A Department of Geography student and a tutor, who leapt over a precipice into an icy river in an unsuccessful attempt to save a fellow student, have been honoured with bravery awards.

Mr Gavin Doyle, 24, who completed his Honours year of a Bachelor of Science degree in 1990, and Mr Geoff Manners, 20, a Third Year Bachelor of Science student, will receive Commendation for their attempts to rescue Robert Jeffrey Foote, who died after sliding down the side of a river gorge and over a 45 metre cliff while on a geography excursion to the Central Highlands of Tasmania in February, this year.

Robert Foote was one of 51 Geography students and staff on a Third Year field course in Physical Geography who undertook a six day, 90 kilometre trek along the Overland Track from Cradle Mountain in northern Tasmania to Lake St Clair in central Tasmania to study the variations in the natural landscape.

On February 11, Geoff Manners was following 20 year old Robert on a trek his group of 13 had decided to take to view the spectacular falls and incised gorges at the head of the Mersey River, when he saw him slip and lose his footing. "It was pretty wet and it was raining when Rob lost his footing and began sliding down the side of the gorge," Geoff said. "At the time I didn't believe it, I thought something would stop him or he would manage to get hold of something and would clamber back up, but that didn't happen." Geoff lost sight of Robert as he fell over rocks that jutted over the river. After hearing a splash as he hit the water, Geoff began calling to Robert and made several unsuccessful attempts to clamber down the steep slope.

Gavin Doyle, one of the group leaders, was alerted by a student and came back to see what had happened. "I ended up a few metres downstream from where Geoff was standing and could see Rob in the water," Gavin said. "Geoff and I knew CPR (cardio-pulmonary respiration techniques) so we jumped in." A third member of the group was sent to get some warm clothing. "At that stage, we assumed we would be pulling Robert out of the water and Reviving him, so we would need something dry to warm him," Gavin said.

Unable to estimate the depth of the river, and in Geoff's case unable to see where he would land, the two men plunged into the icy, alpine river, retrieved Rob from the bottom and dragged him downstream to shallower water before commencing CPR. Geoff said the water at the point they entered was about one-and-a-half metres deep and so cold he felt unable to breathe. Dressed only in shorts, the two administered CPR to their fellow student for around half an hour, before other students managed to scramble down another part of the gorge to relieve them.

"We couldn't feel our hands and feet and were shivering violently. It would have been really bad if we'd stayed in the water any longer," Geoff said. While Gavin thought the extreme cold may have given Rob an increased chance of survival, he never regained consciousness. Both men denied acting heroically. "We wouldn't have jumped off a cliff into icy water for fun but because it had to be done, it was done," Gavin said. "It was the last thing we expected to happen," Geoff said. "There we were having a magnificent time on a University field trip; death was the last thing we expected."

The same group, two days before Robert's tragic death, had been first on the scene of a light aeroplane crash. "The National Parks and Wildlife Service were using the plane to drop off supplies to a hut on the trail," Gavin said. The group had been high up on a ridge when it heard the plane's engines die and the following crash. From their position, they were able to ascertain, by calling, that all four crew and passengers of the plane were uninjured and direct rangers, who were unable to see the crash site from the valley floor, to the area.

Robert Jeffrey Foote came to the University of Newcastle from Mt Druitt and was a keen bushwalker. The Tasmanian trip was his first trip outside NSW. Described by Professor of Geography, Eric Colhoun, as a quiet intelligent person, Robert will be remembered through the initiation of the Robert Jeffrey Foote Memorial Prize. The prize will be awarded to a Third Year student in Physical Geography each year. "His memory lives on," Professor Colhoun said. "Through his accidental death Robert Foote has inadvertently passed on to a wide body of students a much better understanding of the meaning and value of life," he said.
WOLLOTUKA CENTRE DIRECTOR LOOKS AHEAD

The new Director of the Wollotuka Aboriginal Education Centre has a vision for the future of Aboriginal and Torres Strait Islander students on campus. Tracey Bunda, who took up her position as Director on July 20 this year, initially wants to provide the University with a profile for Goori and Torres Strait Islander (TSI) education.

“There has been no continuity in directorship (of the Wollotuka Centre) for a number of years, so Aboriginal and Torres Strait Islander education has remained an unknown,” Tracey said. “Now there is a director in place, part of my responsibility will be educating people on campus about Aboriginal/TSI education. I want to be able to achieve support mechanisms within each faculty where our students are,” she said.

There are currently 110 Goori/TSI students, spread across a wide range of faculties on campus. One of the first problems Tracey wants to address is access to education. “Many of our people have previously had sad experiences of education,” she said. “Because of the way the University is structured, we must provide models of access that balance Goori needs for education with the University’s criteria.”

Many mature age Aboriginal students would have experienced mission education, achieving only a basic primary school education, Tracey said. And even those who are school leavers would probably have had unhappy experiences, she stated. “There are many causes, from teacher indifference, incompatible curriculum, inappropriate pedagogy, to poverty and racism,” Tracey said.

Tracey, a 31 year old Queenslander who trained as a primary school teacher, was co-ordinator of Aboriginal/TSI education at the Australian Catholic University in Ipswich before co-ordinating an Aboriginal program in Victoria’s Gippsland. She works on the premise that Aboriginal/TSI people want the same education as non-Aboriginal people but in a context that is culturally appropriate. “It is emotionally tiring on campus to educate non-Goori about our culture and belief systems and how to apply them in an educational context,” Tracey said. “There is a definite push within the Government towards the mainstream but Aboriginal/TSI people need to resist that. One of the positives has been the establishment of Goori/TSI centres within universities.”

One of Tracey’s aims is to develop Aboriginal/TSI perspectives for courses throughout the campus and make lecturers aware of appropriate teaching methods for Aboriginal students. “The strategies we want non-Aboriginal lecturers to employ would be favourable for non-Aboriginal students as well. The starting point is for them to recognise we come from a different cultural background and (from an academic viewpoint) from a different language background,” Tracey said. “We want graduates with a strong sense of identity, yet who, in the process of studying at a university, would have developed skills that can be utilised by our communities.”

The Wollotuka (eating and meeting place) Centre, established in 1988, is not only a place where Goori/TSI students can gain the support of their own people, it also provides a resource centre where non-Aboriginal students can educate themselves about Aboriginal culture. Tracey wants permanency of tenure for the Aboriginal staff of the Centre, including some who have been at the Centre since its inception, and are still employed casually. She also wants to employ more Goori/TSI staff to develop programs for Goori students.

Specific programs Tracey hopes to implement include incorporating Aboriginal studies as a core component of teacher education, and developing the Diploma of Aboriginal Studies offered in the Arts Faculty to a degree level course. She would also like to undertake a recruitment program to cover the whole of NSW, particularly targeting Year 11 and 12 students to increase Aboriginal enrolments at university.

 Asked if she thought things had improved for Aboriginal students, Tracey said while she would like to say “yes,” she fears “no” is more realistic. “For every 10 steps we take forward, we then have to take 20 back,” she said. “It will take time.” But, with Tracey at the helm, things are sure to improve for Newcastle’s Goori/TSI students.

CONVOCATION PROUDLY PRESENTS

Professor Neil Rees

Inaugural Lecture

“A Bill of Rights for Australia”

at 12.30pm on 14 October 1992 in Lecture Theatre K202, Medical Sciences Building.

“This year the Australian High Court has delivered a number of significant decisions concerning human rights protection. Those decisions will be considered in the light of the arguments in support of, and against, an Australian Bill of Rights.”

Neil R. Rees, 1992
TICKET TO RIDE....

According to Special Education lecturer, Mr Les Cooper, teaching is still one of the most rewarding careers anyone can pursue, but it is also fast becoming one of the most difficult and stressful. An ever increasing number of children with behavioural and learning difficulties are entering the school system. For this reason, Mr Cooper recently arranged for Dr Ray Beck, the principal author of an American program designed to help teachers cater for students with academic and social problems within the regular classroom, to visit the University's Special Education Centre.

Mr Cooper says he was first made aware of Project RIDE (Responding to Individual Differences in Education) when he attended a Department of School Education conference in Sydney last year at which Professor Hill Walker, one of the world's most well known and respected academics in the field of special education, gave a keynote address about the project.

"I immediately recognised the content of RIDE to be exactly what we needed here in our schools," Mr Cooper said. "Like most fields, we receive loads of packages and programs, but so many of them just sit on the shelf. The difference with this program is that it sets up a team within the school. It's a staff development program which actually gives teachers something they can go into the classroom and use."

Mr Cooper said he had been negotiating Dr Beck's visit for the past year, and judging by the response from teachers and academics, the program has enormous potential for use within Australian schools and in teacher education.

Essentially, RIDE is a package of materials designed to help teachers cater for "at-risk" students (students in danger of being removed from the regular classroom because of behavioural and/or learning difficulties) within the regular classroom. It involves teachers identifying and describing the problem behaviour and entering this into a computer. The teachers are then given a list of six or seven tactics which have been proven to work in that particular situation. Every intervention method is backed up by a video of eight to ten minutes duration. "We have identified close to 40 problems; from kids who get out of their seats, to kids who lie, cheat and generally misbehave," Dr Beck said.

One example Dr Beck gave during his talk to Master of Education students was of a teacher who was having problems with two students who were continually fighting. "The teacher selected a tactic called 'Thoughtful Essays,'" Dr Beck said. "This is an idea based upon research from roughly ten years ago which shows that if you can get youngsters to think through the consequences of their behaviour ahead of time and set them out in written form, they are less likely to get into a fight."

Dr Beck said that perhaps an even more important component of RIDE than these practical strategies is the idea contained in the package of a team approach to solving problems within the school. "One of the most important aspects of this package is the fact that it encourages teachers to look upon children within the school as our students, rather than my student or your student. It is about acknowledging the fact that the problem the Year 2 teacher is having with a particular child will soon become the Year 3 teacher's problem, then the Year 4 teacher's problem, and so on."

Mr Cooper agrees. "One of the areas I find exciting about the project is the fact that it encourages teachers to share ideas," Mr Cooper said. "Too often teachers are embarrassed to discuss problems they may be having in the classroom because they are afraid it may look as if they are lacking in some way. Teachers are also reluctant to talk about the success they have had with a particular method of solving a problem because it might seem like they are gloating. This is unfortunate because so many problems could be solved if only such knowledge was shared."

"With Project RIDE, teachers can use the data base for support and ideas without the need to disclose the problem to others. The program also encourages teachers to discuss methods they have found to work by giving them positive feedback. The program is designed so that each school can add its own tactics to the existing data base."

Mr Cooper is confident the program will soon become a valued resource for teachers nation wide. He says he agrees whole-heartedly with Dr Beck's sentiment that the whole idea is well overdue and "so simple, it's almost embarrassing."

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CAREERS OFFICER TELLS FINAL YEAR JOB-HUNTERS TO "HANG IN THERE"

The time when a university degree was an automatic ticket into a job of your choice has well and truly gone. Thanks to the "recession we had to have", final year students can expect to face tough times when they complete their exams in a few weeks. But they need not despair. According to the University's Careers Officer, Ms Helen Parker, jobs may not be as readily available as they have been in the past, but they are still out there for people who are willing to go and find them.

Ms Parker says the recession has affected the employment prospects of graduates of most disciplines equally, although a few areas, such as computing, have been particularly hard hit. "In May this year the big companies, such as QANTAS, which have traditionally been big recruiters of new graduates, just stopped approaching us," Ms Parker said.

"With the recession, managers started looking at their budgets for ways to cut spending, and one of the first things to go was the traditional, expensive campaign used to promote companies around university campuses. One of the best examples is IBM, who was very active..."
WOMEN AND EXERCISE

A breakthrough study being carried out by Dr Christina Lee, senior lecturer in the Department of Psychology, and Professor Saxon White, from the Department of Human Physiology, will provide valuable information about the effects of exercise on middle-aged women, a group which up until now has been neglected in such studies.

According to Dr Lee, little is known about the effects of exercise on women over 40 years of age, mainly because researchers perceive too many difficulties involved in carrying out this type of research with this age group. "Most research into the effects of exercise has been done with young men," Dr Lee says. "This group (women over 40) has been put into the too-hard basket by researchers because of the perceived difficulties of working with them."

Dr Lee says one of the main obstacles, in the eyes of researchers, to working with women over 40 is the higher incidence of health problems, such as heart disease, arthritis and diabetes which exists among this group. "Having to screen for such illnesses has meant that researchers have steered clear of this group. This study should provide very valuable information."

The study, involving 75 women between the ages of 40 and 65, is designed to test the effect of regular exercise on the physical and emotional well-being of middle-aged women. Dr Lee says there is evidence to suggest that exercise has a stabilising effect on a person's mood, as well as helping to prevent such conditions as heart disease, diabetes and osteoporosis.

Dr Lee and Professor White called for volunteers to participate in the study from all areas of the University and were met with an enthusiastic response. "One of the nicest things about the study so far has been meeting all kinds of interesting people from around the University who I wouldn't normally get to meet," Dr Lee said. "We have women of all shapes and sizes and levels of fitness involved in the study."

Volunteers were asked to visit their local doctor for a medical check-up before taking a 40 minute fitness test, which involved completing a number of questionnaires about exercise history, opinions about exercise and general well-being. Volunteers were also weighed and measured, had their heart rate and blood pressure taken and their flexibility tested. Aerobic fitness was tested by pedalling on an exercise bike for several minutes while resistance was increased until the volunteer's heart rate reached 130 beats per minute. This test is to be repeated after volunteers have participated in a twelve week exercise program, and again after a further 12 weeks.

Women were randomly placed in either a control or an intervention group. Women in the latter group meet once a week to receive information about different low-impact exercises which they can carry out in their own time. "The idea isn't to involve the women in a highly structured exercise program in which they would quickly lose interest," Dr Lee said. "Instead, the idea is to encourage the women to regularly engage in some low impact activity which they enjoy, such as walking, in their own time."

While Professor White will be primarily concerned with the effects of the exercise program on the women's physical fitness and body shape, Dr Lee is keen to see the effect the exercise has on the women's mood.

CAREERS OFFICER

Continued from p3

in the 1980's, but who is now looking very hard at its recruitment programs. This year IBM has made no approaches to us at all. It is something which universities are experiencing nation-wide."

Each year, in April, The University of Newcastle surveys graduates (people who have finished their course work but haven't received their formal award) as part of a national survey designed to get a picture of graduate employment patterns for that year. According to Ms Parker, one of the trends to emerge in recent years has been the increasing number of students finding employment with smaller firms. "Smaller firms have become more attractive for a few reasons. First, they no longer pale in comparison to the traditional glitzy campaigns of national recruiters and second, people feel a bit safer within smaller firms. There have been large-scale lay-offs within larger firms in recent years, and people don't forget that easily, whereas smaller firms don't fluctuate so much in their business."

In planning their job hunt, graduates should consider the advantages of working for smaller companies. "New graduates can be involved in a wider variety of tasks and a higher level of decision making because there aren't the many levels of management that exist in the larger companies," Ms Parker said.

"Graduates shouldn't overlook smaller companies when they are looking for a job, even though it may take a bit more effort because of the need to be pro-active. Smaller firms don't tend to advertise positions, so it's a matter of making the first move and approaching them."

Another avenue for new graduates is to take advantage of the skills shortage being experienced in Singapore in the areas of engineering, business and computing. Singapore is actively encouraging Australian graduates to go and help ease this shortage. Ms Parker said this offers a great opportunity for young people to spend a couple of years working overseas before returning to Australia when the economic climate has improved.

Ms Parker stresses that students should not become discouraged and depressed if they receive little positive feedback from their approaches to firms in the Christmas and New Year period. "All this means is that the relevant people may have taken off to Noosa for a couple of weeks. This is not a good time to start pounding lots of energy into looking for a job. Even in the boom times, everything seems to grind to a halt over this period," Ms Parker said.

In a nutshell, the advice Ms Parker offers to students is to "hang in there", and not to suffer in isolation. "There are plenty of people who are only too willing to help you, including the Careers Office here at the University. It may take a little longer to find a job than it did in the past, but the main thing is not to become discouraged. You will eventually find the job that was meant for you."
SMALL BUSINESS SEMINAR

Small businesses need nationally organised support as well as increased education and training to succeed, an American academic, Professor Eugene Gomulka, said during a recent visit to the University.

Professor of Management at the School of Business and Administration, University of Dayton in Ohio, Professor Gomulka is President of the International Council for Small Business (ICSB) and was visiting Australia to deliver the keynote address at last month’s Sydney conference, “Australian Small Enterprise: Showing the Way to Economic Recovery”. While teaching management and entrepreneurship, Professor Gomulka also researches and writes about small enterprise, as well as running a worldwide consulting business. His knowledge of conditions affecting the growth of small business on a global scale is extensive.

“The failure rates for small business internationally are amazing, with one-half to three-quarters failing within five years of being established,” Professor Gomulka said. “People start all fired up, with hopes, dreams and expectations, but the reality is a lot of heartbreak and part of the reason is a lack of information and skills.” Australians are encouraged to view small business as an alternative to unemployment, Professor Gomulka said. He said Australia has a strong historical and traditional support for the establishment of small business, which is one factor that determines whether entrepreneurs set up businesses.

Another important factor is finance, with entrepreneurs worldwide wondering where the money will come from and how they can obtain it to start a business. “The question of how bankers assess applicants for small business loans interests me,” Professor Gomulka said. “Most bankers, including those in Australia, are very risk averse with a lot of emphasis placed on collateral and less upon the skills and capabilities of entrepreneurs,” he said. Professor Gomulka hopes to come up with an assessment method for bankers that could be passed on through training.

WOMEN AND EXERCISE

Continued from p4

states. “Studies in the past have shown that regular exercise has a positive, stabilising effect on a person’s mood. This could be of real benefit to women in this age group,” Dr Lee said.

In order to study this effect, the women are asked to complete a psychological test during which they are given a list of adjectives and asked to mark those which best describe their mood.

As a relatively small part of the study, Dr Lee and Professor White will also look at the impact of oestrogen on mediating the effects of exercise on fitness and mood in post-menopausal women.

According to Dr Lee, the response from the women participating in the study, which has been sponsored by the National Heart Foundation, has been very encouraging. “Most seem to be enjoying the study. Many women in this age group have wanted to take part in an exercise program but found it difficult because most programs are designed for the young and already fit, and do not fit in with the lifestyle and needs of middle-aged women.”

Dr Lee says the real test for the women will be when they are tested in February. “We should see our most interesting results then. The Christmas/New Year period is traditionally a very unsettled time, and it will be very interesting to see the effect of the exercise program after this period.”

UNIVERSITY WINS ARBITRATION COMPETITION

The University of Newcastle Industrial Relations Society was formed this year by students keen to improve their working knowledge of industrial relations. Since its establishment, the Society has developed links with the Newcastle Branch of the Industrial Relations Society of NSW. According to members this has proven valuable in providing student access to practical industrial relations as well as providing a link between Hunter Industry and the University.

That the Society’s goal of “Providing Student Access to Practical Industrial Relations” is being met was highlighted at a recent Mock Arbitration Competition, run by the Industrial Relations Society of NSW, at which fictional cases were argued before actual Industrial Relations Commissioners, observing the rules and conventions of the Industrial Relations Commission.

The Newcastle teams won all rounds convincingly, easily defeating teams from the Universities of NSW and Sydney. To make the final (which was argued in front of Commissioners Conner and McKenna) more interesting, the University of Newcastle team competed against a combined University of Sydney and University of NSW team. Not to be outdone, the Newcastle team again won convincingly.

The team expressed gratitude to Tony Brown, Secretary of the Newcastle Branch of the Industrial Relations Society and Human Resource Manager for the MSB, who has provided the Society with invaluable advice on industrial relations procedure and tactics. Sponsorship was also provided by Mr John Allen from the Transport Workers Union, Mr B Radford from NCTEC, Mr P Manion of Mooney, Rutter and Mantach, and the Federation of Industrial Manufacturing and Engineering Employees.
CHRISTMAS DAY

The Hunter Valley Theatre Company (HVTC) will hold a $5 preview of Claire Haywood's Christmas Day on October 12 at 8pm.

Fresh from its successful run at the Q Theatre, Penrith, Christmas Day will be directed by the HVTC's new artistic director, Kingston Anderson and will open on October 14. Every Thursday, students will be admitted for only $8 to the HVTC's final production for 1992.

Christmas Day was first workshopped at the 1990 National Playwright's Conference, where it was directed by Kingston Anderson. The play was further developed during rehearsal, with the writer developing the script and contributing to the final direction. It explores one of the greatest dramas we all experience, the family Christmas gathering.

Kate (Paula Forrest) is a successful TV journalist, whose documentaries on world disasters have won her great acclaim, but none of her TV disasters prepares her for this appallingly hilarious family reunion. Kate brings her self-obsessed sister (Rosie Jones) together with their father (Brian Harrison) and stepmother (Barbara Morton) for what turns out to be a Christmas that will change their lives forever, as their mother (Doreen Warburton) escapes from a nursing home in Brisbane and takes over the whole proceedings.

The Sydney Morning Herald said Christmas Day was "tough and funny, a considerable achievement, in both its text and its production...an Australian play that is soundly located in its culture and is universal in its themes."

Christmas Day plays Tuesday to Saturday nights at 8pm with a Saturday matinee at 2pm until November 7. Bookings can be made by telephoning 26 2526 or enquiring at the box office at 377 Hunter Street (opposite Civic Station).

VISIT BY DR TREVOR MARSHALL

A world physics expert, Dr Trevor Marshall, will visit the University's Department of Physics this month to shed light on a little known view of quantum mechanics.

Dr Marshall, who was appointed Honorary Fellow at the University of Manchester in 1987 after spending the majority of his career there in the Mathematics Department, has spent many years working in the area of theoretical physics called Stochastic Electrodynamics. He has been invited to Australia by the Department of Physics to deliver a series of lectures to explain exactly what this means.

Dr Marshall's visit has developed out of a seminar presented to the Department of Physics by Professor Paul George on Stochastic Electrodynamics in 1991. Professor George initiated contact with Dr Marshall and has obtained support for his visit from the British Council, as well as from the New South Wales branch of the Australian Institute of Physics and the Ian Potter Foundation.

According to Associate Professor John O'Connor, Head of the Department of Physics, Stochastic Electrodynamics is essentially a different way of looking at quantum mechanics from the commonly accepted method.

"The generally accepted and long-held view of quantum mechanics is one in which all phenomena are described as waves," Associate Professor O'Connor explained. "Dr Trevor Marshall has been working on an alternative description, which involves combining classical physics with the background, or zero point radiation field predicted by quantum mechanics. This alternative view has not received general acceptance and in fact, is not known by many physicists."

Dr Marshall will explain all at a series of lectures at the University which, according to Associate Professor O'Connor will be of interest and benefit not only to members of the Physics Department, but also to other members of the University and the community at large. For more information, contact Associate Professor O'Connor in the Physics Department on extension 5440.

Lecture Program

Tuesday, October 13 4.30pm D105
"Silver Atoms, Squids and Cats, Particles of Waves?"

Thursday, October 22nd 1.00pm D105
"What Does Noise do to the Bell Inequalities?"

Thursday, October 29 7.00pm D105
"What is Light?" (Public Lecture)

Thursday, November 5 1.00pm D105
"Real, Ideal and Imaginary Stern-Gerlach Experiments" (Physics Department Seminar)

NOTES FROM THE UNIVERSITY COUNCIL

WORK-BASED CHILD CARE

Work-based child care is one important way for organisations to lift productivity and draw on the skills and commitment of staff.

It's even more important to individuals who have career aspirations, family needs and just plain difficulty juggling everything in their diary - particularly the bits about job satisfaction and quality of life.

Work-based child care is one of the better meeting places for economic rationalism and the arguments of social justice.

The University Council at its August meeting affirmed its strong commitment to providing work-based child care on campus. Members believe that this facility can play a significant role in attracting staff and supporting their career development. The matter was referred to the Physical Planning Committee, and Budget and Finance Committees for further consideration.

Council's report from the Working Party provided revised project costs because of an atypical pattern of age placement. It costs more to care for young children, and this is where the majority of the demand is. The Vice-Chancellor has undertaken to consult further with the Working Party and to report back to the next meeting.

NOR BREAD ALONE

The Religious Centre Advisory Group recommended to Council the dedication of a "quiet place" of meditation for those of all faiths who may wish to spend time in reflection or worship.

Council's support for this proposal will see the planning proceed to the next stage of physical planning and the allocation of moderate levels of resources, from time to time to embellish the space and provide facilities.
HADDON FORRESTER KING MEDAL

Nominations are invited for the inaugural 1993 Haddon Forrester King Medal award, for work in the field of mineral exploration.

The award recognises the contributions of the late Haddon Forrester King to the application of the geological and related sciences to the search for mineral deposits in Australia and elsewhere. Haddon King joined Zinc Corporation as its Chief Geologist in 1946, became Director of Exploration for the merged Conzinc Rio Tinto of Australia (CRA) in 1962, and continued in this capacity until his retirement in 1970. He was a consultant to CRA until 1986.

The award will be made biennially to a scientist resident in Australia or elsewhere, for original and sustained contributions to earth and related sciences of particular relevance to the discovery, evaluation and exploitation of useful mineral deposits, including the hydrocarbons.

Proposals should be accompanied by a nomination form, available from the Academy of Science secretariat, and include a curriculum vitae and sufficient details of the candidate's scientific work to enable the Academy to assess it in the light of the criteria for the award. Referees (at least two) should forward comments directly to the Academy to arrive by the closing date, January 29, 1993.

Nominations are confidential and should be addressed to The Executive Secretary, Academy of Science, GPO Box 783, Canberra 2601. Enquiries should be directed to Faye Nicholas on telephone (06) 247 5777 or fax (06) 257 4620.

STAFF LOOKING SMARTER

In what has been hailed as a first for universities around Australia, The University of Newcastle has recently adopted a 'corporate wardrobe'.

The non-compulsory wardrobe which has been enthusiastically received, is being worn by administrative staff across all areas of the University. Both men and women have been catered for, although it seems that it's mostly the women who have opted to buy the wardrobe.

The women's wardrobe designed by Newcastle designer, Jean Bas, consists of a range of plain colours; navy, chambray blue and brick, with a co-ordinating print.

The men's wardrobe designed by Rundles features a navy double-breasted suit with a chambray blue shirt and a range of more casual trousers, sweaters and vests. All co-ordinate with a University tie.

A committee made-up of staff members has worked since March towards developing the wardrobe which is affordable, convenient and smart. And wardrobe it is, rather than simply a uniform. With the wide variety of combinations, it is rare that any staff member is dressed exactly like another, although the common theme is maintained.

A spokesperson for the Committee said the wardrobe provided a convenient way to dress for work, made staff more readily identifiable to students and visitors to the campus and created good morale amongst staff.

Not only do staff look smarter, but they have created a first in university circles around Australia. And judging by the response, it looks as though the next round of orders will see a lot more people sporting the 'Uni style'.

From left: Jane Drinkwater, Lina Bozinovski, Kristen Amos, Cae Pattison, Judy King, Alison Gentle show the new corporate wardrobe.

MUSICAL BUSYBODY

The next meeting of the Music Lovers Club will examine the intriguing life of Baron Gottfried van Swieten - a musical busybody.

Lance Close will discuss the Baron, who patronised Beethoven, considered Mozart to be "promising", and made Haydn put frogs in his music. The Baron also conducted a one-man Bach revival half a century before Mendelssohn thought of it.

One of the great catalysts in the course of late 18th century music in Vienna, Baron Swieten's influence on the music of Haydn, Mozart and Beethoven is rarely acknowledged. This program presents him as an important musical personality in his own right. The music of J.S. Bach, C.P.E. Bach, Haydn, Mozart, Beethoven and van Swieten will be played at the meeting, in room 416 at the Newcastle Conservatorium on October 13.

Everyone is welcome to attend the meeting which begins at 6.30 pm and costs $3, or $2 for pensioners, students and the unemployed.

For further information contact John Allen on 49 7421.
More than 50 years after the sense of history had returned to the second pullover.

The University of New South Wales dancers as they were.

The dancers included students from Aboriginal performative arts programs in High School and University.

The audience were captivated by the Aboriginal performance. The pulsating dance was a revival of traditional Aboriginal culture, a revitalization of a girl from history.

Later in the performance, the dancers on stage performed a contemporary dance.

One memorable event was Gordon, a professor who taught many of the dancers. He was an important figure in Aborigine culture, one with Modernity and tradition. He kept the audience spellbound.

"This is another way of life," he said. "In fact, we lived as he looked around."

DANCE
People took up the invitation to bring a rug, a picnic tea and a cake making when they joined over 40 Aboriginal dancers for a corroboree to be held in the area in the past 150 years.

The bushland campus provided the perfect backdrop for the audience and the dancers, allowing them to experience a ritual as old as their Aboriginal culture.

The performers, wearing ochre and white tribal markings, included groups around the Hunter, including students from Gateshead in the Buntah group. A group from Gunnedah also took part.

Audience members spontaneously joined the Aboriginal performance space to dance with them to the music of a local band, Yothu Yindi.

The audience for whom the corroboree was an extra special night was Goonabarn (his tribal name), a tribal elder from the Taree area who had seen many performers in front of him. He explained how the ritual was part of the richness of Aboriginal culture. "It is about being at one with the giver of all things. It gives me so much joy to see these traditions alive."

"It is a chapter in the strengthening of Aboriginal culture," Goonabarn said. "Strengthening of Australian culture as a whole," he added as the audience, enthralled in the performance.
A picture is worth a thousand words. But this picture doesn't necessarily tell the full story.

Last December, well-known Australian performer, Daryl Braithwaite, gave a concert at the Civic Theatre. He donated part of the proceeds to the University's Committee for Students with Disabilities. Earmarked to provide specialised facilities for students with disabilities, the funds have now been used for that purpose.

The Committee invited Daryl to see the special equipment installed in the Auchmuty Library for vision impaired students, which his generous donation had provided. Unfortunately work commitments prevented him accepting the invitation, but he still wanted to hear all the news.

He invited the Committee to visit backstage before the concert and spent time talking to his visitors while posing for some impromptu photographs. Daryl was pleased to hear that the funds had been put to excellent use and praised the efforts of the Committee.

Pictured chatting with Daryl are Student Support Officer, Annette Rudd; Student Support Office staff member, Kay Dean; student, Kelly Greenwell and her guide dog, Isabelle, and Theresa Crowley.

SCULPTURE
WILL MEAN SOMETHING DIFFERENT TO EVERYONE

Anyone who has passed by the Chancellery Building recently will have noticed a spectacular new addition to the outside landscaping. The sculptor responsible for the art work, Mr Vlase Nikoleski, hopes it will become a continual source of discovery and challenge for everyone around the University.

Vlase, a Senior Lecturer in the Fine Art Department, has created a fountain which he says incorporates distinctive features of Newcastle and the Hunter Region, as well as of the University itself. "Anyone will tell you that (Newcastle) is known for its industrial qualities, but it also has other features, such as its beautiful beaches.

"As well as these general qualities, I have also tried to incorporate distinctive facets of each faculty of the University, such as engineering, technology and, of course, art, into the sculpture," Vlase said.

Vlase says he hopes people will view the sculpture with an open mind and be constantly discovering new things. "I hope people will discover something new each time they see it. Everyone will look at it and appreciate it differently. Even though it is in our nature to want to label things, I didn't want the work to look like anything specific. I would prefer people to view it metaphorically."

Vlase said it has taken about a year to complete the project, which is unlike any he has undertaken in the past. "I have created fountains before, but nothing which has involved so many different elements," Vlase said. "The main sculpture is the head of the work, but I also had to take into account the ground space surrounding it."

Examples of Vlase's work are included in several public and private collections nation wide, including the Australian National Gallery in Canberra.

IRENE HALL
A Unit of International House

Irene Hall provides accommodation for 220 women and men, including students and staff of the University, and staff, outpatients and families associated with the Hunter Area Health Service.

Applications are invited for five residential staff positions tenable during 1993. Applicants should have previously held a position of responsibility in an educational environment, preferably containing students from varied cultures. The positions offered are:

- Deputy Warden (one position)
- Sub-Wardens (four positions)

Preference will be given to applicants who hold a degree or diploma and are proceeding towards a higher degree. However, undergraduates nearing completion of their first degree will also be considered.

The accommodation provided makes these positions generally unsuited to married appointees, although suitable accommodation may be available for a married Deputy Warden.

The responsibilities of residential staff include academic advice and assistance, general and disciplinary supervision, and some administrative duties.

A remuneration package of $6,900 (Deputy Warden), $3,450 (Sub-Wardens) and reduced charges for accommodation and meals is offered.

Further information is available from the Manager, Irene Hall, Pacific St, Newcastle, telephone 293324. Applications close on October 23, 1992 and should include details of educational qualifications and previous relevant experience.
ODYSSEY OF THE MIND

Australian university students are being encouraged to participate in an international competition which requires teams of five to seven people to solve problems which in the past have ranged from leading a team member down a path using only non-verbal cues to guide him, to making four separate devices that relay tennis balls from different locations.

The brainchild of American Dr Sam Micklus, Professor Emeritus of Technology, Glassboro, New Jersey, USA, Odyssey of the Mind is designed to help students develop their self-confidence and creative skills through problem solving and independent thinking. Since its humble beginnings in New Jersey in 1978, the competition has grown to involve one million students (from infants school through to university) from over 10,000 schools around the world.

Australia was represented for the first time at the Odyssey of the Mind World Finals in May, 1991, at the University of Colorado in Boulder, USA, by three high school teams from Newcastle and the Central Coast. This year, Odyssey of the Mind Australian Director, Mrs Elaine Street, would like to see university teams involved in the competition. "The competition provides valuable experience for students and will benefit them in their future employment," Mrs Street said.

The competition requires teams to solve one problem over a six month period and another problem "on the spot" in one to three minutes. The long term problem for the next competition, to be held at the University of Maryland, USA, in June next year, asks students to create a vehicle driven by a mechanical jack. Students are also required to build a wooden structure to support a maximum amount of weight and to devise a dramatic production based on the classic novel, "The Old Man and the Sea".

If you enjoy a challenge, contact Mrs Street on (049) 263999 or (049) 633575 (home).

YOUTH AND ARTS FESTIVAL EXHIBITION

Students from the University's Visual Arts faculty contributed to an Art and Photography Exhibition for New Young Artists held recently at the Newcastle Workers Club.

The exhibition, co-ordinated by two University of Newcastle visual arts graduates, Lisa Bassett and Lauren O'Brien, was staged as part of the NSW Youth Arts and Skills Festival in the Hunter Region. The exhibition, in the Meeting Place at the Workers Club, included 185 works by over 120 Newcastle artists aged between 12 and 25 years old.

There was no set theme for the exhibition, resulting in a wide diversity of art, Lisa Bassett said. "The works include photographs, paintings, sculptures, print making and a lot of collage," she said. "We tried to give all the artists a go and they were unlimited in what they could submit."

Over 400 people attended the opening with several of the works sold that night. All but 20 entries were for sale, Lisa said, with a catalogue listing prices available. Entries included work from young people enrolled in the Margaret Jurd Learning Centre at New Lambton, a special school for children in need of extra help, Lisa said.

About 20 University students exhibited works in the exhibition. The exhibition consisted of a mixture of photography and artworks. The Youth Arts and Skills Festival is a biennial NSW Government funded project and the art exhibition was allocated a $1,500 grant to cover the cost of hanging the works, catering and some assistance with framing.

The largest work was exhibited by a Hamilton TAFE student and stood over two metres-tall and more than a metre wide.

Lisa, 23, who hopes to pursue postgraduate studies at the University next year, said the Workers Club had been "really sympathetic" towards exhibiting the art and she would like to see the Meeting Place made into a permanent exhibition space. The exhibition was extended to coincide with the Mattara Festival.

EDWARDS HALL VACANCIES

The Board of Trustees of Edwards Hall, which provides accommodation for 285 students of the University, is inviting applications for 7 residential staff positions tenable during 1993.

The "after-hours" positions are available at the following levels:

DEPUTY WARDEN (1 position)
and
SUBWARDEN (6 positions)

Edwards Hall caters for men and women in an environment where social, cultural, sporting and academic activities are encouraged. Burnet and Cutler Houses accommodate 210 students, who dine centrally, while the remaining 75 more senior students reside in 5-bedroom units within a number of self-catering houses.

One of the residential staff to be appointed will be located in the self-catering units while the remaining 6 will be in Burnet and Cutler Houses.

Applicants should hold a degree or diploma and should be proceeding to a higher degree OR be a member of the academic staff at the University OR should be engaged in the education profession.

Residential staff provide academic and other assistance to members of the Hall in addition to performing a number of minor administrative tasks. The Deputy Warden provides major administrative assistance to the Warden in student matters.

The Board reserves the right to appoint any other person it considers fit; to make appointments by invitation, or to make fewer appointments than there are vacancies. Residential staff positions are open to married or single men or women. The staff accommodation provided is not, however, suitable for an applicant with children.

The duties, terms and conditions of appointment, remuneration and residential fees of the Deputy Warden and of Subwardens may be obtained from the Warden, to whom applications should be forwarded. Applications should include a curriculum vitae and, in particular, details of previous experience of residential colleges. It is expected that 1993 appointments will be announced early in December. Applications will close on October 16.
NATURAL GAS CLEANER AND CHEAPER

Cleaning up gas may not seem particularly interesting to a casual observer, but even very casual observers may take note once they realise gas can be made more "environmentally friendly".

Associate Professor Ralph Weiland, who has been with the Department of Chemical Engineering at the University of Newcastle since January 1990 has earned a grant of $165,000 from the Gas Research Institute, Chicago, to go on researching the process of removing sulfur and CO\textsubscript{2} from natural gas. Natural gas may contain as much as 30 to 50 percent hydrogen sulfide, which will form the environmentally undesirable gas, SO\textsubscript{2}, if untreated. Traditionally, removal of sulfur and CO\textsubscript{2} has been accomplished by using aqueous solutions containing any one of a number of amines including monoethanolamine (MEA), diethanolamine (DEA), and more recently, methyldiethanolamine (MDEA).

A few years ago, a number of companies, particularly solvent vendors, became interested in the use of mixtures of amines for treatment of natural gas. With a team of researchers in the USA, he carried out studies into blended amines and, in the mid eighties, was the first to publish research into blended amine technology.

"This work was the result of an effort to show how feasible it is to accurately predict the performance of blended amines in practical, commercial applications," Ralph explained.

"The results were immediately used in the marketing and engineering of blended amine processing by Dow Chemical, USA who had sponsored the research," he added. In the USA today all solvent vendors are involved in blended amines technology.

According to Ralph, the main goal in using blends for natural gas applications is to ensure that the product gas meets pipeline specifications for both H\textsubscript{2}S and CO\textsubscript{2} without removing more CO\textsubscript{2} than absolutely necessary because it is not cost efficient to do so. "You generally can't produce a gas that does this by using a single amine solvent," Ralph said.

"Removal of just the right amount of CO\textsubscript{2} gives you minimum solvent circulation rates and uses minimum energy for solvent regeneration," Ralph said. "An interesting fact is that up to 80% of the annual operating costs in gas plants are energy related, and most of the cost is due to solvent regeneration. Because of their ability to tailor CO\textsubscript{2} slip and to reduce energy usage in gas processing, amine blends are being used more widely in the gas industry," he added.

However the use of amine blends in industrial practice is not yet fully understood. Ralph's grant will enable him to develop a better understanding of the technology.

"The kinetics and thermodynamics of high-strength amine blends have barely been addressed and the very small amount of work that has been reported doesn't allow us to predict their performance in commercial equipment," Ralph said. "This research will provide some of these answers in the future."

INTERNATIONAL HOUSE

DEPUTY WARDEN

Applications are called for the position of Deputy Warden at International House. The House is a self-catered hall of residence within the University, currently accommodating 178 students. It may grow to 198 during 1993.

The Deputy Warden assists the Warden in the administration of the House and, in particular, is the responsible person after office hours. A Sub Warden and fourteen Senior Residents assist the Deputy Warden.

Applicants should be committed to working with undergraduates, especially in a multi-cultural community. The position is from January 1, 1993 to December 31, 1993 with the possibility of renewal for a further year by mutual agreement. A full duty statement is available from the Warden.

Applicants should be experienced in dealing with the community. A secondary degree or who are proceeding to a higher degree will normally be preferred. The Board of Governors has stipulated that preference would be given to full time students.

A small flat is available to the Deputy Warden at a nominal rate and a stipend based on 100 times the basic rent for a room is payable. In 1993 this stipend will be $6,900 p.a.

Applications should be made to the Warden International House by Friday October 23, 1992.
1992 TELEMATCH

The annual "Telematch" for overseas students, hosted by the Hunter Committee for Overseas Students (HCOS), was held recently. Over 250 students attended, and teams representing various student associations, ELICOS, and Foundation groups competed for the shield and trophies.

Telematch is a day of fun and games similar to the TV program, "Almost Anything Goes". Games included the Chair Race, Three Legged Soccer, Tug-of-War, and even a cake eating contest.

Overall winner for 1992 was the Korean Student Association, and runners-up were the ELICOS and Foundation Studies teams.

Special thanks must go to the Telematch sponsors - the Universities Credit Union and the International Students Office - for their support; to Andrew McAlister from the Activities Office for his assistance; to the Sports Union and the Hunter Gymnasium for the use of their facilities and equipment; and to Puai, Anwar, Yongau and Cheen Sing for their efforts as part of the organising committee.

Alex Tagaraulias
Welfare Officer, International Students Office

Some of the "Telematch" participants enjoying a break between events. Mr Anwar Abdulla, founder of the event, is pictured at far left.

THE UNIVERSITY OF NEWCASTLE GEOGRAPHY DEPARTMENT

STAFF/STUDENT SEMINARS SEMESTER 2, 1992

The 1992 Staff/Student Seminars will be held on Thursdays from 12 noon to 12.55 pm in S225

<table>
<thead>
<tr>
<th>Date</th>
<th>Presenter</th>
<th>Topic</th>
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<tbody>
<tr>
<td>October 15</td>
<td>Michael Saynor</td>
<td>The University of Newcastle</td>
</tr>
<tr>
<td>Topic</td>
<td>Revision of the Caesium 137 technique and field data from Monikerai, NSW</td>
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<tr>
<td>October 22</td>
<td>Phil O'Neil</td>
<td>The University of Newcastle Postgraduate</td>
</tr>
<tr>
<td>Topic</td>
<td>The Resurrection of Regional Geography?</td>
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<tr>
<td>October 29</td>
<td>Dr Bob Bradnock</td>
<td>School of Oriental and African Studies</td>
</tr>
<tr>
<td>Topic</td>
<td>Geography and the Developing World: Changing perspectives from Asia and Africa</td>
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<tr>
<td>November 5</td>
<td>Dr Peter Hoare</td>
<td>Anglia University Cambridge UK</td>
</tr>
<tr>
<td>Topic</td>
<td>Late Quaternary history of east-central England and the adjoining North Sea Basin</td>
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ALL WELCOME

POSTGRADUATE SEMINARS

DEPARTMENT OF EDUCATION POSTGRADUATE STUDENT AND STAFF SEMINAR PROGRAM FOR OCTOBER-NOVEMBER

VENUE: Room C67 Hunter Building, Thursday 4.15 - 5.30pm

Staff involved in these seminars present papers on their current research. The students participating are enrolled in major thesis degrees such as the PhD, Ed.D and M.Ed and report on aspects of progress in their research.

Presenters for October and November 1992:

<table>
<thead>
<tr>
<th>Date</th>
<th>Presenter</th>
<th>Topic</th>
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<tr>
<td>October 15</td>
<td>Ray Barker</td>
<td>A History of Training Apprentices and Technicians in the Metal Trades in NSW</td>
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<td>October 22</td>
<td>Peter Beamish</td>
<td>Data base and Metacognition</td>
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<tr>
<td>Topic</td>
<td>Causes and Effects of Teacher Stress</td>
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<tr>
<td>October 29</td>
<td>David Wischer</td>
<td>The Epistemological Foundations of Theological Education</td>
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<tr>
<td>Topic</td>
<td>Is there a Blueprint for Health in Nature? Implications for Health Education</td>
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<tr>
<td>November 5</td>
<td>Merle Bruce</td>
<td>A Metacognitive Word Identification Program</td>
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<tr>
<td>Topic</td>
<td>Development of Metacognitive Abilities in Word Identification</td>
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WATT SPACE

Watt Space is currently hosting an exhibition curated by student Donna Biedl, featuring the work of ten visual arts students from the University.

In keeping with its aim to encourage student involvement in all facets of exhibition and gallery experience, the gallery recently opened for submissions from students interested in creating an exhibition. Donna, a second year painting student, was successful with her submission, "Friction on the Home Front".

Through sculpture, painting and prints, the artists investigate the underlying causes of friction in our society today, including aspects of personal and sexual relationships, the power of the media, the family, and adoption.

The artists are all University of Newcastle students, ranging from first year to postgraduate levels.

Watt Space, at 11 Watt Street, Newcastle, is open Thursday to Monday from 12.00 noon until 6.00pm. "Friction on the Home Front" can be seen until October 29.
**ADVERTISEMENTS**

**FOR SALE**

Italian Hiking Boots, Mens size 7½, as new $30 o.n.o. Please telephone Mary on extension 6604.

1974 Alfasud Sedan, registered February 1993, motor, gearbox good, some rust, steering arm broken from bulkhead, otherwise runs well - any reasonable offer. Please ring Doug on 215763.

Evening Dress, size 10-12, stunning black taffeta gown elegantly adorned with pearls and sequins, has never been worn. Cost $260, sell $130. Please telephone 548305.

**WANTED**

Corporate Wardrobe print fabric offshore. If you are a short person who will be trimming a fair bit off your skirt/skirt, would you please consider selling me the excess fabric? I would like to use it to trim plain tops for summer. Please telephone Dena on extension 5564.


Impecunious lady sorely needs a tranquil hideaway, if possible near water, for a few weeks to convalesce and perhaps to paint. Any suggestions? Please telephone extension 5730.

**DO YOU NEED FORMS DESIGNED? COMPUTING SERVICES CAN HELP YOU**

The Computing Services offers assistance to Departments of the University to do all aspects of data entry, e.g.: designing of forms, entering data into computers etc. This service is free to staff in Academic and Administrative Departments and Research Students, with a cost to outside users of $25 per hour. Please contact Julie Stephens on 215381 or pop in to McMullen Building, Room G16 between 9am and 5pm.

**ACCOMMODATION**

**FOR SALE**

OLD SCHOOL RESIDENCE
Peaceful retreat situated between Paterson and Dungog. Older style house on an excess of one acre with established gardens, fruit trees, and a dam. House has three bedrooms with b.ins. Immaculate Tas. Oak Kitchen with quality inclusions. Has comb heater and air cond. Large garage and workshop. Near train stop giving easy access to Newcastle and Maitland. Priced to sell at $110,000. Please telephone (049) 956112 a.h.

**FOR RENT**


**LETTER TO THE EDITOR**

Dear Editor,

Environment Week has gone, but its posters linger on. All around the main campus, fastened to trees, walls, and doors - and even slipped into locked noticeboards from which they cannot be removed without the key - are A3 sheets inviting me to join activities in the week 14 to 18 September.

One somehow expects this sort of lasting litter with events such as SRC elections; but it does seem a trifle ironic that the promoters of Environment Week were prepared to use so much paper in their promotion (and it doesn’t look like recycled paper), and that they are prepared to leave it around after the event as a testimony to what they really think of the environment.

Love, Simon.

**NATIONAL LOSS AND GRIEF AWARENESS WEEK**

The National Association for Loss and Grief (NALAG) will present a performance by the unique Sydney theatre company, Playback Theatre, on Friday, October 30 at the David Maddison Lecture Theatre in King Street, as part of National Loss and Grief Awareness week, which will run from the 18 to 25 October.

NALAG is a non-profit organisation which aims to encourage and promote professional and community education in loss and grief. Playback Theatre works without a prepared script, instead taking stories from the audience and re-creating them on stage.

For more information, please contact Marilyn Pedder on 216327.

**INTERNATIONAL FELLOWSHIPS FOR WOMEN**

The American Association of University Women (AAUW) Educational Foundation is offering International Fellowships for full-time graduate or postgraduate study or research in the United States to women of outstanding academic ability who are not citizens or permanent residents of the United States. Applicants must hold the equivalent of a U.S. bachelor’s degree before December 1, 1992.

Applicants are judged on their professional potential and on the importance of their projects to their country of origin. Preference will be given to women whose credentials prove prior commitment to the advancement of women and girls through civic, community, or professional work. Upon completion of studies, fellowship recipients must return to their home countries to pursue a professional career; preference will be given to applicants who can verify that they have a definite position awaiting them.

Six of these fellowships are AAUW-IFUW Fellowships available for women who are members of organisations affiliated with the International Federation of University Women. Recipients of AAUW-IFUW Fellowships may study in any country other than their own.

Further information and application forms are available from the Office for Research, Level 2, Chancellery, telephone 21 5305.

The closing date for applications to the Office for Research is 20 November 1992.
OFFICE FOR RESEARCH

Further information and relevant application forms are available from the Office for Research - telephone 215305.
A more comprehensive list is also circulated to all Heads of Departments on a fortnightly basis.

<table>
<thead>
<tr>
<th>GRANTING BODY</th>
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<tr>
<td>Rural Industries R &amp; D Corporation Preliminary Proposals for 1993/94 Funding</td>
<td>2 October 1992</td>
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<tr>
<td>Maxwell Ralph Jacobs Fund Nominations for 1993 Awards in forestry research</td>
<td>21 October 1992</td>
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<tr>
<td>Rebecca L Cooper Medical Research Foundation Grants for research in the fields of Arthritis, Diabetes, Schizophrenia, Lung Diseases (excluding Cancer) and the medical applications of Genetic Research</td>
<td>3 November 1992</td>
</tr>
<tr>
<td>Wool Research &amp; Development Corporation Research grants for projects addressing wool value enhancement, fibre and product specification, cost reduction, or environmental sustainability</td>
<td>17 November 1992</td>
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<tr>
<td>Japan Foundation Grant Programs</td>
<td>23 November 1992</td>
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<tr>
<td>Scientific Exchanges with China - 1993/94</td>
<td>24 November 1992</td>
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<tr>
<td>Australian Academy of Science. To support collaborative research between Australian and Chinese scientists.</td>
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<tr>
<td>Coopers &amp; Lybrand Accounting Education and Research Fund Research projects in an accounting-related area. Preference for projects that lead to a post-graduate degree and deal with current and topical problems</td>
<td>21 December 1992</td>
</tr>
<tr>
<td>Egg Industry R&amp;D Council New and continuing project applications for 1993/94</td>
<td>21 December 1992</td>
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</tbody>
</table>

FELLOWSHIPS, CONFERENCES & PRIZES

AMRAD Post-doctoral Awards To support Australian post-doctoral fellows returning to Australia to establish careers in the general field of biomedical research or related fields after a period overseas. Applicants must have more than 5 years post doctoral experience and be Australian citizens or permanent residents. | 6 October 1992 |
| Postdoctoral Fellowships in Japan Australian Academy of Science - Awards for scientists 1993/94. | 23 October 1992 |
| American Association of University Women Educational Foundation Fellowships For graduate students planning to enrol in an approved Masters by coursework program at an approved institution in 1993 | 20 November 1992 |
| Economic Development Institute of the World Bank Robert S McNamara Fellowships | 21 December 1992 |

SCHOLARSHIPS

Information on the following scholarships may be found posted on the Scholarships noticeboard in the concourse of the Hunter Building or is available from the Scholarships Office, Hunter Building (Tel. 216544). Closings Dates:

THE UNIVERSITY OF NEWCASTLE POSTGRADUATE SCHOLARSHIPS (UNRS) 1993
Open to Australian and overseas students undertaking a full-time Masters degree or Doctoral degree by research at the University of Newcastle. | 31 October 1992 |

AUSTRALIAN POSTGRADUATE RESEARCH AWARDS (APRA)
Scholarships available to Australian citizens and permanent residents undertaking a full-time (and in exceptional circumstances, part-time) Masters degree or Doctoral degree by research. | 31 October 1992 |

OVERSEAS POSTGRADUATE RESEARCH SCHOLARSHIPS (OPRS)
Open to overseas applicants from all countries commencing study in 1993. | 31 October 1992 |

AUSTRALIAN POSTGRADUATE COURSEWORK AWARDS (APCA)
Awards for Australian citizens planning to enrol in an approved Masters by coursework program at an approved institution in 1993 | 31 October 1992 |

WOOL RESEARCH AND DEVELOPMENT CORPORATION (WRDC) - AWARDS FOR POSTGRADUATE STUDY 1992-1993
Awards for research into On-Farm | 23 October 1992 |

THE GENERAL ACCIDENT AUSTRALIAN BICENTENNIAL ST ANDREW'S SCHOLARSHIP 1993/1994
An opportunity for second or third year students to study for one full academic year in the Faculty of Arts at the University of St Andrews, Scotland. | 30 October 1992 |

POSTGRADUATE SCHOLARSHIP 1993 - THE UNIVERSITY OF NEW ENGLAND, NORTHERN RIVERS, LISMORE
Australian Postgraduate Research Awards (APRA) and UNE-NR Postgraduate Research Scholarships (UNE-NR PRS) for full-time internal study towards Masters and PhD degrees. | 31 October 1992 |

AUSTRALIAN BICENTENNIAL SCHOLARSHIPS AND FELLOWSHIPS SCHEME - UNITED KINGDOM - 1993/94
A period of study in the United Kingdom for postgraduate students in any discipline. | 30 October 1992 |

LAPORTE CENTENARY SCHOLARSHIP 1993
An award for graduates in one of the sciences, working towards a higher degree in a science-based discipline. Tenable in the United Kingdom. | 30 October 1992 |

THE KOBE STEEL POSTGRADUATE SCHOLARSHIP AT OXFORD UNIVERSITY
An award for 2 years postgraduate study at St Catherine's College, Oxford. | 31 October 1992 |

THE YOKOYAMA SCHOLARSHIP FOUNDATION 1993 SCHOLARSHIP AWARDS
Undergraduate/Postgraduate awards for study in Japan in any discipline excepting Medicine, Veterinary Science and Dentistry. Preference given to applicants who are able to communicate in written and spoken Japanese. | 15 October 1992 |

POSTGRADUATE SCHOLARSHIPS 1993 - THE UNIVERSITY OF MELBOURNE
The following awards will be available in 1993: Australian Postgraduate Research Awards (APRA); University of Melbourne Postgraduate Scholarships (MUPS); and Australian Postgraduate Course Awards (APCA). | 30 October 1992 |
STUDENTS TO CONTEST WORLD YACHTING TITLES

Two Newcastle Engineering students have been chosen to represent Australia in what is hailed as the ultimate event in student yachting.

Brian Whitbourne, 24, a 2nd Year Electrical Engineering student, and Jason Clery, 21, a 2nd Year Civil Engineering student, have been included in the eight member squad set to contest La Course De L’Europe, to be held in Le Lavandou, France, from October 19 to November 4.

La Course De L’Europe, which is organised by the French military university, Ecole Polytechnique, is recognised as the World Universities Yachting Championship, and attracts top competitors from around the world each year. Teams from 22 countries competed in last year’s event.

Brian and Jason, who have been sailing together for about 11 years, will take to the Championship a wealth of sailing experience and achievements. Jason, a former Australian Schoolboys S05 Champion, was the winner of the S.80 class in the State Yachting Titles in 1989 and 1990 and, along with Brian, was selected to contest the Hong Kong/Sydney Inter-Port Series held in Hong Kong this year (which Australia won).

Brian and Jason were joint winners of the S.80 class in the State Yachting Titles in 1990. Brian placed second in the National Titles in 1991.

Jason and Brian say they have been training hard for the upcoming event, and have had the chance to sail with other members of the crew on Sydney Harbour. “By the time the event comes around, we will have had about a month’s training together,” Jason said. “We’ll get over there (France) about a week early, and familiarise ourselves with the water.”

Apart from the obvious prestige, Brian and Jason say an added incentive for winning La Course De L’Europe is the fact that the top three teams are flown to Paris, where they stay as guests of the Mayor for three days.

Obviously, there are a number of costs involved in sending a team to such an event. Brian and Jason were very happy to receive a boost to their fundraising efforts when they were each presented with a Sports Union grant of $500 by Sports Union President, Dr Bernard Curran.

“The Sports Union is delighted to be able to help Brian and Jason compete,” Dr Curran said. “We like to help students who have been chosen to compete in events on an individual basis, but we are always especially happy to support anyone who has been selected to represent the University at a national level. It is a great achievement.”

Asked how well they expect to do in the event, both Jason and Brian replied, “We’re going over there to win - what else would you go for?”

SOCOCER TEAM ENDS SEASON UNDEFEATED

The University of Newcastle women’s soccer team has ended the season as undefeated leaders of the “C” Grade division.

While such a result can only be achieved by all players maintaining a high standard of play throughout the season, one team member who managed to stand out was Gaye Lymbery. Gaye was presented with the award for Best and Fairest Player in “C” Grade for 1992 by the Macquarie and District Women’s Soccer Association.

Points for the award are given by opposition coaches at the end of each game on a 3-2-1 scoring system. “To come out on top at the end of the season is a great achievement,” a spokesperson for the team said. “Gaye was outstanding in every game, and thoroughly deserves the award.”