator Award is an initiative of the Children, Youth and Women's Health Service and the Faculty of Health Sciences at the University of Adelaide.

Continuing on in the field of health research, 13 South Australians were inducted into the South Australian Reproductive Hall of Fame, in recognition of their lifetime contributions to the field of human reproductive health. The inductees included the following University of Adelaide researchers: Professor David Armstrong, Professor Colin Matthews, Dr David Morris, Dr Ossie Petrucco and Professor Jeffrey Robinson CBE, Dr Margaret Davy, Professor John Kerin (deceased), Dr John O'Loughlin AO, Professor Bob Seamark and Dr John Svigos.

Professor Tanya Monro was named as one of the top 10 brightest young minds in Australia by the national science magazine *Cosmos* as part of its "Bright Sparks" awards. Tanya Monro is Professor of Photonics within the School of Chemistry and Physics and is Director of the Centre of Expertise in Photonics, and her position is part funded by the Defence Science and Technology Organisation. Research by Professor Monro and her team is leading the world in the development of a new generation of optic fibres.

Professor Ngaire Naffine of the Law School was elected as a Fellow of the Academy of Social Sciences. Nominated by her peers, this high honour acknowledges her internationally recognised contribution to



law and philosophy. She has published work on criminology, criminal law, feminist legal theory, medical law, rape law, the legal status of transsexuals, of persons before birth (as fetuses) and after death (as body parts and corpses). Her books include *Female Crime, Law and the Sexes*, *Feminism and Criminology*, *Sexing the Subject of Law* and *Intention in Law and Philosophy*.

The University of Adelaide's Head of the Discipline of Obstetrics and Gynaecology, Professor Jeffrey Robinson, was made a Commander of the British Empire (CBE) in the Queen's Birthday Honours List for his services to maternal and fetal health. Professor Robinson is a British citizen who has headed Australia's largest, and arguably most prestigious, obstetrics and gynaecology unit for the past decade. Under Professor Robinson's direction, the University of Adelaide has built an international reputation for the quality of its research in fetal-maternal health and reproductive medicine and biology, and has been awarded the largest number of competitive research grants over the past 10 years for any Australian university obstetrics and gynaecology unit.

The Deputy Vice-Chancellor (Research), Professor Alan Johnson AM, was appointed a Member in the General Division of the Order of Australia. Professor Johnson's inclusion in the Queen's Birthday Honours was for service to science in the field of molecular parasitology, to scientific research and education, and as Editor-in-Chief of the *International Journal for Parasitology*.

Research Centres

In 2006 the University launched a number of exciting new research centres, covering diverse fields of study ranging from palaeontology to defence systems to psychology. These Centres are dynamic entities that bring together a critical mass of staff under coherent research themes, and reflect the depth and breadth of the research expertise at the University of Adelaide.

Adelaide Proteomics Centre

The world-class Adelaide Proteomics Centre in the School of Molecular and Biomedical Science is the only one of its kind in South Australia, and cements the position of Adelaide scientists as national and international leaders in cancer research. The Centre was built and equipped with the support of a \$1.5 million grant from the Australian Cancer Research Foundation, the biggest-ever private foundation research grant awarded in South Australia. Dr Peter Hoffmann, an internationally renowned Proteomics specialist, was recruited to Adelaide to direct the Centre. Proteomics is a powerful tool in the fight against cancer, as well as a range of other diseases where research requires the observation of proteins at a molecular level. It is the next step on from mapping the human genome. The state-of-the-art technology housed in the Centre will enable scientists at the University of Adelaide and the Hanson Institute to significantly increase their productivity in cancer research.



Centre for Defence Communications and Information Networking

The University of Adelaide has established a new industry-focused centre that aims to play a key role in Australia's growing defence sector. The Centre for Defence Communications and Information Networking specialises in research, consulting and defence capability, with an emphasis on advanced communications systems. It builds on the skills of key staff and associates, who have a combined experience of more than 100 years in industry, government and academia throughout the world. The establishment of the new Centre consolidates the University's core capabilities in modelling and simulation, operational analysis, and network analysis to support the emerging needs of the defence market. It is strategically important to the University's closer engagement with the growing defence industry in South Australia, builds on the existing strong relationship with the DSTO, and complements the existing Centre of Expertise in Phased Array and Microwave Radar and the Centre of Expertise in Photonics.

Australian Centre for Ancient DNA

The Australian Centre for Ancient DNA, a world-leading research unit which traces genetic information from more than 100,000 years ago, was opened in August by the South Australian Premier, the Honourable Mike Rann. The Centre will train a new generation of Australian scientists, using revolutionary techniques to extract ancient genetic material from bones, plants and soils, answering some of the most important questions about environmental and evolutionary change in the southern hemisphere. Professor Alan Cooper was recruited from the University of Oxford in 2005 to head up the Centre, which is intended to put Australia on the international map for ancient DNA research. The Centre has secured a contract with the National Geographic Society to provide ancient DNA information for the "Genographic Project", a major international five-year study to measure male and female genetic markers from human populations around the world to reveal our collective history of evolution, migration and dispersal. The Centre will use ancient DNA to provide a detailed record of the impacts of past climate changes on animal and plant populations, to provide critical information about the likely impacts of current and future changes.

Centre for Treatment of Anxiety and Depression

The Centre for Treatment of Anxiety and Depression is a joint initiative between the School of Psychology at the University of Adelaide and the Central Northern Adelaide Health Service, based at the University's Thebarton Campus. Its main focus is treating patients suffering anxiety and depression using a method known as Cognitive Behavioural Therapy. This therapy lasts between 8 and 12 weeks and has produced significant empirical evidence of success in the treatment of anxiety and depression. The Centre treats hundreds of South Australians free of charge each year and also provides training for University of Adelaide Clinical Psychology Masters students. Mental health is a major health issue in South Australia and the Centre enhances the treatment, teaching and research being carried out in this field.

Australian Centre for Visual Technologies

South Australia's artistic and scientific capabilities render it well placed to play a part in the industries which are developing around the creation and analysis of visual information. The Australian Centre for Visual Technologies provides a means of bringing them together to function cohesively and better capture the benefits of the information economy in this State.

The combined education, communication, and innovation programs of the Centre are designed to provide an environment which promotes the sustained growth of this industry by developing the skilled human resources and intellectual property required by small-to-medium enterprises. Along with the University of Adelaide, participants in the Centre include Rising Sun Pictures, Canon Research Labs Australia, Kukan Studio, DSTO, the South Australian Film Corporation, the University of South Australia and the Adelaide Campus of The Entertainment Technology Unit of CMU.

Commonwealth-Funded Research Centres

National Research Centres

The University of Adelaide is home to, or a significant participant in, the following National Research Centres funded by the Commonwealth Government and research organisations:

Australian Research Council (ARC)

- Special Research Centre for the Molecular Genetics of Development
- Special Research Centre for the Subatomic Structure of Matter

ARC Research Network

- Understanding and Managing Australian Biodiversity

ARC-NHMRC Research Network

- Genes and Environment in Development

Australian Research Council and Grains Research and Development Corporation

- Australian Centre for Plant Functional Genomics

National Biotechnology Centre of Excellence Program

- Australian Centre for Stem Cell Research (partner)

National Health and Medical Research Council

- Program for Early Origins of Adult Disease
- Program in Reproductive Health for Women: From Egg to Embryo
- Program for Understanding the Human Genome: Molecular Mechanisms of Genetic Disease (affiliate)
- Program for Leukocyte and Endothelial Cell Biology (affiliate)
- Program for the Molecular Basis of Bacterial Infectious Diseases (partner)
- Program for a Practical Model of Pig Islet Xenotransplantation (partner)
- Program for Posttraumatic Mental Health: Enhancing Resilience and Recovery (partner)

Cooperative Research Centres

The University is also a core partner, supporting participant or associate in 12 of Australia's 56 Cooperative Research Centres (a Commonwealth Government program linking industry with government and higher education research organisations).

- CRC for Australian Weed Management (core)
- CRC for Beef Genetic Technologies (core)
- CRC for Desert Knowledge (associate)
- eWater CRC (core)
- CRC for Greenhouse Gas Technologies (core)
- CRC for an Internationally Competitive Pork Industry (core)
- CRC for Landscape Environments and Mineral Exploration (core)
- CRC for Molecular Plant Breeding (core)
- CRC for National Plant Biosecurity (supporting)
- CRC for Plant-based Management of Dryland Salinity (core)
- CRC for Sustainable Aquaculture of Finfish (supporting)
- CRC for Water Quality and Treatment (core)

University of Adelaide Research Centres and Units

University-Designated Research Centres

- Australian Institute for Social Research
- Australian Centre for Evolutionary Biology and Biodiversity
- Australian Research Centre for Population Oral Health
- Biocity: Centre for Urban Habitats
- Centre for Biomedical Engineering
- Centre for Early Origins of Adult Health
- Centre for High Performance Integrated Technologies and Systems
- Centre for Human Movement Control
- Centre for International Economic Studies
- Centre for Labour Research
- Centre for Reproductive Health
- Centre for Soil-Plant Interactions
- Institute for Geometry and its Applications

Other University Teaching and Research Centres

- Centre for Australian Indigenous Research and Studies
- Centre for Automotive Safety Research
- Education Centre for Innovation and Commercialisation
- Institute for International Trade
- International Centre for Financial Services
- National Centre for Social Applications of Geographical Information Systems

Faculty Research Groups/Units

- Centre for Asian and Middle Eastern Architecture
- Centre for Functional Genomics in the Productivity and End-use Quality of Cereals
- Centre for History of Food and Drink
- Centre for Improved Business Performance
- Centre for Intercultural Studies and Multicultural Education
- Centre for Internet Technology Research
- Colgate Australian Clinical Dental Research Centre
- Convergent Communications Research Group
- Disabilities Research Unit
- Discourse and Rhetoric Unit
- Forensic Odontology Unit
- Franco-Australia Centre for International Research in Marketing
- Human Cognitive and Applied Decision Making Research Unit
- Joanna Briggs Institute
- Microalgal Biotechnology Group
- Power Systems Dynamics Research Group
- Primary Care Respiratory Unit
- Primary Mental Health Care Research Centre
- Research Centre for South East Asian Ceramics
- TRC Mathematical Modelling
- Turbulence Energy and Combustion Group

Joint University/Other Research Organisation Units

- Adelaide Microarray Facility
- Adelaide Proteomics Facility
- Australian Centre for Visual Technologies
- Centre of Expertise in Photonics
- Ethics Centre of South Australia
- Human Nutrition and Vascular Physiology Research Facility
- Monoclonal Antibody Facility
- SARDI / University of Adelaide Food Safety Alliance
- South Australian Centre for Economic Studies
- South Australian Centre for Rural and Remote Health
- South Australian Partnership for Advanced Computing



INTERNATIONALISATION

The year saw several major achievements in internationalisation.

- The Chinese Government decided to establish a Confucius Institute at the University.
- The University reached its Strategic Plan target for international student enrolments almost two years ahead of schedule, with a growth in international student numbers well above the average for Australian universities.
- The University regained eligibility for AusAID scholarship students.
- The International Student Centre received the national award for most outstanding support program for international students.
- The Chinese Academy of Sciences renewed its research Agreement with the University and broadened the range of our joint activities.
- Major twinning agreements were signed with partner tertiary institutions in China and India.
- The Sarawak State Government signed an agreement for the sponsorship of PhD students.



Confucius Institute

In October the Office of Chinese Language Council International (Hanban) in the Chinese Ministry of Education approved the establishment of a Confucius Institute at the University of Adelaide, in partnership with Shandong University. The Agreement to establish the Institute was signed in Beijing on 10 November, witnessed by the South Australian Minister for Mineral Resources Development. A limited number of Confucius Institutes are being set up around the world in order to provide a focus for the study of Chinese language and culture. This is only the third such Institute in Australia.

The Confucius Institute will provide a special focus for the teaching of Chinese language and culture for the educational, business and wider community in Adelaide, and will enhance the reputation

of the University as a centre of excellence for Chinese studies. Its primary activities will be:

- the provision of instruction in the Chinese language, including the training of local teachers and the development of teaching resource materials for this purpose;
- administering standardised tests of Chinese language proficiency and certifying competence in this language;
- hosting academic and cultural programs on China for the South Australian community;
- providing advice and support regarding China to South Australian businesses;
- participating in the network of Confucius Institutes at a national and international level.

The Confucius Institute is to be located within the University's Centre for Asian Studies and headed by the Professor of Chinese Studies. The Institute is being established in partnership with a leading Chinese university, Shandong University, which is located in the home of Confucius (Shandong Province) and has had a formal relationship with the University for nearly 20 years. An MOU was signed with its President to this effect.

The Confucius Institute will be jointly funded by the University of Adelaide and Hanban. Hanban is providing \$100,000 as a start-up fund, one to two Chinese instructors (including their air fares and salaries), and 3,000 volumes of books, audio-visual, and multimedia materials.

International Enrolments

International student load grew from 3433 EFTSLs in 2005 to 3917 EFTSLs at the end of 2006, an increase of 14.1%. The University's Strategic Plan has as a target that our international student load should reach 4000 EFTSLs by 2008. This target has been almost met two years ahead of schedule. International students now comprise 25.7% of the University's total student load, compared with just 16.7% in 2003—a remarkable increase in just three years.

The total number of international students (persons rather than student load) reached 4,925 in 2006 (an 11.3% increase on the previous year), of whom 730 were enrolled offshore in Singapore and Hong Kong. The most significant growth continued to be in postgraduate coursework programs in the School of Commerce. International students were 22.9% of the University's total students at our campuses in Adelaide.

The growth in international student enrolments was almost double the growth rate for all Australian universities combined. According to AEI figures, there was a 4.8% growth in commencing international students in higher education in Australia during 2006, whereas the increase in commencing students for this University was 9.4%.

The top 10 source countries for international students were, in order: China, Malaysia, Singapore, Hong Kong, USA, India, Japan, Indonesia, Thailand and Vietnam. Students from China are by far the largest group (37%), and increasing rapidly: both in absolute numbers and as a proportion of our international students. 90% of our international students are from Asia.

The Centre for Professional and Continuing Education saw a growing demand from overseas universities, students and corporate groups for short courses for English, business, industry and teaching professionals. In 2006 it conducted these courses for groups from Japan, Taiwan, Korea and China. Its English Language Centre had over 360 students undertaking its Pre-Enrolment English Program (PEP). Over 350 students from 16 different international universities came for short-term study tour programs. PCE started two new programs which attracted a new cohort of international students to the University: the General English for Academic Purposes (GEAP) and the Certificate IV in TESOL. Agreements were



signed with Dankook University (Korea) for its students to enrol in the GEAP, and with the Gyeonggi Provincial Office of Education (Korea) to provide English language courses in Adelaide. PCE also delivers two courses to students of Waseda University in Japan via video over the internet. The courses—Business English, and English for Communication—are delivered in tutorial mode over the full semester, with two 90-minute tutorials a week taught by staff in Adelaide to the students in Tokyo. The courses are assessed by PCE staff, and earn credit towards the Waseda degree. The courses have been offered each semester for the last four years. Each course is limited to four students.

The University received a five-year contract from the Chinese City Mayors Centre to provide an annual training program for Chinese Mayors in Australia. The Institute for International Trade is responsible for designing and delivering the training programs. The inaugural program involved 20 Mayors spending three weeks in Australia from 29 October to 17 November, mostly in Adelaide. Chinese mayors hold considerable influence in China—some have constituencies of over 20 million

people. The tour aimed to give them a better understanding of how the different levels of government operate in Australia; introduce international trade issues and their implications for local and regional government; facilitate opportunities for the private sector in Australia; and discuss specific issues for local government.

The University's Centre for Automotive Safety Research conducted a short course for 17 Thai engineers and policy analysts in Adelaide, funded by the Thai Government's Office of Transport Policy and Planning. It also was invited to provide input into the setting up of crash investigation teams at five Thai universities.

The University took several initiatives in 2006 to strengthen its international student recruitment. Work commenced on planning a web-based on-line application system. Open Days were held in Kuala Lumpur and Singapore on the weekend of 2–3 September; these had an expo component, research forums and information sessions for prospective students. Twinning agreements were signed with two tertiary institutions in China and India, and articulation

agreements with a number of institutions. Agents from selected overseas markets were brought to Adelaide to familiarise themselves with the University and the city. The International Office started a regular email newsletter for our international agents.

Particular attention was given to diversifying the University's recruitment across a range of countries (to manage risk and enhance cultural diversity) and areas of study (spreading internationalisation across all Faculties). Extra attention was given to the Gulf States and to emerging markets such as Thailand, Vietnam and Korea. The University took its first cohort of sponsored students from Saudi Arabia, and negotiated similar arrangements with Vietnam. The University expanded on its re-entry the previous year into the Indonesian market: reticence about travel to Indonesia (because of the DFAT travel advisories) has been replaced with strong Faculty interest in travelling to Indonesia to recruit postgraduate students in particular. Particular emphasis was placed on regaining the University's eligibility for AusAID scholarships. This occurred in 2006, with 14 commencing AusAID students. As a consequence, the University is once again in a position to contribute significantly to the process of capacity building in developing nations in the Asian region.

Ms Joanne Barker took up her appointment as the new Director of the International Office in April.

Education services are Australia's fourth largest export earner, and higher education accounts for the biggest slice of this revenue. Not surprisingly, therefore, there is increasing interest being shown from many quarters in the growth achieved by the University of Adelaide in this area in recent years. Thus, for example, the University was specially invited to participate in the Inaugural Top Exporters Round Table – South Australia, hosted by Austrade and the Australian Export Awards Program, on 16 June. The University also responded to a survey by the South Australian Export Council on key barriers and issues impacting on our performance in this area, identifying four issues for attention: the low number of international flights directly into Adelaide; the relatively low level of awareness of Adelaide overseas; the need for better coordination between different education sectors; and job opportunities in Adelaide for international students after graduation.



International Agreements and Links

Forty-two international agreements were signed by the University in 2006. Some of these were renewals of existing agreements, while others were specific agreement schedules that flowed from previously signed MOUs.

Relationships with universities and research institutions in Asia were the focus for 79% of the agreements. The countries most strongly represented among the new agreements were China (10), Japan (5), Malaysia (4), India (3), Korea (3) and Thailand (3). Other countries involved were Canada, Denmark, Germany, Indonesia, Italy, Pakistan, Sweden, Taiwan, the UK, the USA and Vietnam. This geographical spread reflects the source countries of our international students and the University's increasing engagement with Asia for research and teaching purposes. There are already longstanding agreements with many North American and European universities.

Major international agreements signed by the University during 2006 included those with the following partners:

- The Chinese Academy of Sciences and with its Research Center for Eco-Environmental Sciences—the existing MOU was renewed for five years, and extended to include not only the research into soil quality that has been so successful, but also research into water quality.
- Chinese Language Council International (Hanban) (China)—to establish a Confucius Institute at the University of Adelaide. This Institute will play a key role in the teaching of Chinese language and culture to the educational and business communities in Adelaide.
- Shandong University (China)—for collaboration towards the establishment and operation of the Confucius Institute at the University of Adelaide.
- Global Academy of Technology (India)—a twinning agreement. The first year of the University's Bachelor of Computer Science and the first two years of the University's Bachelor of Engineering (in three areas) will be taught by GAT staff in Bangalore. This is the first twinning program in India for the University.
- Indian Institute of Vine and Wine (India)—to provide postgraduate studies for IIVW staff in viticulture, oenology and wine business, and expert advice for the establishment and development of this Institute in Maharashtra State.
- Sarawak State Government (Malaysia)—for research collaboration and for the Sarawak Government to sponsor postgraduate research students working on projects in designated priority areas at the University.
- Tsinghua University (China)—an undergraduate twinning agreement in Commerce, Economics and Finance.



The University's growing involvement with major institutions in China has reached the point where a person dedicated to the development and management of these relationships has become necessary. Ms Sandy McConachy was appointed to fill this position within the Office of the Pro Vice-Chancellor (International). The University established a high-level Joint Working Party with Tsinghua University in China to investigate opportunities for possible further research and teaching collaboration, and a high-level delegation visited Tsinghua University in September to explore these possibilities further. The University was strongly represented at the first Australia–China Symposium on Science, Technology and Education, held in Sydney on 12–13 August. Moreover, Professor Andrew Smith from the School of Earth and Environmental Sciences is a member of the Australia–China Joint Science and Technology Commission, which oversees Australia–China joint programs funded by DEST.

A University of Adelaide team gave a successful five-day course on "Writing a scientific article in English for submission to an international journal", as part of the summer program of the Graduate University of the Chinese Academy of Sciences (CAS). Sponsorship was provided by BHP Billiton as part of their educational

program in China. The team taught some 130 postgraduate students from CAS institutes.

During the year negotiations took place to develop a joint masters degree in addiction studies between the University's Faculty of Health Sciences, Kings College London and the Commonwealth University in Virginia, USA. The curriculum will be jointly developed, and offered by distance education. These discussions are well advanced, with the program expected to commence in 2008. During 2006 the University took its first students undertaking a joint PhD (Cotutelle de Thèse) with French universities, under a policy framework approved the previous year. The University offers joint Masters programs in Comparative Law with the University of Mannheim in Germany and in Wine Business with the University of Capetown in South Africa.

During 2006, extensive overseas missions were undertaken by the Pro Vice-Chancellor (International), the Academic Director (Asia), staff in the International Office, and the Associate Deans (International) of the Faculties. These missions were for marketing and student recruitment, and to develop links with partner institutions.

In turn, the University hosted 37 visits by delegations from overseas countries during

2006. Delegations included Presidents/ Vice-Presidents from universities in Canada, China, Germany, Hong Kong, India, Indonesia, Malaysia and Pakistan as well as Ambassadorial visitors from France, Iran, Italy, Malaysia and Mexico, and from a scholarship sponsoring body in Vietnam. Notable visiting delegations came from Tsinghua University, and from the Research Center for Eco-Environmental Sciences within the Chinese Academy of Sciences for water research collaboration. The Secretary for Science, Technology and Innovative Production of the Argentine Republic and the Chairman of the Indage Group in India included in their itineraries a tour of the Australian Centre for Plant Functional Genomics and the Waite campus.



Adelaide Students Studying Overseas

Internationalisation is not just about recruiting international students to come to Adelaide. It is also about making it possible for local students to study for a semester or two at an overseas university as part of their University of Adelaide degree. As one of its internationalisation strategies, the University seeks to increase the proportion of its students doing this.

In 2006, 133 University of Adelaide students participated in overseas study, an increase of 24%. Half of these students took advantage of the OS-HELP loans offered through DEST, which was a large increase on 19% in the previous year. A number of students received externally-funded student exchange scholarships from the Cheung Kong and University Mobility in the Asia-Pacific (UMAP) Awards. The undergraduate scholarships in 2006 were for 14 students to study in Chile, China, Hong Kong, Japan, Korea, Thailand, and the USA—this was the second-highest number of Cheung Kong Awards of any Australian university. For the postgraduate Endeavour Australia Cheung Kong Awards, the University did exceptionally well, gaining five of the 13 awards for outgoing students. It also won one 2006 Endeavour Award for Malaysia for an incoming person from the University of Malaya. A University of Adelaide student was also awarded a Taiwan Ministry of Education Mandarin

Scholarship to attend Chinese language courses at Feng Chia University for 12 months.

The University was granted DEST funding for a student exchange program in ethics and human rights between four Australian universities (ANU, Adelaide, Melbourne and Charles Sturt) and four European universities (Lancaster, Helsinki, Bielefeld in Germany, and Luiss in Rome). Forty Australian undergraduates will go to these universities. This funding is part of the EU/Australia Cooperation in Higher Education scheme.

During the year the University increased the number of student exchange agreements signed with quality universities overseas, adding universities in Canada, Denmark, Japan, Korea, Sweden, Thailand, UK and the USA. It also held a student exchange fair on campus to encourage Adelaide students to consider overseas study and to discuss this with representatives of the exchange partner institutions. There was a notable increase in interest by our students in studying abroad. This included a significant number of international students wanting to include in their degree some study in a third country.

The University welcomes the funding by the Australian Minister for Education, Science and Training for a project to increase the number of Australians who study overseas.

There was a notable increase in interest by our students in studying abroad. This included a significant number of international students wanting to include in their degree some study in a third country.

Internationalisation of the Campus

The University's Cultural Awareness Program was designed and provided by the Centre for Learning and Professional Development (CLPD) in collaboration with experts from the Integrated Bridging Program of the Adelaide Graduate Centre. Four modules on cultural awareness were provided centrally and attended by 73 professional and academic staff. In addition, discipline-specific modules were offered, and 26 staff attended cultural awareness workshops specifically designed for groups of staff on the Roseworthy campus and in the Barr Smith Library.

A video project on the pronunciation, structure and meanings of names from different cultures was undertaken, with students and staff providing information from their own cultural backgrounds. The resulting DVD, completed in December, will be used in CLPD staff development sessions in 2007.

The booklet *Meeting the needs of international students: Guidelines for Staff* was further revised following feedback from participants, and is available on the CLPD's Cultural Awareness website.

Associate Professor Holger Maier was awarded one of the most prestigious teaching prizes in Australia—a University Award for Teaching Excellence by the Carrick Institute for Learning and Teaching in Higher Education—for a program which the University lists as an exemplar of best practice for internationalisation of the curriculum. His course, "Environmental Engineering II", includes an international simulation: Mekong e-Sim, an online role-play simulation designed to enhance students' problem-solving abilities and help them experience the impact of engineering projects on society.

Management of the University's International Activities

The Internationalisation Committee met five times during the year. Policy issues it considered included the University's internationalisation strategy, international scholarships, interactions between international and local students, quality assurance measures for offshore courses, the Bologna Process, outgoing study abroad students, plagiarism policy offshore, and key performance indicators for offshore teaching.

The international marketing roundtable met four times to exchange information related to particular markets. Markets covered in these roundtable meetings in 2006 were India, Korea, Malaysia and Vietnam.

These two bodies, plus the weekly international activities email bulletin, have led to significant information sharing and coordination of the University's international activities.

Three Faculties established Internationalisation Committees as well. These committees are chaired by their respective Associate Deans (International) and include representatives from each School. Faculties are active in international student recruitment and marketing missions, in establishing research linkages overseas, and (in the case of two Faculties) in offshore teaching.

The University set up an International Compliance Steering Committee also, and appointed an International Compliance Coordinator. Both measures were designed to ensure that the University is fully compliant with national codes governing international education: the ESOS National Code of Practice and the *AVCC Provision of Education to International Students: Code of Practice and Guidelines for Australian Universities*.

It has been very pleasing also to have contributed to the improved performance of Education Adelaide and the continued success of University Senior College in 2006.

Quality Assurance

The University is committed to offering high-quality education and services to international students, and to the monitoring of this quality. Several steps were undertaken during the year to strengthen this:

- A working party developed a revised Offshore Quality Assurance Framework.
- The University continued to strengthen its procedures for those international agreements which could expose the University to significant risk. Due diligence checklists were prepared; additional template agreements were drafted; external advice was obtained on possible taxation of offshore teaching activities in the countries concerned; steering groups were established to exercise oversight of three new proposed overseas teaching activities (leading in one case to a decision not to proceed); and the decision to renew an offshore teaching venture that was about to expire was preceded by comprehensive financial modelling and followed by the drafting of a more detailed Agreement.
- The School of Commerce surveyed its students who transferred to Adelaide from twinning programs in Malaysia, to evaluate their transition from offshore to onshore studies. The findings had several implications for teaching in twinning programs, which have been fed into the School's planning.
- The mentoring scheme for Master of Engineering international students was evaluated. The scheme consists of bridging courses, a credit-bearing course in communication and critical thinking, welcome events, scheduled meetings with mentors in weeks 2, 6 and 11, and availability of mentors to help at other times if study problems have been encountered. The evidence to date from lecturers, mentors and students suggests that the program is having a positive effect on the students' adjustment to the ME program, their progress towards independent learning and their academic performance.

Student Support Services

The International Student Centre (ISC) remains the first point of contact for international students studying on campuses in Adelaide. In 2006, the ISC managed 18 separate intakes providing a wide range of on-arrival services, including airport reception, temporary accommodation, and orientation workshops and presentations. The ISC continues to run one of the most extensive orientation programs available to international students attending an Australian university. Prior to the commencement of each semester, the Centre runs a two-week program incorporating presentations and workshops provided by a wide range of University services and community organisations. Integral to the successful adjustment of newly-arrived students is the assistance provided by the Peer Mentors. In 2006, 70 Peer Mentors played a major role in coordinating tours and social activities to welcome new students. The Peer Mentor program received the national award for the most outstanding international student support program at the ISANA: International Education Association's annual conference. The award is based on nominations by students, with the National Liaison Committee for International Students in Australia deciding the winner.

The Faculty of Engineering, Computer and Mathematical Sciences ran a pilot masters-level mentoring scheme for international students in the School of Electrical and Electronic Engineering.

January saw the return of AusAID-funded scholarship holders to the University through the Australian Partnership Scheme (APS). This particular scholarship formed an important part of the Tsunami aid package provided by the Commonwealth to the Indonesian Government and created opportunities for students to undertake Master level programs. In August, the University signed an agreement to provide educational services from 2007 onwards to students receiving other AusAID-funded scholarships, including Australian Development Scholarships (ADS) and the newly-created Australian Leadership Awards (ALA). In Semester 2, the University received applications from students under each of the scholarship programs, demonstrating the popularity of many of our postgraduate offerings to aid recipient countries.

An Introductory Academic Program was introduced for AusAID students.



This five-week full-time program helps international students prepare for postgraduate studies by developing writing, speaking, researching, teamwork and organisational skills.

This year saw a major review and launch of the new international section of the website. Student feedback was integral to the review and development process.

The International Student Centre continues to monitor the academic results of all coursework students and contacts those students who are deemed "at risk" (as measured by Grade Point Average) to meet with an advisor to discuss their studies.

The University Village was officially opened in February following the completion of Stage 2. The Village has been highly successful in providing accommodation, particularly for international students.

A working party was established to propose an action plan for promoting the interaction between local and international students at the University, both within programs and courses offered by the University, and in the campus life of the University generally. The working party will report in 2007.

The University introduced a policy requiring all commencing international students, and continuing international students who need a new Confirmation of Enrolment, to take out program-length health insurance cover as a condition of their enrolment at the University. This policy helps to ensure that international students successfully comply with the DIAC student visa condition. The University also contributed detailed comments to the public exposure draft of the new National Code of Practice for ESOS providers.

The Overseas Students Association (OSA)

The OSA council has representation on many committees within the Adelaide University Union and the University of Adelaide. In these meetings the OSA acts as the voice of international students. The President of the OSA served on the University's Internationalisation Committee and brought international student concerns to the attention of the Executive Director of Student and Staff Services. Two members of the OSA council represented the OSA at the annual conference of the NLC, the peak representative body for international students in Australia.

The Overseas Students Association took the lead in encouraging increased interaction between international and Australian students. A "Pancake Festival" was held to promote greater interaction between local and international students. More than 100 people attended this event.

OSA held a three-day Multicultural Week for the whole campus community. This included cultural performances, a variety of national cuisines, and a cultural-knowledge quiz. These activities were very popular among students (both international and local), who were able to sample the cultural diversity of the University community and our world. About 80 people participated in the OSA paint ball competition, and 400 people attended the "international students party-globalize".

The Association continued to provide a range of services for international students in 2006. A record number of new international students took part in OSA orientation activities, which included a free BBQ and free T-shirts for new international students.

The Tasks Ahead

2006 was a year of substantial achievement for the University in its international activities. Further attention needs to be given to a number of issues in 2007. These include: the quality of the international student experience (including ways of enhancing mixing of international and domestic students); diversifying the countries from which the University draws its international students, so it does not become overly dependent on one market (China); the English level requirement for admission and English language support services available for our international students; appointing an Academic Director for the Ngee Ann-Adelaide Education Centre in Singapore; evaluating the academic effectiveness of our foundation and bridging programs; addressing the new requirements of the revised ESOS National Code; and preparing for the 2008 AUQA audit of the University's international activities.



COMMUNITY ENGAGEMENT

The University of Adelaide undertakes a comprehensive range of community engagement and outreach activities, which both involve and benefit people and organisations outside of the University community—locally, nationally and internationally. Many of these activities arise directly from the University's core academic business of Learning and Teaching and Research and Research Training, and are referred to elsewhere in this report. They include service by staff to industry, professional, government and cultural bodies, and participation across all areas in major research and teaching partnerships and projects with government, education and industry sectors.

This chapter reports on community engagement activities in a range of non-Faculty areas, and on other activities that complement and extend the academic functions of the area to which they are attached.



Art & Heritage Collections

Art & Heritage Collections staff look after the collections of the University and facilitate several streams of public programs connecting arts and culture with the academic disciplines of the University.

In 2006, Art & Heritage Collections launched their custom-built collection database, which is suited for various types of objects and collections and allows for integration of data while maintaining the identity of collections. The Visual Art Collection was the first one to be entered on the new system, but in preparation for data entry a landmark project was completed—cataloguing of the Physics Museum. This project was fully supported by Physics academic staff, some of them retired, who came in to identify equipment. All artefacts have been identified, photographed and entered onto an accession sheet and are awaiting assessment. There are 414 items on the Physics Museum catalogue. This was a pilot project to test the database and

catalogue accession sheets. Across the University there are close to 30,000 objects in total to be catalogued.

Two special projects facilitated by Art & Heritage Collections contributed to the broader public profile of the University in 2006. The first was *A Place in the World*, a national art prize which was produced as part of the Association of Commonwealth Universities (ACU) Conference hosted by the University in April 2006. The prize attracted 64 entries from 19 universities around the nation. The winning work became part of the ACU collection and the second prize-winning work is now part of the University of Adelaide's Visual Art collection. The visual art prize showcased the University's ability to generate national attention by supporting art and culture within a university environment.

The second special project was a Reconciliation Week *Handshake Ceremony*. This was part of the reconciliation process in which the University is engaged and also

of the collaboration between Art & Heritage Collections and the University's Gender Equity and Diversity Committee. One of the outcomes of the reconciliation process will be the Reconciliation Sculpture by artists Karen Casey and Darryl Cowie, which is to be unveiled on Goodman Crescent in 2007. As part of community consultation and outreach, a handshake ceremony was organised where an inside imprint of a handshake was taken. Over 1000 people attended the event and 64 handshake imprints were taken. These imprints will be used in the final design for the sculpture.

In addition to these two special events and behind the scenes work on collections, Art & Heritage Collections staff collaborated across University disciplines to produce 31 events, ranging from lectures, exhibitions, panel discussions, guided tours and artist talks. Art & Heritage Collections activities on the University's Open Day in August attracted 800 visitors.

Certified Practising Marketer (CPM) Events

In 2006 the University showed its ongoing commitment to community engagement by having the Marketing and Strategic Communications Branch organise and host a series of CPM events on behalf of the Australian Marketing Institute. The University hosted three events covering key marketing topics; relationship management in the marketing process, media engagement, and event management in the marketing mix.

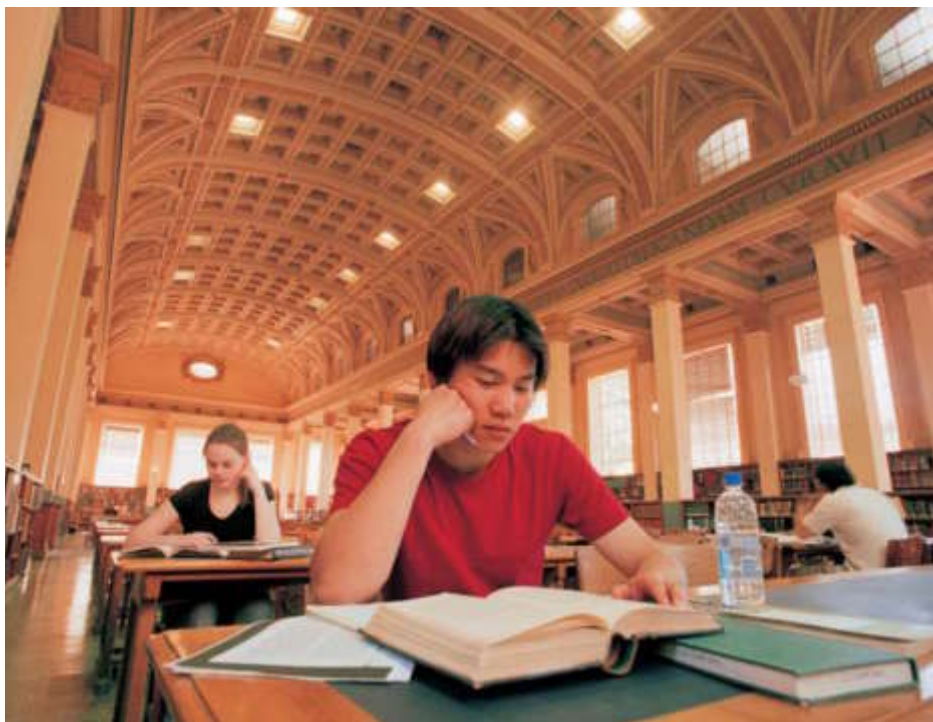
Relationship management in the marketing process featured Dr Sally Rao from the School of Commerce, who is a specialist in relationship marketing and e-commerce. Her presentation was followed by a panel discussion, with each member talking about their very different experiences and how building and managing relationships is vitally important in their own area of expertise. The panel consisted of:

- Bob Shepard, former Senior Trade Commissioner (Dubai), who discussed how establishing relationships and credibility in the Middle East is a prerequisite to any business; and
- Rosslyn Cox, business development manager of the Don Dunstan Foundation, who spoke about the importance of relationship management in cause-related and social justice marketing.

Media engagement is an important aspect of planning the reach and frequency of campaigns. In the University's second CPM event, Starcom's Anthony Coles, one of South Australia's leading experts on interactive marketing and director of strategy planning at Starcom, and Michael Neale, the University's Director of Marketing & Strategic Communications, unpacked the complexities of the media environment and demonstrated how to engage target audiences with their brand.

Event management in the marketing mix was presented by the University's Marketing Project Manager, Anouska Kranz. This drew upon the experience of the University's new-look Open Day to highlight how events can feature as a key element within an organisation's marketing mix.

These seminars featured key academics, professional staff and stakeholders of the University and offered Adelaide's marketing community the opportunity to listen to leading researchers and marketing professionals, interact, ask questions and have their say.



The Heritage Foundation Committee is working very hard on re-engaging alumni and friends of the University who have a special interest in supporting the preservation of the University's heritage-listed buildings.

Development and Alumni

Strategic Directions

On 15 August 2006, the Vice-Chancellor announced a review of the organisational structure of the central service divisions of the University, which was followed by an extensive consultation process. It was decided that the Development and Alumni office would report directly to the Vice-Chancellor from 1 January 2007, as its role as the facilitator of fundraising and alumni relations at the University is seen as an area of growing importance and as such requires the office working very closely with the Vice-Chancellor.

In August 2006, Council agreed to review alumni arrangements at the University of Adelaide, including the governance and structure of the Alumni Association. The Vice-Chancellor subsequently commissioned an external review. The report recommended integrating the objectives and activities of the Alumni Association into the structure and operations of the University, and

dissolving the Alumni Association in its current form. This "integrated" model includes formal provision for an Alumni Advisory Committee to advise and assist the University on strategy and policy and the development of new initiatives, thereby building on the enthusiasm and knowledge of volunteer alumni members; and a substantial strengthening of the University's strategic and management frameworks as they relate to alumni relations. The final report was considered at the 4 December 2006 meeting of Council and there was unanimous agreement for the implementation of the recommendations in the report. This decision affirms strongly and clearly that alumni relations is a core function of the University, and challenges the University to take its organisational capability in alumni relations to a new level, thereby benefiting to an even greater degree from the advice and assistance of our many active and committed alumni.

Communication

The University's bi-annual magazine *Lumen* showcases the achievements of the University, its staff, students and alumni through stories that are of interest to alumni, government and industry. Each issue of *Lumen* highlights the latest research and educational strengths of the University and provides a forum for sharing the achievements of alumni with over 47,000 readers around the world.

The Alumni web site provides a portal for alumni to access the latest information about events, giving to the University, chapters and networks, volunteering, merchandise and more. On-line facilities are available for alumni to register or update their details and to subscribe to a range of electronic publications. One such publication is *Adelaide-Link*, the University's on-line alumni newsletter. In 2006, *Adelaide-Link* was sent to over 5,800 subscribers each issue.

The Perpetual Email Service (graduates of 2003 onwards) was extended to the graduates of 2006, with over 4,500 alumni now using this service to stay connected with the University and each other.

Appointments

In August 2006 Ms Robyn Brown, Manager, Fundraising and Development was appointed as the new Director, Development and Alumni following Ms Anne Gribbin's move to Queensland to take up an appointment at Griffith University.

Events

The Golden Jubilee Reunion was held on Friday 13 October for 97 returning graduates from 1956. The Golden Jubilee address was delivered by Mrs Elizabeth Silsbury OAM (BA 1956).

The University of Adelaide was a key sponsor of the Australian Universities International Alumni Convention, held in Brisbane in September 2006. The Vice-Chancellor and Development and Alumni staff joined a large contingent of international alumni at this event, with many of these alumni returning to Adelaide following the convention for Homecoming celebrations.

There were numerous international alumni gatherings around the world during 2006, either hosted or attended by visiting University staff, including several senior managers. These events were held in various locations in North America, Europe and Asia.

Heritage

The Heritage Foundation Committee is working very hard on re-engaging alumni and friends of the University who have a special interest in supporting the preservation of the University's heritage-listed buildings. The Committee is also intent on building relationships with Government and industry to highlight the special nature of the University's elegant sandstone buildings on the prominent North Terrace boulevard and their impact on the city's vibrant cultural and tourist aspect.

Heritage events both locally and overseas have been successful in encouraging gifts to the Heritage Foundation. The State Government's \$1 million gift was a highlight of 2006 and recognised the value of the University's historic structures—not only to the University, but also to the State and people of South Australia.

Annual Appeals

To continue enhancing support for the University through fundraising, two direct mail appeals were held in 2006.

The Barr Smith Library Appeal funded the purchase of 500 titles which would not otherwise have been acquired, contributing to the breadth of collections in areas where current reading is expected to maintain general knowledge and to the purchase of expensive specialised titles, enhancing the Library's research resource capability.

The Vice-Chancellor's Scholarships Fund, supported by the annual appeal, provides for many worthy students who are faced with financial barriers to study, from rising course fees to the cost of living. When coming to Adelaide from the country or interstate, these challenges may be even greater and at least one scholarship each year is awarded to a student from a rural area.

Both of these appeals achieved an increase in donations over previous years, confirming that the alumni and friends of the University support our current programs and students.

Scholarships

Scholarships continue to provide a benefit to students studying across a broad range of University programs, degrees and faculties.

The 2006 scholarship program gained support from two key groups, SA Water and the mining industry. SA Water provided nine scholarships for students studying engineering and business and included support for Indigenous students. The mining industry offered to provide scholarships for students enrolled for the first time in the University's new Engineering (Mining) degree, demonstrating their appreciation and support for the University's initiative in looking to future graduate employment and growth in this industry.

Private individuals, community groups and the corporate and government sectors support the University's scholarship program. Their generous donations allow the University to encourage and reward students: elite athletes studying at University while competing in national and international sporting events; gifted scholars; students from disadvantaged backgrounds, including those from other countries; and students from rural areas.

Chapters

The University has 17 alumni chapters. Eleven are based in Adelaide, one in Sydney and one each in Kuala Lumpur, Sarawak, Singapore, Hong Kong and the United Kingdom. Many successful chapter events were held in 2006, including film nights, fundraising dinners, seminars and quiz nights.

The John Bray Law Chapter held a very successful seminar, attended by approximately 500 people, entitled "Politics, Power, Justice and the Media: Controversies from the Stuart Case". The seminar was presented by Mr Geoffrey Robertson QC with the Hon. John von Doussa QC introducing the keynote speaker, the Hon. Justice Michael Kirby AC CMG.

The University's newest chapter, the Entrepreneurship and Commercialisation Alumni Chapter, was launched on 14 December at the Education Centre for Innovation and Commercialisation (ECIC) Christmas Party. The Chapter's vision is to enrich business communities, develop future leaders and ensure the continuation of excellence in the Education Centre for Innovation and Commercialisation.

Awards

Mutual Community Postgraduate Travel Grants

Dr Archana Pradhan –
Faculty of Health Sciences,
School of Dentistry

Ms Megan Garvey –
Faculty of Sciences, School
of Chemistry & Physics

Ms Monika Erkelens –
Faculty of Health Sciences,
School of Medicine (Psychiatry)

Ms Emily Kilpatrick –
Faculty of Humanities &
Social Sciences, Elder
Conservatorium of Music

AUGU/RC Heddle Award

Ms Gretel Png –
Faculty of Engineering, Computer &
Mathematical Sciences, School of
Electrical & Electronic Engineering

AUIAC Grant Scheme

Mr David Goh Singapore Chapter

Mr Roger Chan Sarawak Chapter

Mr Lee Chee Meng West Malaysia Chapter

Mrs Piyakul Oparcharoen Thailand

Honours Alumni University Medal

Mr Adam Christopher Palmer –
Faculty of Sciences, School of
Molecular & Biomedical Science

Postgraduate Alumni University Medal

Dr Mark McDonnell –
Faculty of Engineering, Computer & Mathematical
Sciences, School of Electrical & Electronic Engineering

ROCA Award of Merit

Brian Rex Wilson –
for considerable influence in developing highly successful
new technology in the farming industry and agribusiness.

ROCA Student Prizes

Gold Medal:

Iain A Steenson

The ROCA Old Students Cup and Trophy:

Graham Edward Turner

The Old Scholars Trophy for Leadership to Campus Sport:

Kerry Allen

Tours

The University of Adelaide offers tours across its four campuses and also the National Wine Centre. The tours are conducted by experienced guides, some of them graduates of the University. Throughout 2006, approximately 50 History and Heritage tours were taken up by community groups such as Probus, the general public, international visitors to the University and staff members.



Elder Conservatorium: Lunch Hour Concerts

The 2006 Elder Hall Lunch Hour Concert Series continued to be one of the most popular events on the North Terrace campus. Presented by staff and students from the Elder Conservatorium, with many visiting artists from interstate and overseas, the concerts drew consistently large audiences, with a number of sold-out performances. There were 16,234 tickets sold over 30 concerts, giving an average attendance of 541 per concert.

The opening concert on 17 March by the Macquarie Trio attracted a record number of people. The queue stretched from Elder Hall to North Terrace and the concert was sold out within 20 minutes. More than 200 people were turned away and those lucky enough to get a seat were treated to a magnificent performance. This set the tone for the remainder of the first semester, which included some memorable concerts. The Australian String Quartet was joined by Catherine McCorkill for a performance of the *Clarinet Quintet* by Mozart, and Russian pianists Igor Machlak and Olga Kharitonova chose Rachmaninov and Stravinsky for their inaugural concert in Adelaide. The series also included student performances by flautist Amy Ellks and pianist Yuh T'Sun Wu, both performing concertos by Mozart.

The second series opened on 4 August with a concert by visiting students from the National Academy of Music in a concert of

works by Nielsen, Haydn and Damase.

On 20 October, the Elder Conservatorium honoured Lance Dossor with a special memorial concert. Recruited by Professor John Bishop in 1953 from the Royal College of Music, Mr Dossor joined the piano staff for an initial three-year contract. He stayed and became a central figure in the musical life of the University. In total his teaching career at the Conservatorium spanned some 47 years. The concert in his honour featured chamber music performed by the Head of Keyboard, Dr David Lockett and cellist Janis Laurs, and solo works by Debussy performed by Stefan Ammer, a former Head of Keyboard.

The second semester concluded with the Beta Sigma Phi Music Awards. This competition was open to all undergraduate classical music students at the Conservatorium and first prize was awarded to percussionist Ryan Simm, who gave an impressive performance of a new work by Serbian composer Nebojsa Zivkovic. Ryan was completing his honours year of the Bachelor of Music (Performance) program.

The success of this series was also due to the financial support provided by the Doris West Bequest, which enabled the Elder Conservatorium to engage such a diverse range of visiting artists throughout the year.



Elder Conservatorium: Evening Concerts

The Evening Concert Series in 2006 presented five concerts featuring the Conservatorium's premier large ensembles: Elder Conservatorium Symphony and Chamber Orchestras, Elder Conservatorium Wind Orchestra and the Elder Conservatorium Big Band with high profile jazz saxophonist, composer and arranger, Bob Mintzer from New York.

The Elder Conservatorium Chorale, directed by Carl Crossin, performed to critical acclaim in 2006 as the Adelaide Symphony Chorus, in a major collaboration with the Adelaide Symphony Orchestra at the Festival Centre in two performances, one in June and one in October.

The evening series opened on 10 June with the Symphony Orchestra and featured Honours Performance student Katy Hermann (French Horn).

The Conservatorium was fortunate to receive sponsorship from the Helpmann Academy to invite distinguished jazz saxophonist Bob Mintzer for a week's residency in August, which culminated in a sell-out performance of the jazz concert on 12 August.

Graduate Sky Ingram, soprano, featured in the Chamber Orchestra concert on 9 September, performing Mozart's *Exsultate Jubilate*, while the Tribute concert on 14 October featuring the

Elder Conservatorium Wind Orchestra performed a number of works commissioned by distinguished wind orchestra conductor and composer, Timothy Reynish, in memory of his son, who was killed in a mountaineering accident.

The Finale concert on 25 November featured cellist Louise McKay performing the Dvorak *Cello Concerto*, with the Symphony Orchestra conducted by Keith Crellin.

All concerts in the series attracted excellent audiences, with the Mintzer and Finale concerts playing to full houses.

In 2006 the Conservatorium presented a two-night opera workshop, *Masquerade*, directed by Felecia Hick in Bonython Hall. The first half of the evening featured *Festino* by Banchieri and the second half saw a performance of Act II of Strauss's *Die Fledermaus*. This event was presented "in the round" and had a "byo" supper format, which proved to be very popular, with sold-out houses on both nights.

The concert series and the opera were generously supported by ETSA Utilities, Helpmann Academy, Peter Lehmann Wines, Wirra Wirra Vineyards, Cooper's Brewery and Radio Adelaide.

Life Impact

In late 2003, the University of Adelaide launched its first brand advertising campaign, known as "Life Impact". The campaign won an Australian Marketing Institute award for marketing excellence in 2004. Life Impact was extremely successful in highlighting the positive impact that the University of Adelaide can have on its students, and through them on the broader community. The campaign was designed to be very positive in its approach, inspiring university participation in general (and hence school retention) as well as promoting the excellence of the University of Adelaide specifically. Constant market research and measurement of attitudes resulting from the campaign allowed Life Impact to be modified to address these specific objectives more precisely. As a consequence, in 2006 Life Impact won two further marketing excellence awards from the Australian Marketing Institute—one for Education Marketing and another for Corporate Social Responsibility.

However, by the end of 2005, it was clear that the campaign was losing cut-through (the ability for advertisements to be noticed), particularly within the younger target audiences. To address this, in 2006 the University turned to its own students, using an innovative web-based campaign. Building on the existing concepts, the new phase of the campaign concentrated on life on campus rather than after graduation, to help school students feel more familiar with on campus culture.

In "Life Impact on Campus", Bachelor of Media students studying video production produced 12 short films about students, researchers and lecturers at the University to provide a student view of what life is like at university. The films were presented to the public on a web site and people were invited to vote for the ones they believe should be turned into broadcast television commercials. Other Media students, doing multimedia production, contributed to the design of the website and managed site feedback.

In addition to the three student-made films that were selected to be made into broadcast television commercials, a 60-second montage advertisement was made that included the work of all the film-makers.

Independent market research has indicated that the 2006 "Life Impact on Campus" phase was very successful, with levels of prompted advertisement recall, as a measure of cut-through, returning to the very high levels that were obtained when Life Impact was first launched.

Open Day 2006

On Sunday 20 August 2006m the University hosted its annual Open Day. A number of different activities were developed to encourage broader community interaction, including the Battle of the Bands competition, introduced for the first time in 2006, which attracted many people who would not normally visit the University.

Market research conducted on the day indicated that Open Day was a great success, with a conservative estimate of 10,802 people attending, an increase of 84% from 2005 attendance numbers. Of those who attended, 90% said they found the day appealing, 70% that they were likely to attend Open Day again, and 95% that they would recommend Open Day to their family and friends. Of those who said they were considering undertaking university study, 75% felt that Open Day made them more likely to attend the University of Adelaide.

Open Day 2006 coincided with the conclusion of South Australian Living Artists (SALA) week. In order to tie in with this cultural event, the University of Adelaide implemented a Street Art project, where three Adelaide-based artists were used throughout the week leading up to Open Day. The artists were provided with the brief to paint something that represented the impact the University has on the life of the community. This project provided a creative and innovative alternative for promoting Open Day.

As this was the first time artists had been used in this way around the city of Adelaide to promote an event, the Street Art project generated a considerable amount of public and media interest, including radio, television and newspaper coverage. Throughout the week the project also attracted interest from members of the public, with many stopping for long periods to watch the artists at work. Overall, the project was very well received by the Adelaide public.

In September 2006, the University of Adelaide was presented with a National Award for Marketing Excellence in the category of Social Marketing in South Australia for its 2005 Open Day.

Professional and Continuing Education

Professional and Continuing Education (PCE) plays an important role in linking the University with the local, national and international community. In 2006, over 4500 students studied with PCE in education programs ranging from short community and professional development courses, certificate courses, study tours and preparation programs.

PCE offers its programs through three business streams: Community Programs, Professional Education and the English Language Centre (ELC). All programs are developed in consultation with the community, business and the University and are presented by the highest quality teachers and lecturers.

PCE's Professional Development Programs enrolled more than 950 people in public courses throughout 2006, an increase of 20% on 2005 figures, and delivered over 60 tailored training solutions to another 1000 participants. Tailored training was developed and delivered for local, national and international corporate clients in both the public and private sector.

In 2006, 870 students studied in PCE's Year 12 Holiday Revision Program. The program offers subject preparation and study skills courses designed to assist Year 11 and 12 students achieve their full academic potential and prepare for future tertiary study. The program runs during school holidays throughout the year, supporting University recruitment efforts by raising awareness of the University throughout secondary schools.

PCE welcomed 16 Study Tour groups in 2006. The groups, from China, Japan, Thailand, Taiwan and Korea, came to the University for between two and twelve weeks and studied programs developed to meet specific educational needs in subject areas including English, Australian culture and TESOL Methodology.

While the nation is seeing a downturn in the study of foreign languages, PCE's community language program continued to thrive. The combination of Summer School, Full Year and Short Courses attracted over 750 learners across a selection of 10



While the nation is seeing a downturn in the study of foreign languages, PCE's community language program continued to thrive... The most popular languages in 2006 were Chinese, Italian and Spanish, both of which enjoyed unprecedented student numbers

languages in over 40 classes. The most popular languages in 2006 were Chinese, Italian and Spanish, both of which enjoyed unprecedented student numbers—a trend that seems set to continue into 2007.

The Pre-Enrolment English Program (PEP) attracted over 350 students during 2006. For students who successfully complete this program it provides a direct entry pathway to undergraduate and postgraduate programs at the University of Adelaide.

A new program offered in 2006, the General English for Academic Purposes (GEAP), proved to be successful with over 60 students enrolled over the year. Many of these students are planning to go on to Higher Education once they improve their English language proficiency.

PCE's Certificate IV in TESOL, also offered for the first time in 2006, proved extremely popular with both courses filling. This course attracted a high calibre of domestic and international students, many who already had postgraduate qualifications.



Radio Adelaide

The University of Adelaide makes a unique connection to its local, national and international communities through its community radio station, Radio Adelaide, which aims to build community through connecting listeners and enabling them to engage more fully in community life and issues that affect them. The station contributes to the University's community engagement objectives, enhancing the impact of its teaching and research, and playing a significant role in developing its community partnerships.

Radio Adelaide is committed to creativity and innovation in radio and audio production, volunteer involvement on all levels and community access to its state of the art broadcasting and production facilities. Over 400 volunteers are involved in all aspects of station operations, from program production and presentation to technical maintenance, administration and advice to management. Perhaps the most culturally diverse part of the University, Radio Adelaide involves people aged from 14 to 86, speaking over 30 different languages, including many from Adelaide's newer communities. Following the 2006 update of the national survey of community radio listeners, audience numbers have increased to more than 75,000 regular listeners each week. In 2006, subscriber numbers also climbed by 75%.

2006 was a watershed year for the station. Its FM transmission upgrade was finalised in November, funded through public appeal and a grant from the Community Broadcasting Foundation. As a result, Radio Adelaide is now able to broadcast

loud and clear on a par with all major metropolitan stations and feedback from listeners has been immediate and positive.

The Bachelor of Media is one of the University's newer degree courses and both second and third year students have the option of studying broadcast and media production through Radio Adelaide. Third year students produce a regular program (*Media Rites*) on Radio Adelaide, and podcasting of these and other programs will be part of the 2007 program. Partnership with Professional and Continuing Education, the Elder Conservatorium, Information Technology Services, Marketing and Strategic Communications, the Centre for Aboriginal Studies in Music, Art and Heritage Collections and the Barr Smith Library are also part of Radio Adelaide's engagement in broader University life.

A challenge in 2006 was the impact of the Voluntary Student Unionism (VSU) legislation on the long-standing Student Radio service, coordinated through the Adelaide University Union and on air since 1974. Despite a station-led rescue package, Student Radio hours halved in 2006. For 2007, Radio Adelaide adapted by welcoming a range of new community partners as Access Programs—including World Vision, the Australian Peace Committee, Arts Access Sa, Australian Refugee Association, SA Unions and the Bosnia Herzegovina Council of SA.

Radio Adelaide is a Registered Training Organisation and provides nationally accredited training to all its volunteers and a range of external clients. In 2006, the station developed a new partnership

with the country's foremost Indigenous media organisation, CAAMA—the Central Australian Aboriginal Media Association—contracting with them and the Northern Territory Government to provide training and assessment for all their personnel. Another focus has been the station's ongoing relationship with South Australian schools. Training for students in Years 10, 11 and 12 helps provide pathways for students interested in pursuing the diverse range of careers available in the media and we are now seeing the first students move from this engagement to enrolment in the University's Bachelor of Media program.

Radio Adelaide pursued a range of special projects and partnerships in 2006. *Sneaking Up on Us* was a public forum looking at the impact of the new terror laws, produced in partnership with the Law Foundation of SA and the SA Institute of Justice Studies. *Voices of Women* profiled five women who have made the migration journey to South Australia, and was produced in collaboration with Multicultural SA. With funding from the Federal Attorney-General's Department, Radio Adelaide produced 120 short Crime Prevention messages, distributed to community radio stations nationally. With the Office for Volunteers, the station presented a special program for the State Volunteers Congress and with the Mental Health Coalition of SA and the Department of Health it provided comprehensive coverage of Mental Health Week activities and issues.

Live Music Fest, a new event in 2006, provided a showcase for Adelaide's diverse musical scene, with live music in a great variety of genres in every program for a week in September. Coverage of Adelaide's major festivals is also a feature of Radio Adelaide's programming and in 2006, special programming for the Adelaide Festival, Fringe, Womadelaide and Feast was again a highlight.

Providing unique, high-quality, innovative and community-connected broadcasting to a local, national, and international audience, and providing an unrivalled means for community participation in the media and in University life, in 2006 Radio Adelaide held the title of national Community Radio Station of the Year and garnered another eight broadcasting awards—including the Dr Margaret Tobin Award for Media for coverage of mental health issues, the Every Generation Award for Positive Images of Ageing, and the Archbishop of Adelaide Award for Excellence in the Media.

Thebarton Campus (Adelaide University Research Park)

The Thebarton Campus (Adelaide University Research Park) is home to the University's Office of Industry Liaison and hosts an eclectic mix of some 77 applied research activities in the areas of mechanical engineering, physical sciences, electronic engineering, chemical engineering, occupational health and petroleum geology and geophysics. Commercial enterprises at the Research Park, totalling 45 tenants in 2006, include businesses involved in materials engineering, biotechnology, environmental services, information technology, industrial design, laser/optics technology, health products, engineering services, radar systems, telecommunications and petroleum services. The University of Adelaide Business Incubator currently houses 13 start-up companies, and 2006 saw increasing collaboration between the University of Adelaide and BioInnovation SA over the development of the Thebarton Bioscience Precinct.

In addition to establishing lasting partnerships with industry tenants, the Thebarton Campus provides a physical and program base for developing student projects and skills into new business enterprises as part of the Graduate Entrepreneurial Program. The program assists graduates with an innovative idea for a product, process or service to commence a business, or links graduates with small to medium companies to develop innovative ideas. In 2006, the Office of Industry Liaison successfully found 15 industry sponsors to provide postgraduate scholarships in the Graduate Industry Linked Entrepreneurial Scheme.

The Office of Industry Liaison was also successful in the first round of the AusIndustry "Entrepreneurial Business Growth Development" project. This is an Australian Government funded service under one of the "Building Entrepreneurship in Small Business" initiatives. The \$151,250 grant provided funding for two years to enhance the University's Graduate Entrepreneurial Program, as well as supporting small businesses located in the Adelaide University Business Incubator and other small businesses in the Thebarton Precinct. Most of the funds are being used to engage specialist trainers and mentors to deliver workshops, seminars and one-on-one mentoring for up to 40 small business owners.



The Thebarton Campus provides a physical and program base for developing student projects and skills into new business enterprises as part of the Graduate Entrepreneurial Program.

The annual Western Region Enterprise Day, organised by the Office of Industry Liaison, was held on 19 September 2006, with the participation of over 200 primary and secondary school children. Opened by the Hon. Paul Caica, Minister for Employment, Training and Further Education, the function provided the University with an opportunity to showcase its commitment to community engagement and the building of entrepreneurship, as well as increasing the awareness of opportunities for pursuing university education. Celebrating its tenth year, the theme of the event was "enterprise and entrepreneurship".

University of Adelaide Theatre Guild

The University of Adelaide Theatre Guild continued to attract strong audiences to the University's Little Theatre for its productions in 2006. Over 2000 people saw the Theatre Guild's four productions, and some 90 people were involved with the group as volunteers throughout the year. The Theatre Guild was also critically acclaimed in 2006, with the highlight being the Adelaide Critics Circle award to director Brant Eustice for outstanding individual achievement for his work on *Julius Caesar*. In addition, the production of *Cloud Nine* was nominated for Adelaide Theatre Guide Curtain Call awards, and both *Cloud Nine* and *The Real Inspector Hound* were featured in The Messenger Press round-up of noteworthy theatrical achievements for the year.

Urrbrae House Historic Precinct

The final stage of the salt damp remediation work for Urrbrae House was completed in the first half of 2006. This was followed by important renovation and conservation work, including renovation of the chandeliers in the main hall and woodwork and leather trims in the library and conservation of the woodwork in the main hall. The work on woodwork in the main hall was another successful partnership with staff and students at the Douglas Mawson College of TAFE. Lecturers from TAFE supervised furniture finishing students on a practical project to refurbish the woodwork. The Friends of Urrbrae House assisted with sponsoring work on the chandeliers and library.

The activity-based Schools Project for primary students was able to resume in Term 2, despite the salt damp work. The project divides visiting students into three groups. One group experiences activities enjoyed by the Waite family adults and their guests, a second activities enjoyed by the Waite children and their friends, and a third sees life as servants who worked in the household. Volunteer presenters in costume and character play the housekeeper, governess and Mr and Mrs Peter Waite. The program is supported by a schools kit sent to each participating teacher, which includes background historical information that prepares the students for their visit and follow up activities for the classroom.

The concert program held in conjunction with the Friends of Urrbrae House was also a great success, with all performances booked out.

Under the administrative restructure at the University in the later part of the year, the historic precinct moved into the portfolio of community engagement, in the area of the Deputy Vice-Chancellor (Research).



Volunteer Program

The University of Adelaide Volunteer program, under the patronage of Mrs Lindsay McWha, continues to expand. The program provides an institutional focus for co-ordinating, training and recognising the many volunteers involved in a broad spectrum of activities.

In 2006, the date of the annual volunteer recognition event was changed from International Volunteer Day in December to coincide with South Australia's Volunteer Day in June. A Morning Tea in the Hartley Concert Room on Friday 9 June was attended by many volunteers and other invited guests. At year's end some 1094 volunteers were registered, contributing approximately 123,299 volunteer hours.

Among highlights of volunteer program activities in 2006 was the Schools Project at Urrbrae House, which was fully booked in 2006 and was awarded most successful project in the Division of Finance and Infrastructure for 2006. The volunteer group was present to receive the award presented by the Vice-Chancellor at the Wine Centre on 23 November.

The History and Heritage tours program was expanded in 2006 to include a Public

Art tour. The volunteer guides also provided tours during SA History Week and the South Australian Living Artists program as well as the University's Open Day. There was also increased support for tours requested by the office of the Pro Vice-Chancellor (International).

The following areas are currently involved in the Volunteer Program:

- Development and Alumni
- University Archives Volunteer Group
- Barr Smith Library Volunteer Group
- Florey Medical Research Foundation
- International Student Centre – Peer Support Program
- Radio Adelaide
- University of Adelaide Theatre Guild
- Waite Precinct Volunteer Program
- Don Dunstan Foundation
- AFUW-SA Inc Trust Fund Academic Dress Hire Service
- CLPD Volunteer Support Scheme
- PCE English Language Centre

Waite Arboretum

In the Waite Arboretum 45 new specimens were planted, interpretive signs and new labels were installed, all funded by the Friends of the Waite Arboretum. ABC TV filmed the eucalypt collection for a *Gardening Australia* segment and the Arboretum hosted workshops on Tree Risk Assessment by QTRA (UK) and displays of tree climbing equipment and techniques. Guided walks were given to over 750 visitors and students. A fire in November burnt 3ha and affected 178 exotic trees, including some very rare specimens. About 28% of the trees sustained serious or fatal damage.

Treenet held its 7th Annual National Street Tree Symposium in the National Wine Centre. It was very successful, with over 200 delegates attending and high calibre presentations. On Remembrance Day there was a national release of the first 15,000 pots of "Gallipoli Rosemary" to raise funds for the Treenet "Avenues of Honour" project. The project received national publicity on TV, radio and print media and is attracting considerable community interest. An "Avenues of Honour" website has been developed to collect data and foster the documentation, conservation and reinstatement of memorial avenues Australia-wide. Treenet gave grants totalling \$57,000 to the University for research relating to the urban forest, and staff contributed to the Masters of Urban Habitat Management course through lectures and field trips.

A Natural Heritage Trust Envirofund grant of \$36,725 was secured for the conservation and restoration of Grassy Woodland in the Waite Conservation Reserve. A draft Revegetation Plan was produced. Friends of the Waite Conservation Reserve conducted working bees throughout the year and propagated material for revegetation projects.

About 80 volunteers working in the Gardens of the Historic Precinct, Waite Arboretum, Treenet and Waite Conservation Reserve contributed about 5000 hours in 2006, an estimated value to the University of \$100,000.



PROPERTY AND INFRASTRUCTURE

Plans to increase available space, and efficient use and arrangement of the space available, continued to be at the forefront of property and infrastructure issues in 2006.

A North Terrace Campus Design Framework was developed in 2006 to support the University's overall future development of the campus. The plan pays heed to the heritage, size and geometry of the site, and proposes principles that respect its character and heritage, and its built and urban form. The plan retains perspective, vistas, campus gateways and a parkland atmosphere while continuing to provide opportunities for growth.

In December 2005, University Council approved commencement of two major projects in 2006: the upgrading and refurbishment of the 10 Pulteney Street complex to co-locate the Faculty of the Professions business schools; and the development of a new building in the Engineering Precinct. Both projects will address evolving student and staff needs and expectations for teaching and research spaces.

Council also approved the commencement of planning and preliminary works for a Wine Innovation Cluster Building on the Waite Campus as part of ongoing work on the Waite Master Plan. This \$28 million project is jointly funded by the University of Adelaide, the Australian Wine Research Institute (AWRI), the South Australian Research and Development Institute (SARDI) and the Department of Primary Industries and Resources of South Australia (PIRSA). It will bring together University teaching and support facilities



and Australia's leading wine research and development groups into a single state-of-the-art facility on the Waite campus.

Key projects completed in 2006 included: the upgrade of the University's main common teaching area precinct in the Napier Building; the Proteomics Laboratory in the Molecular Life Sciences Building; upgrading of the North Terrace frontage in the Heritage Precinct; air-conditioning of the Bonython Hall and repairs to turrets and stonework; refurbishment of areas in the Mitchell Building; a new secure Bicycle Shelter on the North Terrace Campus; the Urrbrae House salt remediation project; refurbishing of the Leske Building at Roseworthy campus; and upgrading

of common teaching areas, public areas, ablution, amenities, security and audiovisual facilities.

Student and staff transport services were expanded and now include the recently-completed student accommodation village in the Adelaide CBD. Late in 2006, the University commenced a project to develop a Master Plan for the Barr Smith Library and Law Library.

In 2006, the University won RAI (Royal Australian Institute of Architects) awards for four projects: the Campus Access Lift, Lower Level Campus Development, North Terrace Historic Precinct Frontage and the Bicycle Shelter.

FINANCIAL OVERVIEW

	Consolidated		University	
	2006	2005	2006	2005
	\$000	\$000	\$000	\$000
SUMMARY INCOME STATEMENT:				
OPERATING REVENUE				
Received under Higher Education Support Act	183,251	174,812	183,251	174,812
Learning and Teaching	101,620	81,197	101,620	81,197
Research Grants and Fees	100,979	90,495	100,696	90,275
Research – Other	22,608	22,521	22,668	22,521
Other	107,226	96,013	66,150	69,076
Total operating revenue	515,684	465,038	474,385	437,881
OPERATING EXPENSES				
Salaries, superannuation and related expenses	259,608	236,384	249,397	229,066
Non salary expenses	217,162	191,287	189,610	170,623
Total operating expenses	476,770	427,671	439,007	399,689
OPERATING RESULT	38,914	37,367	35,378	38,192
Operating Margin	7.5%	8.0%	7.5%	8.7%
SUMMARY BALANCE SHEET:				
Total Assets	935,165	885,814	910,709	866,502
Total Liabilities	148,122	136,883	133,264	124,486
NET ASSETS	787,043	748,931	777,445	742,016
Current Ratio	2.2	2.1	2.1	2.1
Cash at end of reporting period	120,805	86,585	95,344	72,092

The University of Adelaide Council has adopted two principal financial targets:

- Operating Margin no less than 4.5% (Operating result as a percentage of total operating revenue as shown in the Income Statement)
- § Current ratio no less than 1.5 (Ratio of current assets to current liabilities as shown in Balance Sheet).

The University continued to achieve the minimum acceptable levels in 2006.



The University of Adelaide
South Australia 5005
Australia

telephone: +61 8 8303 4455
web site: www.adelaide.edu.au
CRICOS Provider Number 00123M

Produced by the Marketing and Strategic Communications Branch
Executive Editor John Edge
Printing Nexus Print Solutions ISSN 0729 - 9885

www.adelaide.edu.au