Conferences On Campus

The university is to be the venue for Chemica 79, the Seventh National Conference on Chemical Engineering.

The Institution of Engineers, Australia, and the Institution of Chemical Engineers and the Royal Australian Chemical Institute will jointly sponsor the conference from August 22 to 24.

The theme of the conference, Expanding Horizons in Chemical Engineering, will be developed by introducing some of the newer and more unusual aspects of chemical engineering through to developments and advances in the more conventional areas.

A preconference seminar on Teaching Computing in Chemical Engineering will take place on August 21. The seminar will provide a forum for discussion of existing and new techniques for teaching undergraduates and practising engineers.

An exhibition in the Union will provide manufacturers and suppliers with an opportunity to demonstrate equipment, services and products to delegates.

The technical programme will start with two invited addresses. Professor B. Atkinson, of the University of Manchester Institute of Science and Technology, will speak on The Shape of Things to Come, while Professor Fumitaka Yoshida will talk on The Application of Chemical Engineering in Medicine.

Social events will include the Conference Dinner at Edwards Hall and an informal dinner at Hungerford Hill Vineyard at Pokolbin.

Further information on Chemica 79 can be obtained from the Conference Organising Chairman, Dr. Geoff Rigby, BHP Central Research Laboratories. Telephone: 51 2444.

The seventh Australian Conference on Combinatorial Mathematics will be held at the University of Newcastle from August 20 to 24. Approximately 60 mathematicians will attend, representing universities throughout Australia, New Zealand, the United States and Canada.

Formal sessions will take place in Room V107 in the Mathematics Building.

Invited speakers will include Professors R.C. Mullin (University of Waterloo), D.E. Taylor (University of Sydney) S.A. Vanstone (University of Waterloo) and R.G. Stanton (University of Manitoba).

There will also be sessions for contributed papers.

The first annual general meeting of the Combinatorial Mathematics Society of Australasia will be held at the Conference.

The social programme will include a conference dinner in the Union on August 22 (cost approximately $10 per head) and wine-and-cheese parties.

University staff members and students who will present papers include Assoc. Professor W. Wallis, Dr. R. Eggleton, Professor R. Robinson, Mrs. S. Quinn, Mr. A. Hartman and Dr. T. Caelli.

Dr. D. Gregory, who is visiting the University from Queen's University, Canada, will also participate.

The committee which is organising the ACCM consists of Professor Robinson, Professor Wallis and Mr. G.W. Southern.

From Asia

The University was visited by Professor Takeshi Motooka, Director of the Centre for Australian Studies at Otemon-Gakuin University in Osaka, Japan, and Dr. Pierre-Yves Manguin, of the French Institute of the Far East in Jakarta in Indonesia.

Professor Motooka, who was a visitor on August 2, met staff members who are on the Board of Asian Studies and whose research is influenced by Japanese institutions and Economics. As his own field is Agricultural Economics, Professor Motooka was given inspections of a few farms close to Newcastle and was introduced to farmers.
Fertility Compound

The Department of Biological Sciences is responsible for a significant advance in human fertility research.

A compound, polyethylene glycol, has helped the Department to analyse human spermatozoa so that the cause of miscarriages and genetic defects can be identified.

Rats and mice eggs are also playing an important role in the research.

A protein preparation obtained in the Department may help infertile couples by assisting the sperm used in the artificial insemination process to survive.

Dr. Pat Quinn, Lecturer, and Mr. Jim Stanger, Tutor, have been able to induce human sperm to fertilize mouse and rat eggs. The sperm nucleus in the eggs is developing and, as a result, Dr. Quinn and Mr. Stanger expect to be able to analyse chromosomal abnormalities in human semen.

Research into the fertilizing capacity of spermatozoa has been going on for some time within the Department of Biological Sciences.

Explaining the results of his research, Dr. Quinn said: "It is virtually impossible to use human ova in routine tests of the fertilizing capacity of human sperm. Overseas a procedure has been developed whereby eggs from the hamster can be fertilized by human sperm.

"Since hamsters are not available in Australia, I have been looking at the ability of human sperm to penetrate mouse and rat eggs. Unfortunately, the sperm did not penetrate these eggs even though they had gone through all the preparatory changes necessary to penetrate human ova."

As shown, human sperm are not capable of penetrating mouse eggs in culture medium not containing polyethylene glycol but Dr. Quinn has been able to use this system to look at factors which are involved in maintaining the viability of sperm and eggs.

With Mr. Stanger he has found that one of the most important factors affecting the viability of human sperm is the protein component used in the culture medium.

"We have been able to purify a protein preparation which is far superior to any others currently in use. This protein preparation is currently being assessed by Dr. Alex Lopata and his colleagues in Melbourne in their program of in vitro fertilization of human ova."

Preliminary results were very encouraging, he said, and should greatly increase the reliability of this procedure.

"We also hope to be able to use our protein preparation in the media used for artificial insemination to increase the survival of the motile sperm from husbands with a low proportion of motile sperm", he added.

Letter

Letters

I would be pleased if I could use your columns to express a personal note of gratitude to all those who contributed to the outstanding success of Open Day - 1979.

The wide range of activities on display represented many hours of thoughtful preparation throughout the University and ensured that the public would, as promised, see the University "at work".

To all members of staff and students who spent the long (and somewhat damp) hours on duty on July 29, a very warm thank you.

Many people contributed significantly by their efforts "behind the scenes". Some I do not know but I hope that this letter is regarded by them as a token of my appreciation.

Without everybody's help the Open Day 1979 could not have been staged.

I trust that the next organising will find the same spirit of enthusiasm and unselfish effort coming from academics, technical and administrative staff and students.

KONRAD R.R. MOELLE

D.W. GEORGE, VICE-CHANCELLOR.

Fertility Compound

"However, I have subsequently been able to induce human sperm to penetrate mouse and rat eggs by incubating them in culture medium containing a compound polyethylene glycol, which allows the membranes of cells to fuse together.

"I anticipate that the human sperm nucleus will develop in the mouse and rat eggs to the stage where the human sperm chromosomes become visible just before the egg is about to divide.

"This will enable us to analyse the proportion of sperm containing chromosomal abnormalities in a human semen sample and their contribution to genetic defects during early pregnancy", Dr. Quinn stated.

Convocation

On July 25, Convocation held elections to fill four vacancies on its Standing Committee. The elections resulted in:

Narelle Patterson, Senior Mistress, Newcastle Grammar School, Mr. Richard Murphy, Newcastle solicitor, Margaret Lance, teacher at Newcastle Technical College, and Jessie Daunt, retired Newcastle College of Advanced Education lecturer, being elected for a term expiring in June, 1982.

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NO Secession

On July 19 students debated a motion moved by Messrs Michael Barr and Michael Zammit that Newcastle University Students' Association secede from Australian Union of Students.

Mr. M. Spaanenburg, President of US-A, stated that voting on the motion resulted in 140 members being in favour and 253 being against.

He commented: "A lot of campuses around Australia have seceded from the AUS - for various reasons - and we are one of the first not to follow them. We believe AUS can offer a national voice for students on such issues as the reinstatement of university fees and will be endeavouring to reform AUS".

Convocation
Staff Association

The Staff Association and Newcastle Division of the University Academic Staff Association considered a recommendation that the resolution carried at a previous meeting, viz

"That the Newcastle Division of UASA (NSW) endorses the presentation of the agreement on conditions of employment (excluding salaries) by UASA (NSW) to the University of Newcastle and that following satisfactory negotiations the agreement be registered with the Industrial Commission of N.S.W."

be rescinded.

Following discussions the meeting agreed to rescind the motion and to authorise the Executive to continue discussions with the Vice-Chancellor and his advisers for the purpose of reaching a non-registered written agreement between the University of Newcastle and the University Academic Staff Association on terms and conditions of employment (excluding salaries).

The following resolution was also carried:

That because of the reductions in funding for universities the Executive address a letter in the strongest terms the Executive can devise to the Vice-Chancellor and the Council calling for protests to be made against the reductions.

Overseas

Staff members, Professor Tanner, Dr. D.W. Dockrill and Assoc. Professor W.V. Doniela have agreed to deliver papers shortly at conferences overseas.

Professor Tanner and Dr. Dockrill will take part in the English International Conference on Patristic Studies to be held at the University of Oxford from September 3 to 8.

The topics for Professor Tanner's papers are: Chrysostom's Exegesis of Romans and Lactantius' Aims in the De Mortibus Persecutorum.

Dr. Dockrill's paper is entitled: The Fathers and the Theology of the Cambridge Platonists.

Assoc. Professor B.L.J. Gordon, of the Department of Economics, will attend. He is presently on study leave.

Professor Doniela will attend the Plenary Session of the Thirteenth Congress of the International Hegel Association in Belgrade in Yugoslavia in late August. He will read a paper entitled: Identity and Difference - Social Sources of Hegel's Logic.

Play By NIDA

London's colourful 18th century characters, including a highwayman, have come to life in the Drama Theatre on the campus in a National Institute of Dramatic Art production which ends on August 11.

Final year students of NIDA are presenting a rousing version of John Gay's The Beggar's Opera, in which the famous highwayman, McHeath escapes the gallows.

The play, which Gay referred to as a Ballad Opera, was written at the suggestion of Jonathan Swift as a satire of contemporary (early 18th century) British social conditions and the then fashionable Italian Opera.

Audiences for the NIDA production are responding to the parody with enthusiasm, as did the London audiences in 1728 when the original was presented. Gay used the language and music of the ordinary people. Much of the music (Over the Hills and Far Away, Greensleeves and Handel's and Purcell's music) is still popular.

Tickets for the production, costing $5 and $3 (students), are available at the Civic Theatre and the Union Shop.
Leaders

Our universities are not here to serve the community; rather they are designed to lead us. This is how the Dean of the Faculty of Arts, Professor Godfrey Tanner, described the role of universities in his address to the combined meeting of Convocation and the Australian Federation of University Women on July 25.

"Our graduates", he said, "ought to be trained to lead public thinking and encourage views that transcend the cultural blind spots of conventional thinking in this civilization. One certainly hopes that thought and experiment in universities will aid government and industry on moral and practical levels, but we are not set up to be an 'intellectual prostitute and wet nurse to industry'.

"It is not for this University simply to help maximise land speculation, development by mining alumina smelting in this valley: rather it is to look for cleaner, neater techniques, whilst pressing all appropriate ecological and moral issues".

Talking to an audience of more than 80 people, Professor Tanner mentioned that he found Professor Anderson's recent Canberra lecture on research in universities contentious in some aspects.

The principles Professor Anderson enunciated may well be very good ones for government and private research laboratories, and for some science-based faculties in universities, but for Arts they represent damaging and incomprehending nonsense.

"For us it is not absurd that eight lecturers in one literary discipline should be working on eight different projects", he said. "The analysis of thought and of cultural artefacts like poetry or music depends so much on the cultural preparation of the individual researcher. This preparation is intermittent and repetitive and often leads to lateral thinking responses. It is experiential rather than tabular and cannot be simply learned by a novice like the manual for a research appliance used in a laboratory.

Furthermore, much of the best discovery in literary fields and the most valuable reconceptualising in philosophy is done by experienced mature scholars, rather than by brilliant young post-doctoral fellows as in many sciences.

Professor Tanner recalled that the world of 1960 had looked to universities to solve all the problems of the age and spent its lavish millions on them in that hope.

"The expectation was of course naive and unrealistic", he said. "But the games played in virtually every university by power-hungry empire-building Deans and Professors have left a nasty taste behind'.

Professor Tanner told the meeting that governments, defence agencies and large companies were often tricked into financing projects which did little either for pure knowledge or the paymaster's actual needs, but did a great deal for the prestige, influence and career of the academic manipulators who cheated them.

Professor Tanner felt that another pitfall came from "political prostitutes" of journalism hired to arouse against universities the fear and envy of the average voter. The public was being trained to distrust the whole academic system as made of cheats, con men and sponging bludgers.

The guest speaker asked, "What must we do in the current crisis?"

"First, I believe we must lead Governments, not cringe to them, like guilty swindlers who have been caught out peculating. Secondly, a university which teaches with thoroughness and imagination, constitutes a warm outgoing and accepting social community and does first rate original work - immediately useful or not - has nothing to fear.

"The growing diversification of industry the effects of new technology and 'future shock' all set a premium on trained flexible minds, alertness, courage and public spirit as the qualities needed in our graduates", he said.

Further he believed that a right approach could elicit from businesses added funds to compensate for losses through falling enrolment and government stringency. But genuine openness there must be: no shrewd attempts to mislead and exploit industries prepared to help us simply for the private careerist purposes or profits of our academic entrepreneurs.

Work at Hospital

The film starts to roll. We learn that Michael is mentally retarded and so is Judy.

The narrator says that Michael, Aaron and Judy live at Stockton Hospital, just outside Newcastle, in an environment we'd probably hope our child might never experience.

The film, which runs for 26 minutes and is entitled Impossible to Turn Back, very successfully changes the viewer's attitude.

It tells not only Michael's, Aaron's and Judy's story but also that of the other residents of Stockton Hospital, and outlines the work of members of the staff who are educating and caring for the mentally retarded.

Impossible To Turn Back, produced by Dr. Adrian Ashman, of the Department of Education, and directed by Mr. B.G. Jordan, of the Higher Education Research and Services Unit, is an audio-visual educational film made with the assistance of Dr. Russell Balandin, Medical Superintendent of Stockton Hospital, and his staff.

Dr. Ashman made the film to assist students in the educational psychology course conducted by his Department. A copy will be supplied to Stockton Hospital.
2NUR-FM HIGHLIGHTS

MONDAY, AUGUST 13
9.30 am  RADIO FOR THE PRINT-HANDICAPPED
A half-hour programme of local newspaper and magazine excerpts of up-to-date news for the print-handicapped in Newcastle and the Hunter Valley.

10.30 am  SPECIALY FOR PARENTS
A programme prepared by the Special Education Unit of the NCAE dealing with new ideas in education.

TUESDAY, AUGUST 14
8.00 am  A HISTORY OF NEWCASTLE
Fred Gregory, member of the Newcastle Historical Society, presents a compilation of his research into the beginnings of Newcastle. #8 The Australian Agricultural Company.

WEDNESDAY, AUGUST 15
8.15 am  BOOKSHELF
A weekly book review programme. Tonight, Dr. Michael Orange of the English Department reviews MacDuffie.

THURSDAY, AUGUST 16
16.30 pm  RARELY HEARD
Features recordings of folk music in the rather unusual or exceptional category not often played over the air, presented by Pam Merrigan. Tonight: The Travelling People, Part 1. A Radio Ballad by Ewan MacColl, Peggy Seeger and Charles Parker. It is the story of the gypsies who roam England's countryside.

FRIDAY, AUGUST 17
9.15 pm  YOUR HEALTH
A weekly discussion on an issue of personal health. Caroline Cranfield and Peter Hill introduce Medicine faculty staff and other people in the medical field from the community.

SATURDAY, AUGUST 18
4 pm  THE ALL-HALF HOUR
A comedy programme. Today: Early Peter Sellars introduced by Vicki Lloyd.

SUNDAY, AUGUST 19
12.30 pm  ALICE IN WONDERLAND
By Lewis Carrol
A classic tale for children of all ages. Read by Jean and Norman Talbot and Sybil and Brian Smith. Episode 8.

JONAH

Jonah, the Department of Drama's next major production, will open on the campus on September 5.

Terry Clarke, first Director of the Hunter Valley Theatre Company, is to be the Director. The cast and stage crew will consist of students of the University.

The script of Jonah was adapted by John O'Donoghue from a novel by Louis Stone.

The play will be presented in the Drama Theatre Wednesday to Saturday nights for three weeks.

Service

Christ Church Cathedral is holding a number of services throughout the year to mark the completion of the extensions.

There will be a service on Sunday, August 12, at 6 pm for those involved in Education. The Preacher will be the Right Revd. G.F. Parker, Auxiliary Bishop of Newcastle.

Members of the University have been invited to be present for this occasion.
Open Day

Braving the inclement weather, more than 10,000 people, according to reliable estimates, saw the University at work on Open Day 1979, Sunday, July 29.

Staff and students donned white coats to portray an almost normal working day, with tutorials, experiments, laboratory classes and learning.

Unfortunately some people did not appreciate how much there is to see on the campus and failed to provide themselves with enough time to visit all the Departments, exhibitions, demonstrations and sporting events.

The Union opened to provide hot meals, snacks and tea. Such was the demand that meat pies were sold out at 1.30pm.

The entertainment included rock concerts, an environmental dancer and a street theatre group in the Union and a concert by a young jazz band in the Drama Theatre, to which the show was transferred from the outdoors because of the poor weather.

![Visitors to the Department of Chemistry met third year chemistry students Glenn Seraphin and Lyn Astbury working on an analyzer and Senior Technical Officer, Mr. Peter Fox, demonstrating his glass blowing techniques.]

RESEARCH TALKS

The Australian Vice-Chancellors' Committee and the Australian Industrial Research Group (an association of research managers from industry) are in regular contact concerning research projects.

According to the latest AVCC Report, matters discussed by the parties include:

- The proposed Commonwealth Industrial Fellowships Scheme.
- Australian Research Directory.
- Outside Studies Programme.
- ASTEC Report on Funding of Basic Research.
- Secondments.
- Relationships with Government Departments and ASTEC.

In addition, the AVCC has recently circulated to universities a list of industrial research projects available in Australian industry and the AIRG List of basic research relevant to Australian industry.

Following the Government's acceptance of the recommendations in the Report of the Independent Inquiry into the CSIRO, the Joint CSIRO/AVCC Committee which was recommended in the Report, has been established and formalized by an exchange of letters between the Chairmen of the CSIRO and the AVCC. The terms of reference for the Joint Committee are:

- to serve as a consultative and advisory body to the AVCC and the Executive of CSIRO on matters of mutual interest and concern to CSIRO and the universities;
- to provide a means of exchanging information between CSIRO and the universities;
- to identify major new interests and areas in which CSIRO and the universities might co-operate in research and development;
- to identify those fields in which scholarships and secondment opportunities tenable either in CSIRO or the universities might be offered;
- to be available for consultation with ASTEC and other bodies regarding matters affecting CSIRO and the universities.
**Sport**

University athletes performed well in recent distance races.

In the annual one-hour track race at Newcastle Athletics Field, University runner, Mike Beisty, recorded the longest distance. He ran an incredible 17,659 metres (or 10.9 miles) in 60 minutes.

Terry Heinz also ran well, completing 15,759 metres in the hour. This was the best performance by a Junior and placed him fifth overall.

Other University runners to perform well included Bob Buckley (14,900 metres), Dick Parberry (14,804 metres) and Alan Ross (13,119 metres).

University runners, Terry Wall, Mike Beisty, Terry Heinz and Paul Buckley, combined well to win the team's section of the annual Coastline Fun Run, held recently. This race stretches over a hilly 8.5 km course from No. 4 Leichhardt Wharf to Merewether Surf Club.

The better individual performances in this race included Mike Beisty's fifth and Terry Wall's eighth placings.

Newcastle and Central Coast Branch Cross Country Championships were held on the campus a few weeks ago. Mike Beisty did best of the University runners finishing second with a time of 41.54 for the tough 12 km event. (Best 38.57 - Brian Morgan.)

Trevor Scott, on the comeback trail again, was well placed early, but weakened noticeably in the concluding stages to be placed fifth in 44.21.

Other University runners competing in the Open section were Bob Buckley (48.41), Dick Parberry (49:53) and Col Whitehead (50:24). Nell Anderson came well to win the Junior 8 km event in 29:34 - well done Nell!

The following day a number of University runners competed in the inaugural Pub to Pub Fun Run at Port Stephens. This 10km event, from the Salamander Bay Hotel to the Sea Breeze Hotel, Nelson Bay drew a good class field despite the atrocious weather.

Terry Wall finished third overall but won the over 35 division first prize.

Trevor Scott battled on to finish fifth whilst Terry Heinz also ran well.

Mike Beisty's Mother, Sue, has been racing with good success lately. Her fifth placing in the inaugural Avon All-Women's Marathon over 42.195 km was a notable achievement. In fact, women's running has become increasingly popular recently and the weekly Newcastle Cross Country Club events feature a large proportion of women (and children!). Any women, or girls, who would like to go "on the run" and participate in these events or join the University Athletics Club, could obtain further details from Dick Parberry at Mechanical Engineering.

**COMING EVENTS:**

**August 11**
King of the Mountain (24 km) at Cessnock.

**August 12**
City to Surf Fun Run (14 km) at Sydney.

**August 19**
NSW Road Relay Championships (4x10 km) at Taren Point.

**August 19**
Gosford to Terrigal Fun Run (11 km).

**August 25**
Handicap, Cross Country Race to Blackbutt Reserve, Newcastle (10 km), B.B.Q. afterwards.

**August 25**
Coonabarabran Fun Run (10 km).

**September 1**
Mainland to Newcastle Road Relay (4x approx. 8 km).

**September 9**
Maitland to Newcastle Road Relay (15 km) from Newcastle Athletic Field.

**September 9**
Kurri Kurri Fun Run (10 km).

Some 40 players attended University Cricket Club's annual general meeting on July 23 and participated in elections for the Executive for 1979-80.

The elections resulted: PRESIDENT - Paul Neilson; SECRETARY, David Bell; TREASURER, Peter Senior; ASSIST. SECRETARY, David Williams.

SOCIAL COMMITTEE: Ashley Stevenson, John Parsons, Brett Hawke, Alan Northey and David Lacey.

DELEGATE TO SPORTS UNION, David Barker.

Practice commenced at Jesmond High School Nets on July 29. The Club is expected to transfer to University practice wickets on September 1 at 9.30 am.

Persons wishing to join us are welcome (male or female!)

Please contact the President, Paul Neilson 57 4022 (Home) or the Secretary, David Bell, 51 2370 (Home) 51 2444 (Work).

Results of the University Squash Championships played on the campus on Open Day (winner appears first, runner-up second).

MENS:

NOVICE - Gary Jones, Zahn Arafirin.

PLATE - Bryce Lindsay, Paul Tranter.

G & H GRADE - Vincent De Stefano, Gary Jones.

PLATE - Alan Archer, Norm Madden.

E & F GRADE - Peter Tan, Robert Patrick.

PLATE - Ross Bailey, Kevin Dunne.

C & D GRADE - Russell Craig, Graham Willetts.

PLATE - Frank Bullen, Peter Tan.

B GRADE - Greg Worling, Kim Colyvas.

PLATE - Col Robards, Frank Bullen.

OPEN CHAMPIONSHIPS - Terry McLennan, Kevin Donnelly.

PLATE - Ross Manning, Greg Worling.

VETERANS - Kevin Donnelly, Brian Heaton.

LADIES:

NOVICE & D GRADE - Claire Donnelly, Jane-Anne Lee.

PLATE - Frances Maltby, Gail Turner.

C GRADE - Trish Stanton, Marg. Secomb.

PLATE - Margaret Archer, Pam Dearn-Jones.

B GRADE - Kathy Talbot, Robyn Cross.

PLATE - Sponnaker Weddell, Frances Gamble.

OPEN - Glenda Williams, Kay Stone.

PLATE - Kathy Talbot, Joan Weston.

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**BODIES WANTED**

- **ANY SHAPE, SIZE, SEX, VINTAGE, COLOUR, STATE OF REPAIR, ETC., GRATEFULLY ACCEPTED.**

- **YOU SUPPLY THE BODY AND THE SAND SHOES, WE'LL SUPPLY THE REST.**

- **FOR FURTHER DETAILS, PLEASE TELEPHONE COLLEEN GURAY.**

  **WORK:** 69 4200

  **HOME:** 23 125

- **GUARANTEED RETURN TO OWNER IN IMPROVED CONDITION (PROBABLY).**
Poetry Collection

Mirro Publications has announced plans to publish next year an anthology of poetry celebrating Hunter Valley.

Tutor in English, Dr. Ross Bennett, who will edit the anthology, envisages a collection of poetry in which the emphasis would be strongly and distinctively regional and which would focus and develop a sense of the Hunter Valley itself as seen through the eyes of its poets.

He says he is especially interested in poems which firmly evoke a sense of place, or have a strongly local character.

"While the actual design is still in the developmental stages," he says "it is hoped that the anthology will include substantial selections of poems by some eight to ten of the Valley's better-known poets, together with a further section comprising one or two poems from other writers, including our younger poets."

It is not the intention to produce a textbook, but this kind of anthology should be greatly appreciated by the secondary schools of the area.

Dr. Bennett says the anthology will be most attractively designed and presented and will include maps, photographs, and line-drawings by professional artists.

Those who feel they have poems which would be appropriate for inclusion in the anthology are invited to submit them as soon as possible to: Hunter Valley Anthology, C/- the English Department.

Parking Permits

The Secretary holds two 'floater' permits for parking in the main grounds of the University of Sydney.

A permit may be borrowed by any member of the staff of this University who has good reason for parking in the main grounds of the University of Sydney.

Any member of staff wishing to avail himself of one of these permits should contact Mrs. Durham, (Extension 240), to arrange to collect the permit and should return it to her on arrival back at this University.

The permits relate to the main grounds of the University of Sydney. That University is currently allowing people with valid permits from other universities to park in the Darlington section of the campus.

PRIVACY

The Staff Association approached the Vice-Chancellor earlier this year and argued a case for the establishment of a University Standing Committee on Privacy.

The Staff Association has now heard from the Vice-Chancellor concerning the matter. His letter reads in part:

"The conference seems to be that we should direct any potential issues in the area to your Staff Association's standing Sub-Committee should they affect academic staff, rather than set up a more general privacy committee to oversee the University as a whole."

Members of the Sub-Committee are:

- David Dockrill - Philosophy
- John Leong - Philosophy
- Ray Watterson - Legal Studies

Members should contact any of the above or any member of the Executive if they need advice or assistance regarding privacy.

Hydrology

The Royal Meteorological Society, Australian Branch, and the Department of Geology are jointly offering a one-day Hydrology Symposium. The Water Balance and Some Implications for Water Resources in the Hunter River Basin on August 17. The Symposium will be conducted in the Geography Building on the campus between 9.15 am and 5.30 pm.

Included in the programme will be the conferring of an honorary degree on Professor David Miller, of the University of Wisconsin - Milwaukee and the keynote address by Professor Miller on losses of the water resource resulting from intensifications in energy conversion.

Dr. S. Riley of the Department of Earth Sciences, University of Sydney; Dr. E. O'Loughlin, of the CSIRO, Division of Forestry, Canberra; Dr. D. Smiles of the CSIRO, Division of Environmental Mechanics, Canberra; Mr. J. Blaney of the M.S.W. Water Resources Commission; Mr. R. Corish of the School of Geography, University of New South Wales and Mr. P. Corish of the M.S.W. Forestry Commission will also deliver papers.

Research needs, problems and methods to solve problems will be discussed in workshop sessions in the afternoon.

Coal Talks

The Department of Chemical Engineering will offer a four-day symposium at the University to re-establish the firing of pulverised coal.

Dr. T. Wall, Senior Lecturer, and Emeritus Professor J. Mc Stewart, Honorary Professor, have arranged a programme which will provide for a comprehensive review of the nature and occurrence of mineral matter in coal, its behaviour in the flame and the boiler, its collection, the significance of various methods of analysis, the value of various types of test furnace and of full scale trials, and the information needed for specification of a satisfactory boiler design (or fuel supply for existing furnaces).

They stated that widespread interest has been expressed in the symposium by overseas researchers and Industry. Contributors to the course include:

- Dr. Ing. K. Hein - R.W.E. West Germany.
- Mr. P. Jackson - Central Electricity Generating Board, United Kingdom.
- Mr. R. Jervis - Combustion Engineering Inc., U.S.A.
- Mr. J. Barsin - Babcock & Wilcox, U.S.A.
- Mr. D. Anson - Babcock & Wilcox, U.S.A.
- Mr. S. Sturt - Babcock & Wilcox, U.S.A.
- Mr. D. Spofforth - Babcock & Wilcox, U.S.A.

The dates of the conference are August 23 to 27.

Christians

It was decided on July 13 to re-establish the branch of the Student Christian Movement which existed on the campus for many years until about 1976.

The branch is affiliated with the Australian Students Christian Movement, which has headquarters in Melbourne, and with the World Students Christian Federation, which has headquarters in Geneva.

The SCM is believed to operate on campuses in more than 90 countries. At the moment it has well over 1 million members.

The branch will sponsor a Eucharist in the Chaplaincy Room (in the basement of the Union) on Tuesday, September 4, to be celebrated by the Anglican Chaplain, Canon Victor Pitcher, at 8.30 am. This will be followed by breakfast in the Common Room.

On September 11 there will be a Meet the Chaplains night, in the Godfrey Tanner Room at 8.30 pm and on September 18 at 8.30 pm there will be a MEET MIKE NELSON night in the Michael Nelson Room (where else?) - of the Union. All staff and students are welcome to attend.
Scholarships

The following scholarships are available. More detailed information is available from Wayne Rigney, Student Administration. Extension 303.

NORTHEAST LOUISIANA UNIVERSITY offers competitive graduate assistantships for 1980 in the fields of pure and applied science, business administration and construction. The value of the assistance is up to $1,500 (U.S.) per semester.

AUSTRALIA-JAPAN CO-OPERATION SCHOLARSHIPS and the SAIONJI FELLOWSHIP. The Australian National University is calling for applicants for these scholarships from persons proposing to specialise in a course of Japanese studies in Japan. Preference will be given to applicants with a command of the Japanese language. More information is available from the Student Administration Office (Wayne Rigney, extension 303). Candidates must be Australian citizens or furnish proof of an application for citizenship at the time of application.

The awards are competitive and are tenable at institutions of learning in all commonwealth countries. The awards are for study or research, normally for a period of two years and towards the award of a University degree or similar qualification.

The emoluments are for expenses of travel, living and study costs. Application forms and information on this scheme is presently available from the Student Administration Office (Wayne Rigney, extension 303). Candidates must be Australian citizens or furnish proof of an application for citizenship at the time of application.

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NORTH EAST LOUISIANA UNIVERSITY offers competitive graduate assistantships for 1980 in the fields of pure and applied science, business administration and construction. The value of the assistance is up to $1,500 (U.S.) per semester.

AUSTRALIA-JAPAN CO-OPERATION SCHOLARSHIPS and the SAIONJI FELLOWSHIP. The Australian National University is calling for applicants for these scholarships from persons proposing to specialise in a course of Japanese studies in Japan. Preference will be given to applicants with a command of the Japanese language. More information is available from the Student Administration Office (Wayne Rigney, extension 303). Candidates must be Australian citizens or furnish proof of an application for citizenship at the time of application.

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THE COMMONWEALTH SCHOLARSHIP FELLOWSHIP PLAN 1980

Application forms and information on this scheme is presently available from the Student Administration Office (Wayne Rigney, extension 303). Candidates must be Australian citizens or furnish proof of an application for citizenship at the time of application.

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Back from York

Professor J.A. Keats, Professor of Psychology, University of Newcastle, has recently returned from York in England from July 16 to 20.

Approximately 60 of the scholars contributed papers, the Australian contributors being: Professor J. Biggs (University of Newcastle), Dr. S. Schwartz (University of Western Australia) and himself. Dr. A. Rivins, of the Department of Psychology, also attended. The proceedings of the Conference will be published early in 1980.

On the whole, Professor Keats reported, the range and quality of presentations were of a high standard. He returned with a number of ideas which will contribute to research in this Department. Many contacts were made and arrangements were made for the exchange of material with a number of centres. He explored the possibility of obtaining research support from the NATO Science Programme, but this cannot be done from Australia.

The campus at York is one of the most pleasant he has visited, with its ornamental lake and buildings which blend well into the landscape. It is over 800 years old and earns considerable income from conferences and tourism during vacations. There seemed to be no problem in attracting students from all parts of the country.
French Course

Pupils from a number of secondary schools have participated in a "Special Skills Course" in French under the title "Talks and Tests." The Diploma of Education students in language method, and some year one and two students of French, acted as tutors for the school-children.

The course was organised by Dr. Vera de Rudynszky O'Byrne, with the help of Dr. R. Chaney from the French Department. They have expressed their thanks to Language Teachers at the school whose enthusiastic support had a great deal to do with the large number of enrolments.

This was really a "pilot" course in a number of ways. It was successful in some ways and showed up problems in language learning and teaching in others.

Pupils from years 10, 11 and 12 were eligible. Surprisingly large numbers enrolled, but there was a high drop-out rate, especially in the lower year groups. This may have been partly due to the course taking part at a time when many other things were happening in schools, including some examinations; partly to transport difficulties and partly to the fact that it meant 1 and 3/4 hours' hard slogging after a full school day, with homework in other subjects to be faced after that. The organisers are trying to pinpoint other reasons which may have contributed, by means of questionnaires.

However, a questionnaire administered to those who stayed the course shows that most of them found it useful and enjoyable. Under "general remarks" they say some of the following things:

- "I think the conversation and questions and answers were very good and were helpful in improving my listening and comprehending in French, but I can not say I feel more confident in my ability to speak because it is only a short time and fluency in a language only comes with a great deal of practice".

- "From the impression our teacher gave us this course was supposed to make us almost fluent at French, although I did not do that much as they say "practice makes perfect". The extra practising helped in especially conversations and increased my knowledge on some history points".

- "From my teacher's impression this course has been of use to me. What about a German course similar to this?"

- "I feel that the course has helped in oral French tremendously".

- "The conversation was good because it is something we never do at school. The cassette was a good idea our school does not offer such opportunities. I feel that more free style conversation would also be useful".

- "Very good, but if there was another context it be later because I know that I and some friends had trouble getting there on time".

- "Very interesting and fun, especially the cassette and songs. Group work was extremely interesting. The pronunciation was very helpful. Notes on grammar will be extremely helpful".

- "I enjoyed the course and it helped me in my French a lot, especially the pronunciation".

- "I would really like to have this course again as it increases my confidence in French. At school it is more formal and impersonal whereas this course is more helpful. Also it would be better if it was at a later time such as 4.30 pm or 5 pm. Otherwise it is very enjoyable as you also get to know other people from other schools. Also the tutors were helpful".

It is intended to repeat the course eventually, but perhaps to organise it differently in the light of experience.

The course was run under the aegis of the Department of Community Programmes who attended to all the administrative and organisational details.

Mr. Ken Scott, Technical Officer, in the Faculty of Education, expertly copied the tapes which the school-children found most helpful.

University News has been asked by several readers when this year's University Dinner will be held. For these people, and anybody else who has been wondering, the Dinner is to be held in Edwards Hall on December 14.

**FEW POSTS**

A warning that the employment prospects in universities for outstanding new graduates in the foreseeable future could be "very poor," is contained in an analysis of university staffing in a static situation recently published by the Australian Vice-Chancellors' Committee.

The report was prepared by Dr. David Myers, former Vice-Chancellor of La Trobe University.

The AVCC requested Dr. Myers to examine the implications on a variety of staffing issues of the transition of Australian universities from a period of rapid growth to their present steady-state condition.

In his analysis of the effect of zero growth on university staffing, Dr. Myers pointed out that the reduction in turnover of staff due to a drop in job opportunities would have a substantial effect on recruitment.

He estimated that if turnover by half, the rate of movement to the lecturing staff to the mention of recruitment to the lecturing staff would fall by 70 percent.

"It is clear that the rate of turnover will have a dominant bearing on the career prospects of lecturing staff and of those hoping to embark on an academic career," he said.

In his paper, Dr. Myers also examined the effect of no-growth on the increasing top-heaviness of staff positions and the way this would affect salaries and the age structure of university teachers.

He discussed a series of options open to universities including the early retirement of staff, part-time employment, more use of limited, fixed-term appointments and the interchange of staff.

Dr. Myers' report was published by the Australian Vice-Chancellors' Committee as the first in a series of Occasional Papers. The Committee is now in the process of preparing a second paper. The Committee is now in the process of preparing a second paper.

OCTUBERFEST

Unfortunately Oktoberfest has had to be cancelled this year. The Board has decided that all functions held there must cease no later than 12 midnight, which specifically means that all guests must have left the premises by 12 midnight. Should the conditions not be strictly adhered to, an additional charge of $500 would be required. The organisations of Oktoberfest are unwilling to put on the function under these conditions.

G.C. CURTHOYS
Silver Jubilee

The Geography Department was launched in 1940, and the first year classes were organized and instructed by Mr. George Whalan, then a teacher at Newcastle Boys' High School. The first full-time position was filled by A.O. Hodge in 1955; he was followed by M.G.A. Wilson (now Professor of Geography at Wollongong) in 1955, K.W. Robinson in 1956 and W.F. Geyl in 1957.

In the early years, students, although technically members of the University of New South Wales, were required to be examined through the University of New England, as at that time there was no Arts faculty and no department of Geography at Newcastle. This requirement meant that there was considerable interchange of ideas between Newcastle and Armidale, to which regular visits were made by staff members. Although such visits taught their problems, they were, on balance, most rewarding.

Subsequent developments in the University as a whole saw the Department increase its teaching and research strength and expand its support staff to a maximum of 100 for all staff of 25 in 1976. This period of steady growth reflected a progressive increase in student numbers to a maximum of 500 places in 1975. The first Ph.D. from the Department was awarded in 1963 and all told 19 higher degrees have been conferred, and 16 more are in progress.

The record shows that about 700 students have majored in Geography so far, including higher degree candidates.

To commemorate its 25 years of endeavour, the Department has programmed four special events:

- The award of the Honorary Degree of Doctor of Letters to Professor David H. Miller, a specialist in atmospheric science and hydrology from the University of Wisconsin, Milwaukee, who is currently a Visiting Professor in the Department for the third time. The degree will be conferred in the Arts/Drama Theatre on Friday, August 17, at 9.15 am.
- A one-day hydrology symposium on The Water Balance and Some Implications for Water Resources in the Hunter River Basin, organized jointly with the Australian Branch of the Royal Meteorological Society.
- A jubilee dinner on Friday, September 7, in Edwards Hall at 7 pm. Invitations have been sent to graduates who have majored in Geography, together with current students, staff, ex-staff and friends. The guest speaker is Mr. Errol Hodge, a graduate of the late 1950s who has distinguished himself as a commentator for the ABC and is currently responsible for Radio Australia.

Persons wishing to attend should advise the Secretary of the Department (Extension 654) by August 24.

- The launching of a volume of original essays, contributed by members of the Department and entitled Newcastle Studies in Geography, in the first week of Third Term (September 3 to 7). During this week former students and friends are especially welcome to revisit the Department, where a special display will be mounted in the foyer.

P.S.A.

At a general meeting of the University Sub-Division on July 25 eighty members debated the University's request that they agree to the abolition of cash pays in favour of payment by cheque.

The University's argument in favour of the abolition of cash pays was that payment by cheque would overcome the problem of security in the Cashier's Department.

It was reported that the Commonwealth Bank has agreed to such University salary cheques on these conditions:

- Payees of cheques conduct accounts (savings or cheque) at the Bank’s branch on the campus.
- Payees of salary cheques presented for encashment are to produce the Bank passbook (in the case of Savings account depositors). Every chequed is to be endorsed with the relative account number and signed in front of the teller.

The PSA members were told that in the Bank's view the most efficient way of handling the distribution of cheques would be for staff members of the Bursar's Division to distribute pay cheques on pay Thursday from a central location in close proximity to the Bank (e.g. the Drama Theatre area).

It was stated that the Action Committee held discussions with the University and had been unhappy with the requirement that before a cheque be cashed the payee had to have an account with the Commonwealth Bank.

The meeting was advised that the Award provided: “Wages and salaries shall be paid in cash or cheque or deposited in a bank account on the request of the member of staff”. To abolish cash pays the University would have to apply to the Registrar of the N.S.W. Industrial Commission under S92A of the Industrial Arbitration Act (N.S.W.) 1940. In addition, it was stated, required the Registrar to take note of union objections before deciding to grant a certificate abolishing payment by cash.

The meeting was also pointed out that the fact that payment by cash had been abolished in most other N.S.W. universities could be taken as strong precedent for the Registrar. However, a case could be made for payment of salaries by cheque.

The members present were asked to comment on the University's request and in general, members were opposed to the abolition of cash pays. The option of receiving payment in cash was seen as a condition of employment which should not be surrendered. Payment by cheque would disadvantage those who did not wish to open a bank account with the Commonwealth Bank.

Appointment

Mrs. Marta M. Wilson, Adult Library Assistant, University Library.

Resignations

Mrs. Joy E. O'Neill, Receptionist/Typist, University Health Service.

Mrs. Susan E. Smith, Stenographer, Vice-Principal's Unit.
Advertisements

POSITIONS WANTED - TYPING

Mrs. Marion Mason would like to type theses, reports, occasional papers etc. Please telephone 43 0845.

Shannon Kennedy, Pacific Highway, Raymond Terrace would like to type theses, reports, occasional papers etc. Rates: $2.25 per page. Please telephone 89 7374 (home) or 61 0431 (office).

Kathy Ams, 282 Darby Street, Cooks Hill would like to type theses, reports, occasional papers etc.

WANTED FOR RENT

SMALL HOUSE or ONE-BEDROOM FLAT, with garage, in approximately one to two months time. Prefer reasonable distance from University. Please telephone G. Burman, extension 260.

PARTNERS SOUGHT

Two partners in a bee-farm near Dunung are interested in one, or two more partners. Interested persons write to Bee Farm, 178 Hereford Street, GLEBE, 2037.

FOR SALE:

1 FOUR-DOOR REFRIGERATOR from behind the bar of the Staff House. Inspections by arrangement with bar steward. Offers to the Hon. Treasurer. Peter Bay, in writing by noon on August 15.

SAFE-N-ROUND CAR SEAT (4 Ki. Black) in good, clean condition. Please telephone 69 3627.

HOME - New Lambton, Cardiff Heights area. Ocean, Lake and Mountain views, level block, no steps, on bus route, three Bedrooms, main (16' x 12'), all built-ins), Lounge (18' x 14'), Dining, Kitchen, Fully tiled Bathroom, fly screened patio (19' x 10'). Recently carpeted and wallpapered throughout, carpors and workshop, $39,000. Please telephone 74 7169.

ARCHITECT DESIGNED STAINED TIMBER HOUSE, low pitched metal roof, attractive setting, bushland view to rear, 500' x 150' Black oposite primary school, 10 minutes from lake and shops at Warners Bay. 144sq. large living room, two bedrooms, study/bedroom, kitchen, laundry/drying room, bathroom. Carport and workshop under. $42,000. Please telephone extension 367 or after hours 48 8629.

30 GALLON FISH TANK, three feet long, second fish tank, two feet long; both with Gloxyn lights, stands, filters, pumps and a number of tropical fish to the lot. Please telephone extension 664.

WILLIAMS RIVER HOLIDAYS

Large and comfortable farm cottage, overlooking the Williams river at Clarence Town: electricity, hot water. Now available for holiday lettings. This location offers a quiet rural environment for a restful holiday, yet within an hour's drive to beaches, forests, vineyards and cities. Making possible both rural tranquility and the tourist assets of the Hunter and Williams Valleys. "Williams River Holidays", C/- P.O. Clarence Town. 2321.

Meeting of the Australian Institute of International Affairs, Newcastle Group, guest speaker Mr. Alexander De Conde, of the University of California, Santa Barbara, one of the more distinguished diplomatic historians in the United States. Subject: President Carter and his Achievements in World Affairs. Room 404, Geography Building.

Diary of Events

DIARY

MONDAY, AUGUST 6 - Residential Psychodrama Workshop, directed by Tim Wilson, of the Psychodrama Institute of Western Australia, Shadforth Conference Centre, organised by the Department of Community Programmes.

TUESDAY, AUGUST 7

SATURDAY, AUGUST 11 Second Term ends. Third Term commences, MONDAY, SEPTEMBER 3.

MONDAY, AUGUST 13 - Short course on Microcomputing Engineering, organised by the Department of Chemical Engineering.

TUESDAY, AUGUST 14

WEDNESDAY, AUGUST 15

ATTENTION ENGLISH II STUDENTS - Student Production of Ray Lawler's Summer of the 17th Doll (included in the Australian Literature Course) by West Neill Send High Year 11 and 12. Enquiries: 53 2819.

FRIDAY, AUGUST 17

THURSDAY, AUGUST 23

MONDAY, AUGUST 27

FRIDAY, AUGUST 31

SATURDAY, AUGUST 25

WEDNESDAY, AUGUST 29

THURSDAY, AUGUST 30

FRIDAY, SEPTEMBER 7

9 pm for 7.30 pm

9.45 pm - 4.30 pm

9 pm - 3.30 pm

8 pm - 3.30 pm

7 pm - 3.30 pm

8 pm

8 pm

8 pm

7 pm

9 pm

8 pm

8 pm

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A seminar on Alternatives to Drug Therapy in the Treatment of Stress-Related Conditions, organised by the Department of Community Programmes and the Faculty of Medicine, Geography Lecture Theatre.

Residential School for Young Musicians in Instrumental and Orchestral Music, under the direction of Ulric Burstein, C.B. Alexander College, Tocal, organised by the Department of Community Programmes.

Geography Department's Jubilee Dinner, 525 George Street. Guest speaker, Mr. Imro Hodges, Assistant Director, Overseas Services, News and Public Affairs, A.B.C. or. Alexander College, Tocal, organised by the Department of Community Programmes.

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