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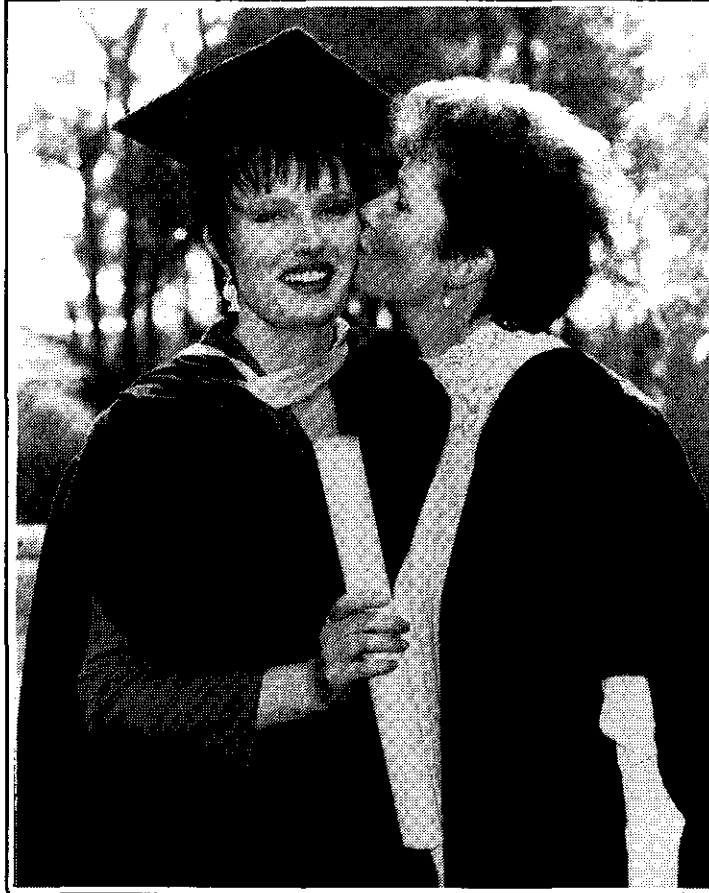
Graduation Ceremonies Sparkle Despite Inclement Weather



Judith Skerritt, B.Ed. (Early Childhood Education) Hons. 1 who responded on behalf of Education graduates

The Chancellor of the University, Justice Elizabeth Evatt, presided over the eight sessions of the 1991 Graduation Ceremony presenting awards to each of the 2,400 graduands.

her introductory speech, Justice Evatt congratulated graduands on their success as well as thanking all the 'support teams' behind each person. She sympathised with them in coping with pre-exam nerves, overdue assignments and the general stress of academic life.



Graduating with a Bachelor of Arts (Communication Studies), Bronwyn McGrath is congratulated by her mother, staff member, Ruth Morrison, who was part of the organising team for graduation. Bronwyn was the winner of the major prize in her course.



Kim Flanagan graduated with a Bachelor of Social Science (Welfare Studies)



Adam Boulus from Inverell graduated with a Bachelor of Education (Primary/Special Education)



Bachelor of Music Education graduates pictured after their degrees were conferred on them.

The Chancellor said she hoped they would retain their links with the University by becoming members of Convocation, and also maintain an interest in, and love of, learning which would remain as a lifelong resource.

She also said that, although graduation signalled an ending in one way, it also marked the beginning in another, especially in today's challenging world.

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Nursing and Health Sciences Graduation



A group of nursing graduates after the ceremony

At the Graduation Ceremony on Friday, May 10, graduates from the Faculty of Nursing and the Faculty of Health Sciences had their diplomas awarded and their degrees conferred on them.

The Dean of the Faculty of Nursing, Ms Margaret McEnery, and the Dean of the Faculty of Health Sciences, Assoc. Professor Jenny Graham, presented the candidates to the Chancellor while Executive Director of Nursing at the John

Hunter, Ms Sue Rappell, presented the occasional address.

In all, 257 graduands were awarded their Diplomas in Applied Science (Nursing), 96 were awarded their Diploma in Health Science (Nursing), 38 the Bachelor of Health Science (Nursing) and 34 their Diploma in Applied Science (Medical Radiation Technology).

The session was one of the largest of the eight conducted for 1991.

VICE-CHANCELLOR'S RESPONSE

The Vice-Chancellor, when responding to Ms Rappell's occasional address, said he was pleased to see the first graduates of two new Faculties, the Faculty of Nursing and the Faculty of Health Sciences.

He said he would also like to issue his own challenge to graduates following on from the stern challenges made by Ms Rappell.

"Much depends on you. It is your challenge to make contributions to the improvement of society," said Prof. Morgan.

"You don't necessarily close your eyes when jumping in to meet a challenge, but you must jump in nevertheless," he said.

He complimented the nursing and health care graduates on their expertise and professional standing.

"You are well qualified and you have lots to do," he said. "It is now time to rise to the challenge of your profession."

Challenge to Graduates

The Executive Director of Nursing at the John Hunter Hospital, Ms Sue Rappell, told graduates and their guests at the Friday morning session of the Graduation Ceremony on May 10 that the day marked not only their Graduation but also a day when they should be aware of the challenges that have been put before them.

In an occasional address that held great relevance to the Nursing and Medical Radiation Technology graduates, Ms Rappell, related anecdotes from her own graduation in the early 1960's, saying that, even though the nursing and health care challenges remained similar, another challenge was that they could be a part of the promotion of excellence and be able to let the rest of the world see.

In a reference to the accelerated commissioning of the John Hunter Hospital, particularly in light of the difficulties imposed by the earthquake, Ms Rappell said that if it was possible to achieve so much in such a short time (the John Hunter Hospital was being used nine months ahead of the anticipated schedule) it was possible that so much more could be done.

She asked the graduands if they were prepared to see Newcastle become a University city and to be the best they possibly could.

She also said that Newcastle could be proud of its effort in the building of the John Hunter Hospital, particularly as it was with a view to the future, not just adhering to the traditions of the past. It showed just what a community could do when a challenge was laid down.

Ms Rappell said that she and many of her peers were celebrating the end of a process of enormous change. She said that they were celebrating the formation of a Faculty of Nursing and the Appointment of a Dean and complimented the University for having the foresight to develop 'such a prestigious structure in this University and in this city'.

"The responsibility for our destiny academically is ours. We are solely responsible for the establishment of our excellence and reputation in Australia and the world," said Ms Rappell.

"I don't believe that such a level of excellence can be achieved in isolation from the community and by that I mean the community in all respects," she said.

She outlined the commissioning of the John Hunter Hospital saying that "despite ourselves, we have demonstrated to the world that even though this extraordinary thing has happened (the earthquake) we have shown what can be done".

"This latter demonstration has incredible implications for health care services and governments. We have proven that the development of and integration of acute hospital services and community services must be re-examined.

"We have proven the effectiveness of considerable restructuring of the health care work force and why real examination of what skills are required where, in what proportion, and when, is now crucial.

"Specialising is now the dilemma of our lives. It has become necessary to become specialised (as is illustrated by the various graduates this university produces) that much of our social fabric and many of our organisations have either disintegrated or are in the process of disintegrating.

"Yet here we are participating in a re-integration process that is second to none, hardly realising that we are doing so."

Other challenges issued by Ms Rappell included whether "the infrastructure needed for the University such as accommodation could be fostered; could new Chairs in the University be supported and achieved; could research in all fields be developed and promoted; and whether the University, more and more, could become host to people from all over the world would ever increasingly be attracted to such a beautiful ceremony where academe and its market meet."

She said that nurses and health care professionals of this University are as advanced as, if not more advanced than, any in the world today.

"They are a phenomenal group and there is an enormous need for the knowledge to be researched and documented," she said.



Ms Margaret McEnery, Assoc Professor Jenny Graham and Ms Sue Rappell

Education - Values in Today's World

At the Faculty of Education and Faculty of Social Science session of the Graduation Ceremony on Friday afternoon, May 10, the occasional address was delivered by the Superior of the Sisters of Mercy for the Catholic Diocese of Maitland and Member of University Council, Sister Margaret Sinclair.

Sister Margaret reminded the graduands that Australia was in a time of cultural change. She outlined the four changes affecting our society today: changes in technology; changes in population; action by official planning agencies; and action through social movements.



Sister Margaret Sinclair

She said every one of these areas described confronted Australians with issues that must somehow be addressed as our world seemed to spin with ever-increasing rapidity into the 21st century. The past 30 years had seen many powerful movements arise which had raised our consciousness about particular issues as well as paving the way for radical changes.

She said not the least to experience changes had been the teaching profession.

"I am not one of those who believe that education must take responsibility for addressing - and fixing - every problem in society. I believe that other influences are so strong that often the best of educational efforts are doomed to failure before they begin. But those who are leaders in our country -

whether they are politicians, academics, industrialists, artists, writers - all of them are educated and usually well education. They are, like yourselves, the success stories of education. But is our education keeping pace with the demands of leadership today?" said Sister Margaret.

"It seems then that the challenge to education as we move into a new millenium is to take seriously the need to ensure that students and ourselves have opportunities to develop 'creative and positive values'. It is not enough to tack values education, morals education, religion education on to the end of a curriculum or pass it over when so-called 'important' subjects like computer education, science, maths and language require more time.

"We must indeed keep pushing forward the frontiers of technology and science. But our advancing technology, our changing population mix, the growing gap between rich and poor, are taking us into areas of decision-making that are more and more complex. How well prepared are we to make good decisions, decision based on the good of all rather than on emotion?

"If we can learn to respect our different value systems we can be a strong nation enriched by our diversity." she said.

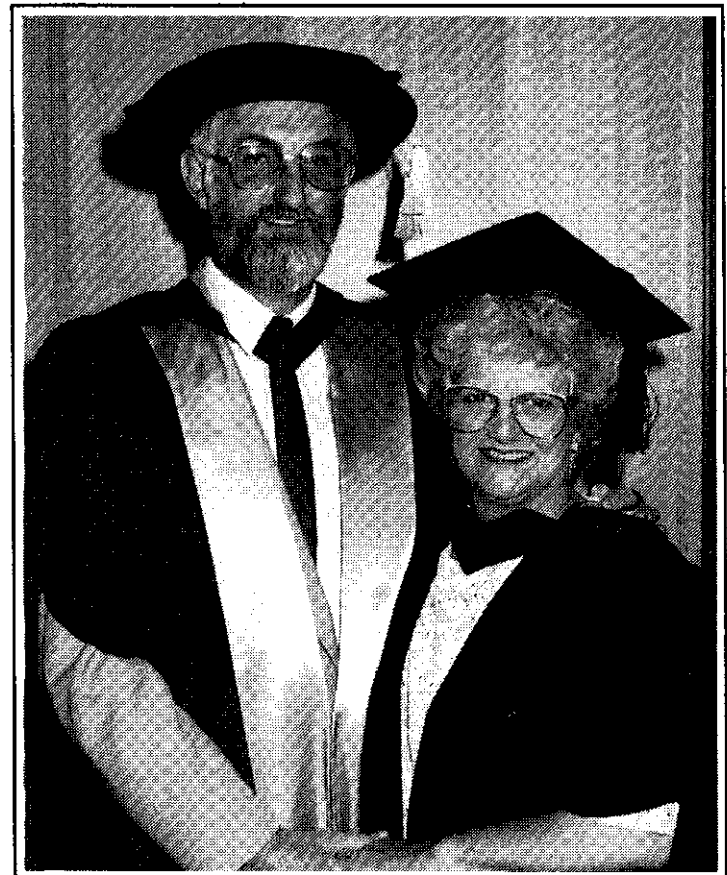
Sister Margaret went on to say that she did not want to suggest that there were easy ways to deal with the problems experienced at a time of rapid cultural change. But we need to believe that we can make a difference, she said.

She told the graduands that the fact that they were graduating meant that they were prepared to take some responsibility for the development of our future.

"The task ahead of our country is to become a just and compassionate country. I hope your efforts for others will bring you great contentment and that, through you, others will learn to believe in and reach out to the fullness of their human potential," she said.



Liza Garland of Singleton who graduated with a Diploma in Teaching (Early Childhood Education)



Dr Roy Killen, who gained his PhD in Education with his wife Anne. Both Roy and Anne work in the Department of Pedagogical Studies.

Honorary Degrees to Outstanding Citizens

The Graduation Ceremony on Saturday morning, May 11, saw graduands from the Faculties of Art, Design and Communication, Medicine and Architecture have their degrees conferred.

During this session, the eminent physician Dr Roy Mills was presented for admission to the honorary degree of Doctor of Medicine by the Dean of the Faculty of Medicine, Dr John Hamilton.

Dr Hamilton told how Dr Mills had served during the Second World War and had returned to Australia in poor health, after being both a prisoner of war and working on the infamous Burma-Thailand Railway.

He told how Dr Mills had then resumed his pre-war training and research in chest disease and tuberculosis and was Sir Lorrimer Dodds' Research Fellow at the Camperdown Childrens' Hospital.

After extensive research and travel to major centres in the U.K. and the United States to work with leaders in his field, Dr Mills established the Royal Newcastle Hospital's first respiratory function laboratory and played a leading role in establishing the Respiratory Intensive Care Unit.

He was also a key member of the teams that made submissions to the Karmel Enquiry that eventually led to a medical school in Newcastle.

"Dr Mills has always maintained an interest in the welfare of young people and has shaped the careers of many physicians who are now leading figures in Newcastle.

"He has taught his trainees the need for critical thought, the use of logic and, above all by his personal example, to stand without fear for that which is right," said Dr Hamilton.

"Since the inception of the medical school, Roy Mills has been a strong supporter of excellence in medical education. Not always did his views coincide with those of senior faculty members, but his integrity and his commitment to the good transcended those differences. Many members of our Faculty have benefitted from his support and encouragement.



Dr Roy Mills receives his honorary degree from the Chancellor.

"He has played a major national role as a leader in medical affairs and was the President of the Thoracic Society from 1977-79. In Newcastle he was President of the Central and Northern Medical Association from 1970-72 (now known as the Hunter Medical Association) and was a founding member of the Hunter and Northern Society of Physicians," he said.

Guarding the University

In his occasional address, Dr Mills said he stood before those graduating and those receiving higher degrees as a physician, a Christian physician, a student, one who had done a modicum of research and one who had been a part-time teacher.

He said that organisations concerned with the disciplines he had mentioned, were under threat from pressure groups in the community. He went on to say that the medical profession, the hospital system and the universities have become vulnerable because of the removal or absence of buffering organisations.

"In 1963, when the then Vice-Chancellor of the University, Professor Auchmuty, announced our autonomy, he called a public meeting and invited Professor Sol Encel of ANU to give the address, 'The Idea of a University'.

"My question at the time was, Was it not now our most important task to set up institutes to protect our fledgling University?"

He quoted WW Rostov, Economic adviser to President Kennedy, who stated that if a nation is to 'take off into affluence' it needs to have its institutions of learning and its universities properly endowed. Rostov had specifically pointed out that Australia had taken off into affluence without fulfilling those requirements.

"So we have a young University, not well endowed, not protected by a ring of tertiary institutes, not able to fend off requests by pressure groups, but at the same time requesting financial support from the local community, but worst of all, since the abolition of the University Grants Commission, subject to pressure from its paymaster, the Minister for Employment, Education and Training," said Dr Mills.

"We should pay heed to Sir Eric Ashby, who wrote on university government, that a university is a society of scholars, where recommendations flow upward to the Vice-chancellor and Council, whereas in industry and commerce, directions from the board and managing director flow downward.

"So, just as health is vulnerable, Australian universities are also vulnerable.

"My concepts crystallised 30 years ago. You may agree, you may disagree. I do trust, however, that you will re-search my statements and come up with reasoned arguments worthy of University scholars," he said.



One of the honorary degree recipients was Mr Vincent Millington (pictured above) who had conferred on him the Honorary Degree of Master of Arts for his service to music in the community.

Mr Millington, a well-known figure in Newcastle music circles, was a principal of Palings before his retirement.

Dean of the Faculty of Music, Mr Michael Dudman, said Mr Millington had always shown great interest in music and music students and was a more than worthy recipient of the honour bestowed on him.



The Dean of the Faculty of Medicine, Dr John Hamilton, congratulates Dr Mills after the Graduation Ceremony.

Special Seminar Attracts Wide Attention

The response to a special one-day seminar held at the University to investigate details of a research project into reading instruction and assessment surprised its organisers, with large numbers attending.

The seminar, entitled 'Putting Thinking Strategies, Metacognition and Motivation into Reading Instruction and Assessment', attracted about 140 teachers, school counsellors and people involved in education. This was about 100 participants more than expected.

Co-ordinator of the seminar, Dr Bob Conway, said he was surprised at the response. However, it highlighted the interest in problems associated with reading instruction and assessment among people working in the education field.

The seminar, conducted by the School of Education, was endorsed by the NSW Department of School Education (Hunter Region), with teachers travelling from as far as the Blue Mountains, Sydney, Taree and other locations in the Hunter Valley to attend the day.

The two presenters were Dr Scott Paris from the Uni-



Pictured from left to right: Dr Christa Kraayenoord, Dr Bob Conway and Dr Scott Paris

versity of Michigan and Dr Christa van Kraayenoord from the University of Queensland. Dr Paris is currently on study leave in Australia and is working with Dr van Kraayenoord on the research project in Queensland schools.

Dr Conway said that Dr Paris who has an international reputation in the area of assessment and strategy training in reading, is currently working on authentic assessment in reading for students aged between five and 16 years which provides a challenge to the traditional standard-

ised assessment techniques.

Dr Paris and Dr Kraayenoord discussed their research in classrooms of Queensland and American schools and provided substantial time for discussion and questions from the audience, which was invaluable.

The two researchers also addressed a staff seminar which was attended by lecturers from the School of Education, postgraduate research students and also members of staff from Macquarie University.

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Rarely Awarded Doctorate to Newcastle Academic

At the Engineering Faculty Graduation Ceremony on May 3, Graeme Murch, Associate Professor in the Department of Mechanical Engineering, was awarded the Doctor of Engineering degree.

This rarely awarded higher doctorate was given for a thesis of extensive and outstanding published work in the research area of atom migration in solids.

The research is concerned with developing an understanding of the way atoms or groups of atoms interfere or

co-operate with one another as solids are formed at high temperature. The ultimate goal of this research is to engineer at a microscopic level, the actual arrangement of atoms so that the solid itself is designed literally from the atoms up. In this way the optimum mechanical and electrical properties are achieved.

Graeme is a theorist, preferring a pencil, paper and a computer for his research and leaving it to his well-equipped colleagues overseas to validate his theoretic-

cal findings with experimental work. His computational laboratory includes some of the fastest machines available.

Graeme came to Newcastle almost five years ago, saying he was attracted by the splendid reputation in research of the Engineering Faculty.

He started research in the area of atom migration in solids over 20 years ago, first at the Flinders University for his Phd in Chemistry (1973) and later for many years at Argonne National

Laboratory in Chicago. He was awarded the higher doctorate, Doctor of Science, by Flinders University in 1982 for his pioneering contributions in the area.

The Doctor of Engineering degree awarded by this University recognises his extensive published work since then, in which great progress has been made.

Graeme said that this degree cemented his association with the University of Newcastle and with the Engineering Faculty in particular.



Copyright Corner

Q. Why is it we can photocopy copyright material (within the set limits) without difficulty whereas copying a broadcast is an exercise in form-filing?

A. The remuneration to be paid for copying copyright material, whether photocopying or off-air, is assessed on the basis of either a records system or a sampling system under which the amount to be paid by educational institutions each year is calculated as an amount per EFTSU (Equivalent Full Time Student Unit). Each year individual institutions are selected for sampling and for a set period records are kept by specified Department in those institutions. This University was 'sampled' for three months at the beginning of 1990.

The Agreements the University and other universities have entered into with AVCS regarding broadcast copying provide for remuneration to be assessed on a records system involving the preparation and maintenance of records for each instance of copying. Some institutions have asked AVCS to consider sampling procedures to replace full record keeping. One university is actually negotiating an agreement of this type under which payment is expressed as an annual amount per student. AVCS has indicated that if there is sufficient interest in this from universities and colleges this option may be considered for the future.

Important Notice for Students

At the meeting of Academic Senate held on November 20, 1990, it was resolved to adopt the following policy concerning withdrawal from studies:

(i) that in the case of Semester subjects, the last date for withdrawal shall be the last day of the Semester in which the subject in which the student is enrolled is offered;

(ii) that in the case of full year subjects the last date for withdrawal shall be the last day of Semester 2 of the year in which the student is enrolled in that subject.

Students can therefore withdraw without academic penalty until June 7 in the case of Semester 1 subjects and November 1 for Semester 2 and Full Year subjects.

Students will of course be liable for HECS for any subjects in which they are enrolled on March 31 and August 31.

Mid Year Examinations 11 - 28 June, 1991

Mid year examinations are to be held in the period
Tuesday, June 11 to Friday, June 28, 1991.

Final timetables are displayed in the following locations:

Auchmuty and Huxley Library Foyers
Student Unions
Academic Department noticeboards
Great Hall Foyer
Hunter Building Concourse

Room/desk Allocations

Examination location room/desk allocation lists are now being prepared and will be displayed on the notice boards of the Departments offering the subject as soon as they are available.

Each examination desk allocation listing will detail the examination location(s) and specify those candidates allocated to sit there. Please read your listings carefully and note the details.

Examinations for subjects with large enrolments are likely to be held in several locations. But you must sit at your allocated examination desk for each examination. Each of your examinations may be held in different locations.

If your name does not appear on the computer produced listing and you wish to sit for that paper you must advise the Examinations and Services Section located in the Hunter Building as soon as possible by completing the relevant form available at Examinations & Services.

Please don't wait until the day of the examination to resolve any desk allocation problems!

Daily desk number lists will also be displayed in the Foyer of the Great Hall and individual room lists will be displayed outside examination rooms before each examination session.

Candidates must sit at allocated desks

Attendance at Examinations

Candidates should be seated at least fifteen (15) minutes before the time fixed for beginning the examination. No candidate may enter the examination room more than thirty (30) minutes after the commencement of the examination. No candidate may leave the examination room until thirty (30) minutes after the commencement of the examination. No bag, writing paper, blotting paper, manuscript or book, other than specified material, is to be brought into the examination room.

'Unmet Demand' - Vice-Chancellor Comments

The Vice-Chancellor, Professor Keith Morgan, commented to the media recently that the number of eligible applicants who failed to gain a place this year at the University was believed to be about equivalent to other higher education institutions in New South Wales.

Professor Morgan said that figures released on '1991 unmet demand' showed a worsening situation than for last year.

The figures revealed that between 4,700 and 6,900 eligible applicants could not gain places at universities in NSW as compared to between 3,700 and 5,400 eligible applicants in 1990.

The Vice-Chancellor said exact figures for Newcastle would become available in the near future. The figures that have been released only relate to States and an institutional analysis from the Universities Admission Centre (UAC) would be made available soon.

Professor Morgan was commenting on an announcement by the Australian Vice-Chancellors' Committee that between 19,700 and 29,100

eligible applicants failed to gain a place in the nation's higher education institutions. The figures represented an increase of more than 40 per cent of the 'unmet demand' for 1990.

Australian Vice-Chancellors' Committee President, Professor Ken McKinnon, said that the increase reflected the ambition of more people to gain better qualifications and the situation of tightening job conditions.

"The 'unmet demand' increase is despite heavy over-enrolment by higher education institutions caused, in the major part, by the Federal Government's dual-target policy", said Professor McKinnon.

"In 1991, the Federal Government provided an additional 4,800 student places. In our recent policy document, 'Foundations for the Clever Country', the AVCC argued for an additional 6,000 places. With this 'unmet demand' figure, this recommendation is quite conservative.

"The survey is a legitimate one, conducted annually, which attempts to quantify the

number of people who apply for entry to higher education but who fail because of restrictions on the number of places."

Professor McKinnon said that data was collected from tertiary admission centres and institutions and covered all rounds of offers of places made by the end of April 1991. The 'unmet demand' figure of 29,100 was considered by some as low.

Professor Morgan said the University of Newcastle was dependent on the NSW Universities Admissions Centre for local figures but conceded that the number of students enrolled this year was more than ever before. More than 13,000 students were enrolled this year while the number of applicants also increased.

"The number of students at the University last year was about 12,500 and we believe there is a worsening ratio in 'unmet demand' for this year although we will not be able to quantify the shortfall until the local figures are available," said Professor Morgan.

"The University wishes to support the Australian Vice-

Chancellors' Committee in its call for the Australian Government to announce its intentions for 1992."

The AVCC, through Professor McKinnon, has said it was now time for the Federal Government to "bite the bullet" and announce its intentions for next year with regard to increased places at higher education institutions.

It said the trend for high 'unmet demand' was continuing and rising steeply.

* Higher education institutions are required to meet two targets when enrolling students: a commencing student load target and total student load target. Places for commencing students cannot be transferred to continuing students, or vice versa, if there is increased demand for a particular category. Institutions also face the possibility of reduced funds if a target is not met, even if the other target is exceeded. The AVCC is asking that each institution be allowed flexibility with respect to the commencing load target where institutions meet the total target for one year.)

Local Enrolment Patterns Reflect Report Findings

The Director of the School of Education, Associate Professor Allan Taylor, says disillusionment with teaching as a career path is reflected in enrolment patterns for teacher education courses at the University.

Dr Taylor said fewer people who could be considered in the top range of applicants were enrolling in teacher education courses offered by the University.

"We are not getting the supply of high achievers that we have attracted in previous years," said Dr Taylor in reply to a report which has shown that disillusioned and stressed teachers are actively discouraging their school students from entering teaching as a career.

"Student Images of Teaching: Factors Affecting Recruitment" was commissioned by the National Board of Employment, Education and Training's Schools Council. The report found that of the 1787 secondary students surveyed, only 5.5 percent considered teaching to be an attractive profession.

A total of 44 percent of the students said teaching was

'definitely unattractive' as a career option while 28 percent said they had been advised by teachers to choose other career paths.

The report said that the 'profound comment' on the state of teachers' morale and the negative impact they could exert on students' view of the profession gave award restructuring and positive image building an even greater urgency.

Dr Taylor said he agreed with the content of the report and that both NSW teachers and State and Federal education authorities were aware that low morale in teaching was contributing to students turning away from teacher education courses.

He said authorities knew that there had to be a better public image of teaching and a campaign was already under way, this being reflected in the policy statements of both the Government and the Opposition in NSW.

"We need to turn around the public image of teaching but how to do that is another matter," said Dr Taylor.

"It is not going to be achieved only through extra money but also through improved status and recognition of teachers and of teaching itself.

"What we are experiencing at the University is that the 'bottom end' of the student intake hasn't dropped significantly, but we are accepting a greater proportion of students between the base line and the middle of the range.

"There is only a small number from the top of the range accepting offers in teacher education courses," he added.

Dr Taylor said that students enrolled in the University's teacher education courses were aware of the situation and realised that they had entered a career path which was "bumpy". Initial results still being compiled of a survey of University teacher education student views asking what they expect from teaching have revealed greater emphasis on career issues such as job satisfaction, appreciation for a job well done, job security and good working conditions rather than immediate rewards through salary. Issues such as promotion and curriculum stability have

been ranked as being of middle importance.

"The effect has been that these students are trying harder to achieve better results. They have not let the situation get on top of them and we hope that when they graduate they will be better teachers for what they are experiencing," Dr Taylor said.

The NBEET report was issued by the Chair of the Schools Council, Ms Lyndsay Connors, at a national workshop on the quality of teaching, held in Canberra.

Ms Connors said the report found that while most students once looked up to their teachers, students were now experiencing 'difficult secondary years' and this had changed.

It was encouraging, however, that 16 percent of students considered their teachers with a certain respect despite the negative things they were observing and hearing. Only nine percent of students did not 'think much good about them (teachers)' while a significant 56 percent said teachers were 'just like anybody else'.

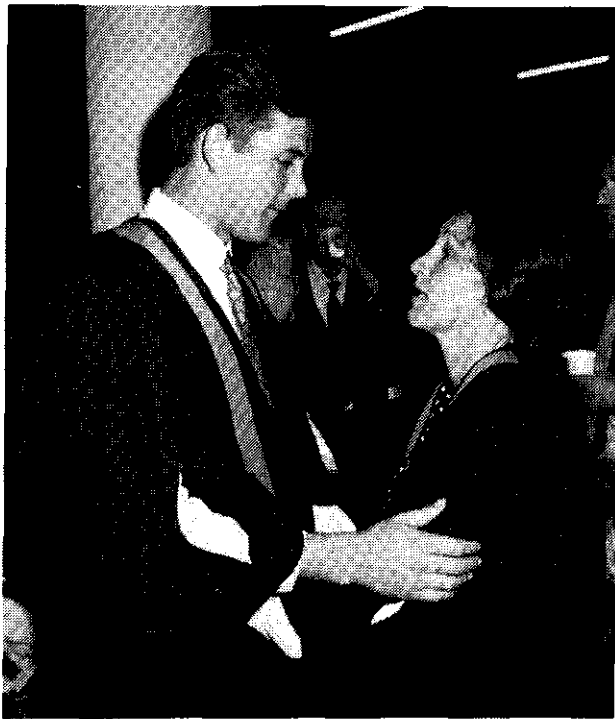


A group of overseas students who graduated with their Diploma in Health Science (Nursing)

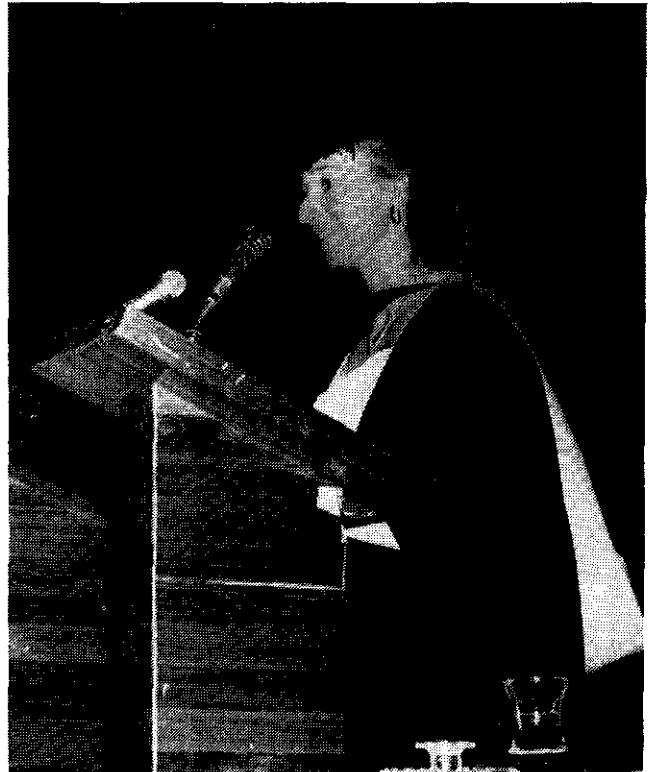


Graduate

Bachelor of Medicine graduate, Susan Lord, delivers the student response during the Faculty of Medicine Graduation Ceremony.



Congratulations were the order of the day. Friends, Spencer Irvin and Daphne Jerabek, pictured after graduating with their Diploma in Applied Science (Nursing)



Kathleen Rae, a bachelor of Education (Early Childhood Education) graduate is assisted with her academic dress by staff member, Elizabeth Gear.



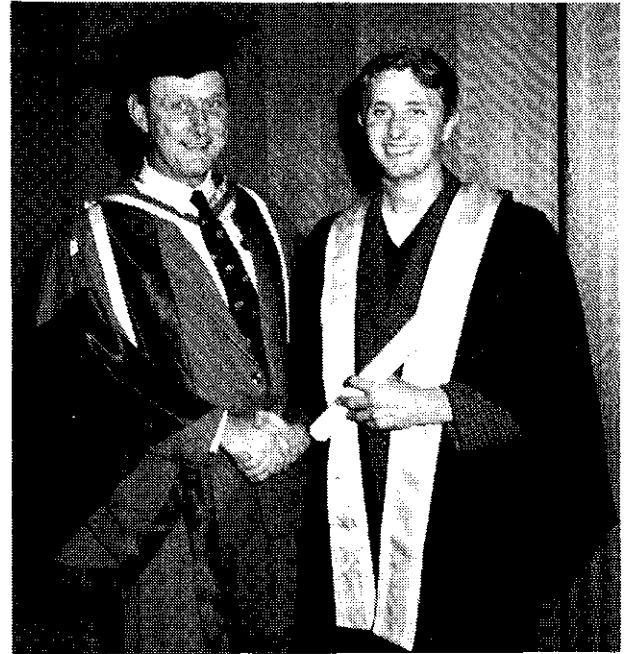
The University Choir, conducted by Father Peter entertained the assembled graduands and their

on '91

Proud families were on hand to offer congratulations for all the hard work. Susan O'Connor, graduating with a Diploma in Epidemiology (Clinical) receives congratulations from her husband, Dr John O'Connor, and son, Michael.



Head of the Department of Geography, Professor Eric Colhoun, congratulates his son, Robert, who graduated with a Diploma in Aviation Science.



Mr Herb Presker congratulating his daughter Jennine who graduated with a bachelor of Education (Science Education). Herb is the University's Head Gardener, having worked on the campus since 1968. Jennine is the last of his three children to receive a University degree.



Susan Wilkinson - Diploma in Applied Science (Nursing) with Sean Parker after the ceremony.



Jill Norburn, a member of the Secretariat who works in the Faculty of Engineering, receiving her Bachelor of Educational Studies.

Depression Researcher Visits University

A clinical psychologist turned writer made a flying visit to the University to take part in a series of workshops and seminars and to promote her latest book in Australia.

Dr Dorothy Rowe is the author of seven highly successful books, including *Depression: The Way Out of Your Prison* which won the MIND (Mental Health Association) Book of the Year Award in 1983. She conducted a workshop in Newcastle entitled 'The Successful Self', a workshop at Wollongong University entitled 'Wanting Everything', a yoga workshop in Sydney as well as conducting research for yet another book.

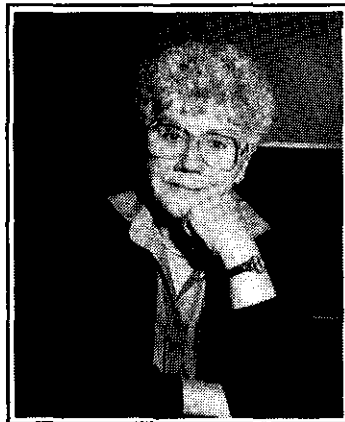
She has just launched 'The Depression Handbook', a book which she describes as a way of understanding depression and leads to wisdom and freedom.

The book she is researching and writing is about time and ageing and will focus on how we feel about getting older and the attitudes that prevail in our society.

The visit to Newcastle was not without a certain amount of nostalgia for Dr Rowe. Newcastle is her home town. She originally came from Merewether and attended The Junction Primary School and Newcastle Girls High School.

After studying psychology at the University of Sydney, Dr Rowe worked as a teacher and then a school counsellor whilst gaining further education culminating in a Master of Psychology from the University of New South Wales.

In 1968, at the suggestion of a colleague, she went to Britain to commence work as a clinical psychologist



Dr Dorothy Rowe

with the National Health Service, an association which lasted for 18 years. She gained her PhD from Sheffield University in 1972 and from then until 1986 she headed the Northern Lincolnshire Department of Clinical Psychology.

It was at this point that one of her earliest ambitions came into force. As a child, Dr Rowe said she had wanted to be a journalist, but had been discouraged because 'it was not a fitting occupation for a young lady'.

She saw the need for practical and helpful books written in an easy to understand manner on the subject of depression and used her writing skills and professional expertise to set about producing them. She is now involved in a lot of writing and a good deal of lecturing as well as private practice. Her research and therapy are concerned with the questions of how we create meaning and how we communicate.

Dr Rowe says that depression is a state of mind that knows no socio-economic or ethnic barriers and while

it can be triggered by a private event in a person's life, it can also affect a whole population following a major catastrophe or crisis.

She says that dealing with depression isn't easy.

"The majority of people at sometime have to confront something in their life and it can be very scary. But if you don't, you don't grow and you don't move on to better ways of living," says Dr Rowe.

"Depression is caused when our secure vision of the world is shaken," she says.

Dr Rowe says it is important to distinguish between being unhappy and being depressed and for people suffering depression to realise they could help themselves, not by turning to drugs, but by looking at their values and their view of the world.

In her latest book she explains how it is hard for people to climb out of the 'dungeon' of depression, but also how it can be achieved.

Public Lecture 2020 Vision Dr David Mills

School of Physics, University of Sydney, 7th June, 1991, at 7.30 pm, Lecture Theatre E01, University of Newcastle
It is becoming increasingly clear that we require to preserve our global environment as a predominantly renewable energy-based energy supply within about 30 years. The importance of renewable energy (solar) and use supply and energy efficiency in meeting global environmental standards will necessitate utility-like approaches for their financing and distribution.

This can be done through the existing utility structure and at a reasonable cost, but only if the power industry shows a determined commitment to the environment, and does so in time to implement controlled change. The change must involve moving away from a supply mentality to an energy end use service mentality. Investment in different equipment forms is required, but there is no reason why profits should be diminished.

Because energy efficiency measures will be somewhat offset by continued population growth, supply side thinking will have some considerable placing during the next few decades. Large scale central solar electricity and wind electricity plants will undoubtedly appear during the 1990's in Australia and it is to be hoped that they will use advanced Australian technology rather than imported technology. Significant new advances in these technologies will be described in the lecture.

Sponsored by the Department of Physics, University of Newcastle
The Physics Society, University of Newcastle, The Australian Institute of Physics

All are welcome to attend - and the lecture is FREE

One Day Workshop "Exploring Dream Images"

When: Saturday July 20 or Sunday, July 21, 10 am to 4 pm

Where: 69A Dickson Street, Lambton
Facilitator: Elizabeth Cain
Cost: \$20 non-students
\$12 students

Further details and registration forms from Faith Jones or Mary Goldsworthy at the Chaplaincy Centre (Ext. 5571) or Room C 69 Hunter Building (Ext. 6648)

Question? Is there any interest in a workshop on Myers-Briggs Personality Typology? If so, please contact Faith or Mary.

Dynamic Visitor Stuns Students with Technology

A speaker who calls herself 'the grandmother of holography' held the attention of Bachelor of Arts (Visual Arts) students when she demonstrated her extraordinary art and described how and why she produces the art form.

Paula Dawson, the first 'artist in residence' at the Australian Museum, visited the campus as part of a guest speaker program to expose students to artists and artistic experts.

Paula's art is extraordinary, and so is she.

Vibrant and exuberant personality who possesses incredible joie de vivre, she exudes a commitment and enthusiasm for her chosen art form that is rare and special.

She is considered Australia's leading holographic sculptor and has exhibited her works in Japan, the USA, Grance, Germany and Canada, as well as in Australia. She has been making holograms for the past 16 years and has been the subject of much media attention.

Holograms are produced by illumination of an object with coherent light transmitted by a laser.

"I have always been fascinated with them as they can mimic a camera lens and also lenses that can't be made," says Paula.

"Years ago I was creating a light installation sculpture and started building a laser. That's how I got interested in holograms.

"You can do impossible things with them. There lies the challenge and the



Paula Dawson displays some of her smaller holograms.

joy for me." she says.

The subject of discussion, Paula's work *To Absent Friends* is a holographic installation of a fully operational bar with holograms replacing all the reflective surfaces. The work is so large that it cannot be transported and is seen via a Film Australia movie.

Paula calls *To Absent Friends* 'memory theatre' rather than sculpture. It relies on memory triggers which give the viewer the impression that they are

really in the bar. Separate impressions were made an hour apart which create the illusion of a New Year's Eve party in the bar. It almost seems real.

The students were puzzled, entertained and impressed with Paula's work. She explained the processes involved and how she had progressed from the early days making small holograms to the large, expansive works for which she is now known.

Not short on imagination, her current project entitled

You Are Here is a computer generated hologram of sea level changes over the past 150 million years. She explains that it will be seen by moonlight on the ocean shore and will appear as a series of transparent colour overlays which fit around the contours of the rocks. It is being generated at the Advanced Computer Graphics Centre at the Royal Melbourne Institute of Technology.

The size of her works, the tenacity required to produce them all belie the fact that Paula Dawson is quite a tiny person. But with a larger than life personality.

She has been 'artist in residence' at the New York Museum of Holography and also the Laboratoire De Physique in France as well as at Adelaide University and the Royal Melbourne Institute of Technical Applied Physics.

She was the winner of the Grand Prix Prize at the first international high tech Art Biennale in Nagoya, Japan in 1989 and the Shearwater Foundation Award in New York for achievement in Holography also in 1989.

She holds a diploma, a degree and a post-graduate diploma in art and believes in fitting a lot of activity into her life. As well as lecturing in holography at the University of Technology, Sydney, and 4-D and media arts studio research at the University of New South Wales, she is the artistic program adviser at the Advanced Computer Graphics Centre in Melbourne as well as the honorary role as 'artist in residence' at the Museum.

Department of Statistics Seminars - June to August 1991

Wednesday, June 5 Ms I Koch Median smoothing in image analysis
 Wednesday, June 12 Dr A Pope Generalised cross-validation when the data are correlated
 Wednesday, June 19 Ms J Chompikul Effect of pipe water supply on the incidence of diarrhoea in children in Thailand
 Wednesday, July 17 Dr S Bangdiwala The observer agreement chart
 Wednesday, July 24 Dr S Sheather Density estimation
 Wednesday, August 7 Prof R Evans Hidden Markov models for frequency line tracking
 Wednesday, August 21 Dr P Chan A new statistics for measuring the heterogeneity of an independent Poisson means.

All seminars will take place from 11 am to 12 midday in Room V129 of the Mathematics Building.

Around the Campus

Two students have been selected to take part in a special youth sporting event which will see them travel to the United Kingdom in July.

The students, Keiron Rochester and Gerard Cocking, have been selected in the World Student Summer Games teams for the 1991 Universiade.

Keiron, a second year Economics student, was selected in the Volleyball team and Gerard, a third year Economics student, was selected in the Hockey team.

The two have each been granted a \$1,000 travel subsidy for the Games by the University of Newcastle Sports Union.

Universiade is an Olympic style competition of university sport, held every two years, which draws world wide attention. It is governed by the Federation

Internationale du Sport Universitaire (FISU) and is a meeting of students from all over the world. Its aim is to promote exchanges among youth and to contribute to world peace through sport.

The World Student Summer Games continues to grow in numbers each year and in terms of representation, is second only to the Olympic Games. Participation is open to any country which has a national Olympic Committee.

To compete in the Games a competitor must be between 17 and 28 years of age and be a current university or college student or, a graduate of not more than one year's standing.

The 1991 Summer Games will be held in Sheffield from July 14 to 25.

Sports to be contested are: swimming, diving, water



Pictured (left to right) Keiron Rochester, Dr Bernie Curran and Gerard Cocking.

polo, track and field, hockey, soccer, tennis, gymnastics (rhythmic and artistic), volleyball, basketball and fencing.

The Australian Universities Sports Association is still calling for nominations for

selection in the Australian team. Requests for nomination forms and official standards for track and field and swimming should be directed to the University Sport & Recreation Department (telephone 68 5344).

University Hosts Visitors from Thailand

A group of eight staff from two teachers' colleges in Bangkok, Thailand, have visited the University as part of an exchange study tour.

The group was made up of six lecturers from Suan Dusit Teachers' College and two school principals of the two demonstration schools which are part of Suan Sunandha Teachers' College.

The purpose of the visit was to foster the relationships between the two institutions and the University by engaging in collegial discussions, inspections of facilities, visits and participation in a two-day workshop on Applied Information Technology which was organised by staff of the University.

Staff and students hosted the visitors to various parts of the University, the city,

other parts of the region and in their homes.

On leaving Newcastle, the group visited Canberra and Melbourne where they participated in visits to other academic institutions before returning to Thailand.

Pictured Right - (Left to right - Mrs Siripan Tantirattipisal (Deputy Head, Department of Early Childhood Education), Mrs Yawares Thongnok (Deputy Dean of the Faculty of Science and Technology and Head of the Department of Chemistry), Mrs Supang Rattanavipas (Deputy Director of the La-Or Utit Kindergarten Demonstration School), Ms Carmel Walsh (Overseas Students' Office), Mrs Suwimon Udom-Piriyasak (Deputy Head, Early Intervention Centre for Blind Children and Families and Lecturer of Special Educa-



tion Department), Assoc. Professor Payorn Wongsansri (Head of the Department of Business Administration and Committee Member of the Ratanakosin United College's Council), Assistant Professor Sukhum Chaleysub (Executive Assistant to the Rector of Suan Dusit Teachers College, Deputy Head of the Rector's Office

and Head of the Library and Information Science Program), Mrs Supa Seelasorn (Director of Suan Sunandha Secondary Demonstration School), Mrs Bangon Tongpoonsakdi (Director of Suan Sunandha Primary Demonstration School) together with Mr John Gill, Senior Lecturer, Pedagogical Studies.

University of Newcastle Centre for Environmental Management

A Survey of Environmental Research, Teaching and Consultancy, University of Newcastle

The Centre for Environmental Management is compiling a concise handbook of environmental interests at this University. This will give a much needed picture of environmental research and will be made widely available at the University and outside. This survey is for you if you are working in 'environment' areas as staff or research student.

Environment is seen as broad in definition but in terms of physical environment and its management but is meant to include the physical, social, economic, political and institutional aspects, especially environmental protection (i.e. chemistry of sludge, perception of air quality, biodiversity and land forms).

This survey is biased towards the enthusiastic who are interested in / getting people together when you need them / consulting to government, industry or community groups / becoming involved in research, consultancy and teaching in the emerging Centre for Environmental Management / spreading your word via the media / letting people know you are alive in environmental work.

For maximum exposure this survey will also go to Heads of Departments and groups across the University.

**YOUR SCHOOL/
FACULTY** _____

**YOUR
DEPARTMENT** _____

NAME _____

Telephone _____ **Fax** _____

YOUR TEACHING COURSES(S) RELATED TO ENVIRONMENT

SUMMARISE YOUR OWN ENVIRONMENTAL RESEARCH

CONSULTANCY IN ENVIRONMENT (experience, interests)

MAJOR BOOKS/PAPERS/SEMINARS ON ENVIRONMENT ISSUES/MANAGEMENT

Please send as soon as possible to Dr Diana Day, Centre for Environmental Management, Mathematics Building (ground floor) Telephone (049) 215556 Fax (049) 216900

* ADD ANY RELEVANT ATTACHMENTS



The Editor,
University Bulletin,

Dear Sir,

The abolition of the Visitor's jurisdiction over universities is a good idea. At least that is what the Vice Chancellor first told us and now also the Minister asserts to be the case. There is, however, something odd about this good idea. Whereas generally when there is a good idea around more than one potential proprietor rushes forward to claim original ownership, nobody has been particularly eager to do so in this case. If the Vice Chancellor has been reported correctly he seemed to be inclined to leave the honour to the Governor (Newcastle Herald 3/5), the Minister tells us that the Governor was merely informed of and passively acquiesced in this good idea and The Australian of 1st May asserted that it was inspired by the collective wisdom of the New South Wales Vice Chancellors who wrote a letter to the Minister about it. If in this imbroglio somewhere the fact is hidden that Newcastle University played an important part in the origination of this good idea, let it be out. Honour where honour is due.

It seems to be equally uncertain who can lay claim to the first formulation of another good thought, namely the idea that the jurisdiction of the governor is really not necessary since staff has access to the courts. Whatever the origin of this thought it will go into my private collection of great sayings as one more variant of the apocryphal statement of that great lady whose opinion on the dietary fortunes of the French should, in this version, now read 'Why do the people need bread if they can have cake?'

Arie Brand.

AWEUN The Association of Women Employees at the University of Newcastle

Annual General Meeting
Thursday, June 6, 1991 at 12.30 pm.
Room ES223 Engineering Science Building

Guest Speaker 1.10 pm.
All Women Employees Welcome

Following the AGM, our guest speaker, Dr Diana Day, Senior Research Fellow at the Centre of Environmental Management, will draw on her experiences within tertiary education institutions to address some of the issues affecting women today.

Bring your own lunch - tea, coffee and fruit juice will be provided.

For further enquiries please contact Ros Cameron (Medicine) Ext. 5673 or Jill Norburn (Engineering) Ext. 6061.

Share Accommodation

Female, non smoker, wanted to share fully furnished house at Jesmond. Close to University, transport and shops. 5 minutes drive to John Hunter Hospital. Sunny room and quiet street. \$60 per week plus share expenses. No bond.
Please telephone 26 6829 or 57 3593. (a.h.)

For Sale

Holden E H Station Wagon. Three months registration. \$1,000. Telephone Ext. 6688 or 52 5293 (a.h.) or contact Barry in Printery, Hunter Building.

For Sale

Exercise Bike, AP Sports 200, as new, low mileage, \$80 o.n.o. (a fraction of new price). Call Ron on 21 6071 or 57 5574 (a.h.)

For Sale

Jason Recliner Armchair. 18 months old in as new condition. Neutral Beige Colour \$250. Telephone Ext. 6539.

For Sale

IBM XT compatible. 10 MHz turbo, two 360K DSDD floppy drives, 20MB hard disk, Hercules mono card and dual frequency green screen and two button mouse. In a large AT style case, this PC is in excellent condition. \$1,000 or reasonable offer. Contact Philip Greentree at Ext. 6377.

Lost

A Silver Bracelet. It looks like a Fob Chain, but isn't. It is chunky in style and fastened in a slip knot. There's a huge reward because it's a family memento of high esteem. Lost somewhere between the Shortland Union and the Library. Please contact Katie on 43 7157.

House To Let

Three-bedroom house in Merewether Heights available from July, 1991 to February 1992. Owners going overseas. Reasonable rent. Please telephone Ext. 6192 or 63 5879 (a.h.) if interested.

For Rent

Large family home available for rental. Six months lease from June 24. References required. Telephone Ext. 6199.

For Sale by Tender

Surplus Equipment
The surplus equipment listed below is offered for sale by tender to University departments of individuals.

Ex-Finance Division

Zeroz Model 630 Memory Typewriter, with floppy disk drive and daisy wheels. Terminal, DEC VT220 with monitor arm
Printer, DEC LA-50 RB Keyboard, DEC LK201 Microcomputer, DEC Rainbow 100+ including monitor, keyboard and LA50 Printer

For further information please Ms Petra Leschinkohl on Ext. 5335.

Ex. Edwards Hall

2 x Computers, DECmate II
1 x DECmate II, Mobile stand
Printer, LA50
Printer, LA75

For further information please contact Dr M Blackmore or Mr M Compton on 67 2644.

Tenders should be forwarded to the Purchasing Office, McMullin Building by 11.30 am on Friday, June 14, 1991.

For Sale

PA Equipment \$3500ono
Telephone Ext 6460 or 616491ah



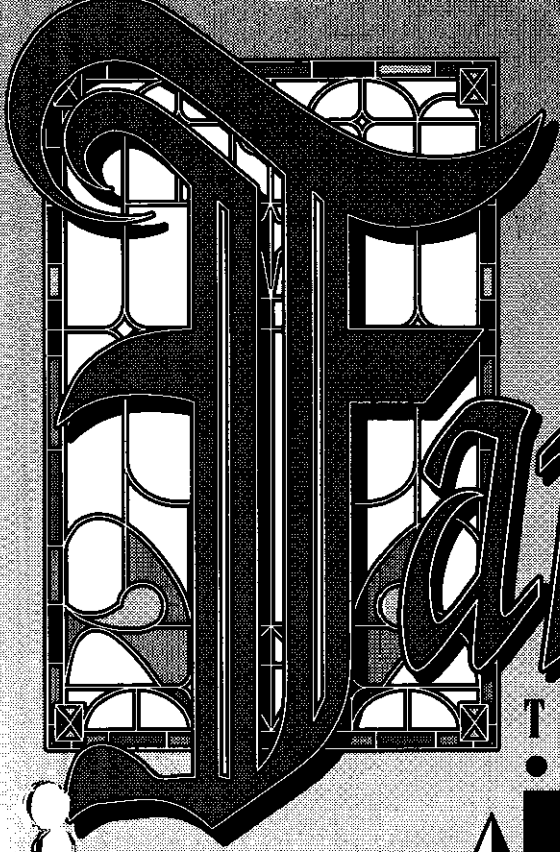
Research Grants for 1991

Information on the following grants is available from the Office for Research - Telephone 21 5305

Closing Date

♦ Australian Kidney Foundation Grants-in-Aid for Medical Research	June 5, 1991
♦ Clive & Vera Ramaciotti Foundation Projects in the field of Medical Research	June 12, 1991
♦ Australian Tobacco Research Foundation Research into the relationships in Australia between tobacco smoking and health and disease	June 18, 1991
♦ The Wenkart Foundation Grants for clinical, biomedical and health related services	June 18, 1991
♦ Arthritis Foundation of Australia Rheumatology Research & Professional Education applications for 1992 Awards. Fellowships/Scholarships/Grants	June 18, 1991
♦ The Cancer Council Research Grants for 1992 For research projects in all aspects of cancer	June 18, 1991
♦ RV Franklin Ship Time Applications for Ship Time on the RV Franklin oceanographic research vessel (CSIRO Division of Oceanography).	June 19, 1991
♦ Australian Academy of Science Scientific exchanges with the U.K. - 1992	June 21, 1991
♦ Co-operative Research Centres Program Second round.	June 24, 1991
♦ Sandoz Foundation for Gerontological Research To promote clinical and scientific research concerned with the problems of aging.	July 19, 1991
Australian Academy of Science Gene Poulenc Fellow-Grant for Scientific Visit to France - 1992	July 24, 1991
Australian Pattern Recognition Society Digital Image Computing Techniques and Applications (DICTA-91) Call for Papers	July 25, 1991
♦ DITAC International Science & Technology Program To assist Australian participation in international science and technology networks and collaborative research and development programs.	August 21, 1991
♦ Australian Academy of Science Scientific exchanges with Japan - 1992/93	August 22, 1991
♦ The Syd Lovibond Prize, National Drug & Alcohol Research Centre Entries from young Australian scientists in the form of a 5000 word essay. Award of \$1,000	August 23, 1991
♦ DITAC Bilateral Science & Technology Program Support for international research collaboration on projects which contribute to Australia's industrial, scientific or technological capabilities.	September 19, 1991
♦ The Australian Sports Medicine Federation Research Awards Scheme Young Investigators Award, Medical Students Prize, Best Conference Paper Award & Best Journal Article.	September 20, 1991
♦ NSW Cancer Council Travel Grants-in-Aid	September 23, 1991
♦ NSW Cancer Council Awards for Postgraduate Education and Training in Oncology	September 23, 1991
♦ Australian Academy of Science Scientific exchanges with China - 1992/93	November 22, 1991
FELLOWSHIPS AND CONFERENCES	
World Health organisation Fellowships for improving public health in Australia	June 4, 1991
♦ Asia Research Centre - Murdoch University, W.A. Senior Research Fellow/Research Fellow East Asia Research Fellow Australia/Asia, 2 Postdoctoral Research Fellowships	June 4, 1991
♦ Arthritis Foundation of Australia Rheumatology Research Awards tenable in USA, Canada and the U.K.	June 18, 1991
♦ ARC International Reciprocal Fellowships with the F.R. Germany In the areas of Humanities, Social Sciences, Natural Sciences or Engineering	June 18, 1991
♦ The Australian Academy of the Humanities Travelling fellowships for short-term study abroad	June 19, 1991
♦ Selby Fellowships The Australian Academy of Science. For overseas scientists to visit Australia	July 22, 1991
♦ Elizabeth & Frederick White Conferences The Australian Academy of Science, call for Proposals for conferences in 1992	July 22, 1991
♦ Boden Research Conferences Australian Academy of Science, call for Proposals for conferences in Feb 1993	July 22, 1991
♦ Sir Maurice Byers Fellowship Issues affecting Australian Police work	August 21, 1991
♦ The Fenner Conferences on the Environment The Australian Academy of Science, call for Proposals for meetings in 1992 or 1993	August 21, 1991
♦ Nuffield Foundation Fellowship Awards Three month Fellowship in the U.K. - Curriculum development, teaching through Commonwealth themes, educational drama and performing arts.	August 28, 1991
♦ Australian Academy of Science Postdoctoral Fellowships in the UK - Awards for Scientists - 1992	September 23, 1991
♦ Australian Academy of Science Postdoctoral Fellowships in Japan - Awards for Scientists 1992/93	October 25, 1991

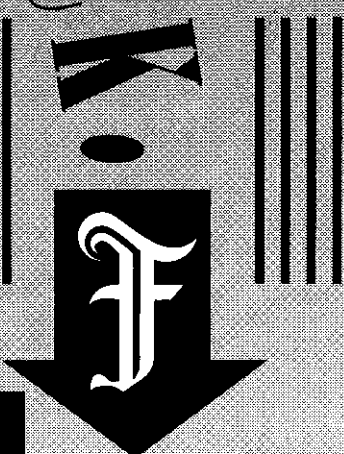
Information on the above grants is contained in 'NEWS' on the VAXcluster. Further information and relevant application forms are available from the Office for Research - telephone 21 5305.



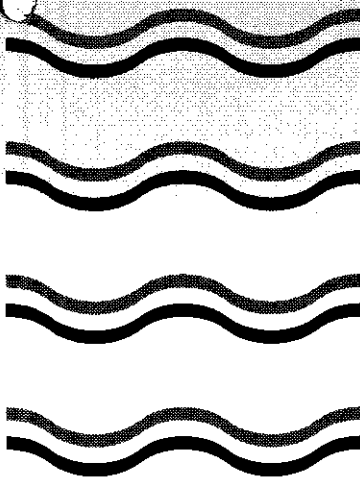
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