NEW UNDERGRADUATE INTAKE

The Vice-Chancellor announced that the target figure for new first year undergraduate students for 1974 was 200 more than for this year.

The University Council fixed the intake of new first year students at 1,350. Next year there will be no lowering of the University's entrance standards and no distinction in admission between full-time and part-time students.

The target figure exceeds the actual new first year enrolment for 1973 by more than 300.

Professor Auchmuty said the new first year places would not be apportioned in accordance with figures for the Faculties. Instead, an overall figure for the university would be applied. No quotas would be applied to overseas students.

The University had endeavoured to adopt admission policies for 1974 which would take into account the effects caused by the abolition of tuition fees while maintaining the university's entrance standards.

NATIONAL UNION CATALOGUE ON MICROFILM

Mr. Colin Freeman, Principal Librarian (Special Projects), National Library of Australia, who has the responsibility for devising ways in which the National Library can develop its information services for libraries throughout the country, recently spent two days in the University Library on a work situation test of the projected microfilm version of the National Union Catalogue.

The National Union Catalogue of Monographs now exists in the National Library as a card catalogue containing location information for the 6,500,000 books held in the two hundred major libraries of Australia. The catalogue was started in the late 1950's to satisfy the need that libraries throughout the country have for a comprehensive book location mechanism. The contributing libraries constantly send catalogue card records of new acquisitions to the National Library, which has the responsibility of keeping the catalogue up to date and supplying information from it.

The existing system works like this: When members of the University Library's staff are asked by a reader for a book not held in the University Library, a Telex message is sent to the National Library. The University's Library is then informed of the location and proceeds to request the book from the Library holding it.

Because of the physical growth of the card National Union Catalogue in recent years this system has now become cumbersome.

The University Librarian (Mr. Flowers) said Mr. Freeman has tested the microfilm copy of the Catalogue for the letter E in selected university libraries in N.S.W. and Victoria. If the results of these tests are favourable, and it appears that they will be, microfilm copies of the whole catalogue, A - Z, will be produced and made available to all libraries that are major Inter-Library Loan centres, these including the libraries of all the universities.

Mr. Flowers said it is hoped that the National Library will be able to supply the Catalogue, consisting of about 150 reels of microfilm, in about six months' time. It is confidently expected that the provision of the microfilm version of the National Union Catalogue of Monographs will improve considerably, by the removal of the irritating time delay for finding locations, the Inter-Library Loan service in libraries throughout Australia.

NEWS FROM THE COUNCIL

The Great Hall of the University will be officially opened by Sir Roden Cutler, Governor of New South Wales and Visitor to the University.
The ceremony will be held on Wednesday, 28th November, and will be marked by the conferring of honorary degrees on two men who have made significant contributions to the university. The degrees of Doctor of Science are to be conferred upon Mr. Bede Callaghan, C.B.E., Deputy Chancellor of the University, and Ald. F.J. Purdue, Chairman of the Lord Mayor's Newcastle University Committee, which conducted the appeal for funds for the construction of the Great Hall. It had been intended to confer the honorary degree on Mr. Callaghan at the opening of the Social Sciences Building, but he was unable to attend.

The programme for the opening of the Great Hall will include performances by the Chromattica Septet, a group of young Australian musicians led by Mark Underwood.

The Council has decided that members of all committees concerned with traffic control, security and road safety at the University shall be invited to a meeting on Friday, 28th September.

The meeting will discuss, as a matter of urgency, reports and views on the control booths which have been erected on the two roads giving access to the university and problems of traffic movement, road safety, parking, security and vandalism on the site.

The Council has referred to the Buildings and Grounds Committee and the Board of Trustees of Edwards Hall for consideration and report recommendations on the development of Edwards Hall and the provision of non-collegiate housing prepared by the Student Housing Committee.

Following consideration by the Buildings and Grounds Committee of a proposal that rose gardens be planted on the median strip at the main entrance to the university, the Council decided not to go ahead with the proposal.

It was agreed that, instead, the median strip will remain as lawn, with some relief being afforded by means of undulations and mounding and trees and shrubs located at the gates and the head of the drive.

The Council was informed that a film director and four associates from the A.B.C.'s T.V. Features Department had taken film at the university thus winding up filming of an edition of Survey to be televised soon.

The bulk of the film for the programme was shot at the seminar which Convocation staged last May and which, with Creativity as the theme, was attended by Professor Jerzy Toeplitz, Mr. Peter Sculthorpe, Mr. John Olsen, Mr. Brian Adams and other distinguished people involved in the Performing Arts.

The Board of Trustees of Edwards Hall has approved the expenditure of nearly $20,000 from the Hall's Recurrent Funds to construct recreational areas underneath the western wings of Blocks B and C. The Board took this step because there are no recreational areas at Edwards Hall and it is considered unlikely that any recreational areas can be provided using Australian Universities Commission funds before late 1976 at the earliest.

The Buildings and Grounds Committee had received and noted an interim report from the Transport Services Sub-Committee.

The Council was told that the sub-committee had prepared a submission on transport services to and from the university. The submission was based upon a plan of existing bus routes, projections of student numbers and information about times being taken on bus journeys. One suggestion made in the submission was that a bus service be introduced on the perimeter of Newcastle, perhaps starting at Charlestown and terminating at the university.

The Council authorised the forwarding of the submission to the State Government's Transport Commission Task Force, which is examining changes in the public transport system operating in Newcastle.

The Council considered a report from the Buildings and Grounds Committee concerning a request by the Union for the reservation of 12 places in the Union car park for use by Union staff. The request had been supported by the Newcastle University Students' Association.
The Council resolved that: In any future planning of extensions to the Union building, an enclosed courtyard service area should be provided in which staff car parking would be included, and in the meantime, 12 places be set aside for Union staff parking in the Union car park, signposted as a Union staff area and with each reserved place marked "Union Staff Only".

Council decided that the following people be admitted to higher degrees at the next Graduation Ceremony:

**DOCTOR OF PHILOSOPHY**, Kenneth John Moss (Department of Mechanical Engineering), whose thesis was *The Optimum Design of Rock Bolted Structures*;
Donald Nicholson Parkes (Department of Geography), whose thesis was *Elements of Space and Time for an Australian Industrial City: An Urban Social Geography*.

**MASTER OF ARTS**, Clifford Alan Cranfield (Department of History), whose thesis was *A History of the Fiji Times, 1869-1875*.

**MASTER OF EDUCATION**, William Patrick Galvin, whose report was *A Comparative Assessment of a Change in School Mathematics Courses in Terms of its Effect on Teachers' College Entrants*; Julie Solomon, whose report was *An Analysis of the Cognitive Skills Involved in Pre-Logical Thinking, and Implications for the Development of Early Childhood Education Curricula*.

**MASTER OF ENGINEERING**, Robin John Evans (Department of Electrical Engineering), whose thesis was *On the Design of Optimal Sidelobe Reduction Filters*; Richard Mark Hawkes (Department of Electrical Engineering), whose thesis was *Demodulation of Pulse Modulated Signals Using Adaptive Estimation*; Nguyen Dinh Diem (Department of Electrical Engineering), whose thesis was *Spectral Factorisation Via a Riccati Difference Equation*; Le Hung Son (Department of Electrical Engineering), whose thesis was *Extensions of Optimal Filtering to Provide Adaptive Filter Design*; Kai-Shing Dominic Tam (Department of Electrical Engineering) whose thesis was *Optimum Pre-Emphasis Filters Design Via Kalman Filtering Techniques*.

**MASTER OF SCIENCE**, Leslie Michael Koder (Department of Psychology) whose thesis was *Attention and Information Processing* and Ralph William Suters (Department of Geology) whose thesis was *The Carboniferous Stratigraphy, Palaeontology and Structure of the Krambach-Tuncurry Region*.

**STUDY LEAVE REPORTS**

Mr. N.A. Molloy, Senior Lecturer in Metallurgy, returned in August after having spent a year's overseas study leave mainly in England. He was associated with Professor A.V. Bradshaw's section in the Department of Metallurgy at Imperial College of Science and Technology, London, where work was done on plunging jets and liquid jets in vacuum systems. Later he joined the Chemical Engineering Department at Cambridge, under Professor P.V. Danckwerts, and worked on oscillations in enclosed jet flows. Mr. Molloy accepted an invitation to visit the Technical University, Delft, Holland, established contact with research groups in Sweden and the U.K. and attended a course on LD Steelmaking at the University of Salford.

Dr. R.D. Holliday, Senior Lecturer in Metallurgy, spent his entire overseas study leave at the University of Florida, where he was a Research Associate in the Department of Materials Science and Engineering. He participated in one of the Department's main seed-programmes, *Metal-Environment Surface Reactions*. His particular interests were in high temperature oxidation of Ni and the pitting of Al. While in Florida Dr. Holliday's U.S. Patent was issued covering design of new types of cell for production of Al using the conventional electrolyte. Papers were also presented at the Electrochemical Society National Meeting in Miami.

**INVESTIGATION OF EXAMINING PROCEDURES IN THE FACULTY OF ARTS**

As a result of a proposal made by a student member of the Faculty Board, Faculty of Arts, a committee was formed to investigate present methods of assessing results, and viable alternatives.

The committee has decided to begin by sending out three questionnaires: one to Heads of Department, one to lecturers and one to students in the Faculty.

The questionnaire for students will be distributed at lectures during the week beginning Tuesday, 2nd October, and each student is asked to make sure he completes a questionnaire, but only one. (Extra copies will be available at the Student Administration Office if anyone does not receive one at lectures).
No names are to be written anywhere on the questionnaire papers so students should feel free to state their views openly. For the results to be meaningful and helpful, as many replies as possible are needed.

If you have strong views on how your annual results should be assessed, make sure they are expressed where they may be able to do some good.

**OH, WHAT A LOVELY WAR**

Mr. Peter Trist, who assisted the Student Players with several stage productions when the Faculty of Arts was located at Tighes Hill, will renew his associations with the university when *Oh, What a Lovely War* is presented in the Drama Theatre from 2nd to 5th October.

Trist is enrolled in the Production Course at the National Institute of Dramatic Art and will be Assistant Stage Manager for the Institute's version of the Charles Chilton play "black" musical. *Oh, What a Lovely War* will be performed by third-year acting students of N.I.D.A.

**MIME ARTIST'S ITINERARY**

The Department of Community Programmes has prepared the following programme of appearances next month for Mark Furneaux, the mime artist:

- **October 9**, 1-2 p.m., Drama Theatre, University of Newcastle, Workshop with the Student Players; 7.30-8.30 p.m., Drama Theatre, "The Clown Workshop", a one-man show for children.
- **October 10**, 11.30-12.30 p.m., Great Hall, performance for pupils from primary schools; night, workshop with members of Newcastle Young People's Theatre.
- **October 11**, 2.30 p.m., workshop with teachers of dance, Hunter Girls' High School; 7 and 8 p.m., performances at Kotara Fair.
- **October 12**, 9.30 p.m., Newcastle Conservatorium of Music, Workshop; 8 p.m., Drama Theatre, "The Art of Mime", a lecture-demonstration.

Tickets for Furneaux's appearances in the Drama Theatre cost adults $2 and children $1 and are available from David Jones and the Union Shop.

**DONATION OF AUSTRALIAN PLANTS**

Newcastle Flora and Fauna Protection Society has made a donation of Australian plants to express its support for the University's policy of retaining the natural character of the original site.

Fifty Australian shrubs were planted by members of the Society in the precincts of the Great Hall on Sunday morning, 23rd September. The Deputy Planner (Mr. D.D. Morris) met the representatives and assisted in the planting operation.

Newcastle Flora and Fauna Protection Society had stated it was anxious to make a contribution to the Great Hall and also wanted to commend the University for its extensive use of Australian native plants and the careful retention of existing trees on the site, which contributed so much to the University's attractive appearance.

The Vice-Chancellor has thanked the Society for its gesture in assisting the University to preserve the bushland setting.

**RONALD WOODCOCK TO PLAY**

A lunch-hour recital will be given in the Drama Theatre by violinist Ronald Woodcock on Friday, 12th October.


The recital will begin at 1 p.m. and admission will be free.

**ADVERTISEMENTS**

**CARE FOR CHILD**: Lady (formerly governess in London) willing to care for young baby, or pre-school age child, in her own home, for university parents, from beginning of next term, good references, close to university, apply 4 Birrell Street, (off Bardia Road) Shortland.

**HOUSE WANTED**: House required to rent by new lecturer in Electrical Engineering, from May, 1974, please 'phone Ext. 634.
TYING DONE: Mrs. L. Marney, 277 Sandgate Road, Shortland, (phone 52 3039) is looking for casual typing work to be done at home.

TYING DONE: Mrs. Shirley Reed, 67 Wood Street, Adamstown, (phone 52 7693) is looking for work as a casual typist.

STAFF MEMBER'S PART IN BOOK

Dr. Norman Talbot, Senior Lecturer in English, and painter John Montefiore have collaborated on a book, The Fishing Boy, just published by South Head Press of Sydney. Selling for $4.50, the elaborately produced book, of quarto-size, contains a long poem by Dr. Talbot and drawings by Montefiore.

ANNUAL CERAMICS SHOW

The Vice-Principal, Professor B. Newton-John, will open the annual exhibition of work by members of Newcastle Ceramic Study Group to be held in the Great Hall of the university.

The exhibition will be opened at 7.30 p.m. on 12th October and will remain open until 10.30 p.m. Cheese and wine will be served and the donation will be $1.50.

The works will also be on display from 10.30 a.m. to 4.30 p.m. on 13th October. About 100 members of the group will display their work.

DIPLOMA IN EDUCATION 1974

Meetings of all students who plan to seek enrolment in the Diploma in Education course next year will be held on Tuesday, 9th, and Thursday, 11th October, in Room B01 at 1 p.m.

The structure of the Dip.Ed. course, the pre-requisites for entry, practice teaching, etc., will be discussed.

Students should attend one of the scheduled meetings.

Students who cannot attend either of the meetings should contact the Secretary of the Department of Education, Room A109 before the end of Term III (26th October).

GRADUATES CLUB

The Graduates Club wishes it to be known that membership of the Club, which is situated at 245 Commonwealth Street (corner of Foveaux Street), Sydney, only a short distance from Central Railway Station, is open, not only to graduates of both sexes of all universities of Australia, but also to graduates from recognized overseas universities.

The "Graduates Club" is a place of reunion of University Graduates and membership contributes to a valuable and mutually beneficial association between professional men and women from universities the world over.

The Entrance Fee has been waived until 31st December, 1973 and the Subscription until that date is only $10 for the remainder of the year.

Reciprocal entry arrangements exist between this and other similarly constituted clubs in other states and New Zealand.

The Club is particularly well appointed and apart from the normal services and facilities to be found in a good quality professional club, a special feature is made of a very wide range of social and cultural activities organized by Committees drawn from the membership and outside professional entities.

A pleasant relaxed atmosphere prevails within the Club, and the Dining Room can serve a gourmet dinner or a quiet snack at the Bar. The cellar is considered one of the best in Sydney.

This cordial invitation is extended to all graduates and your request for further information will be attended to personally by the Manager (Mr. D. Gibson).

OFFICE AND POSITION RETITLED

The Vice-Chancellor has announced that the title of the Appointments Office has been changed to Careers and Student Employment Office and the designation of the Appointments Officer has been changed to Careers Officer.

POSITION VACANT

Maintenance Attendant - Planner's Division Position No. N95/73
An experienced person is required to assist the Maintenance Staff with the maintenance of buildings, services, plant and equipment. A Boiler Attendant's Certificate of Competency could be an advantage.

Commencing salary will be $71.19 per week.

Application forms may be obtained by contacting the Personnel Section, Ext. 251.


CHILD CARE CENTRE ON THE UNIVERSITY CAMPUS

The Committee appointed to consider the need for Child Care Facilities on the university campus has now analysed the returned questionnaire forms from students and staff. It believes that a strong case may be presented to the Commonwealth Government for financial assistance in erecting a Child Care Centre on the campus and for providing some recurrent costs.

The Committee plans to submit an application for Commonwealth assistance, and hopes to accomplish this within the next week.

The University Council is sympathetic to this proposal and, at present, the legal implications of siting the Centre on the actual campus are being studied.

E.J. BRAGGETT,
Chairman, Child Care Centre on the University Campus.

SPORTING NEWS

Cricket

This season, practice will again be held on Tuesdays and Thursdays, commencing at 4 p.m. The club has obtained the services of a Coach, who will be in attendance on these days.

The first Inter-Varsity fixture for the season will be between Newcastle, New England and Queensland Universities held over the long weekend (Sunday, 30th September to Tuesday, 2nd October) at Armidale.

All players must complete a registration form before the commencement of the season. New players must obtain clearances from the clubs they last played with.

The competition will begin on Saturday, 6th October. The Club have entered the following teams: 1st, 2nd, two 3rd's, two 4th's.

Notices dealing with team selection, Management Committee meetings and general information will be displayed on the notice board on the lower level adjacent to the change rooms in the Sports Pavilion.

Fishing Excursion

Members of staff and students who are keen on fishing have been invited to take part in a deepsea fishing excursion on Sunday, 7th October.

The fishermen will leave Carrington marina in a hired trawler at noon and voyage to reefs off Stockton. After several hours' fishing the group will return to Newcastle at teatime. Warm clothes and a seasickness tablet are advisable precautions.

The cost is $4 a fisherman and bookings can be made by ringing Mr. L. McLardy (Ext. 662), Mr. D. Bartlett (716), Mr. D. Kay (537) or Mr. J. Armstrong (341).

PUT IT IN THE "NEWS"

University News is THREE.

The University community is kept informed and provided with a valuable instrument of communication by virtue of UNIVERSITY NEWS. Copies are sent to every member of staff, both academic and non-academic, and made available to students through bulk deliveries to the Union and the foyers of main buildings.

Since it is your newspaper and there is no charge for the printing of contributions, you are urged to use University News. Support it by sending or telephoning news items and advertisements to Mr. J.W. Armstrong, (Secretary's Division), Extension 341.
**INCREASED ALLOWANCES FOR POSTGRADUATES**

The university is to increase the stipends it pays to holders of its Postgraduate Research Scholarships from $2,900 to $3,050 a year.

The new living allowances, together with increased Establishment allowances (single scholars $75, married scholars $150) and Theses Allowances (Master's theses $150, Ph.D. theses $250), will take effect from 1st January, 1974.

Up to the present time holders of University of Newcastle Postgraduate Research Scholarships had been required to pay the University's General Services Fee, but from the beginning of 1974 the University will meet all general service fees including any compulsory entrance fees on behalf of its scholars.

**COMMONWEALTH UNIVERSITY INTERCHANGE SCHEME**

Travel grants are made by The British Council through the Commonwealth University Interchange Scheme for the promotion of interchange between universities in Commonwealth countries.

The grants are available to university teachers or officers on recognised study leave (Category A), distinguished university scholars invited by universities for short visits (Category B) and postgraduate university research workers holding research grants (Category C).

All applications emanating from Categories A and C must be submitted through the applicant's own university and applicants must normally undertake to spend at least six months at the Commonwealth university or universities which they propose to visit.

Category A and Category B awards will be announced in March each year.

Persons in these categories should send their applications to the Vice-Chancellor and applications must be received in London by 15th December.

With regards Category C, these awards will be announced in June each year.

Applications must be received in London by 31st March.

Mr. J.O. Todd, Assistant Secretary to the University, has more information on the Scheme.

**COMMONWEALTH SCHOLARSHIP AND FELLOWSHIP PLAN 1974 AWARDS**

The University has been invited to make nominations for Awards tenable in the following countries in 1974 under the Commonwealth Scholarship and Fellowship Plan: United Kingdom, Canada, India, Hong Kong, Ghana, Nigeria, Sri Lanka, Malaysia, Jamaica and Trinidad and Tobago.

A Scholarship is normally tenable from the beginning of the academic year.

Times of commencement of academic years:
- United Kingdom, October;
- Canada, September;
- India, June/July (at some universities September or October);
- Hong Kong, September;
- Ghana, October;
- Nigeria, October;
- Sri Lanka, July;
- Malaysia, May;
- Jamaica, October and Trinidad and Tobago, October.

Applications for awards are lodged, in the first instance, with the university of which the applicant is a graduate or has other affiliation. Where an applicant has studied at more than one university, the university of affiliation would be the one that is familiar with his most recent work.

The prescribed Forms of Application may be obtained from the Student Administration Office, University of Newcastle.

Candidates wishing to apply for the Awards of more than one Commonwealth country should complete a full set of application forms for each country.

The closing date for applications lodged by students at the University of Newcastle is Monday, 15th October, 1973. Applications must be lodged with The Secretary to the University by that date.
Applications are invited for Commonwealth Postgraduate Research Awards and University Postgraduate Research Scholarships tenable in the University of Newcastle in 1974. Applicants should hold, or expect to obtain before the beginning of the 1974 academic year, a good honours degree or its equivalent.

Applicants for Commonwealth Awards must have permanent resident status in Australia and be under 35 years of age on 1st January, 1974. The age and residence restrictions do not apply to applicants for University of Newcastle scholarships.

The awards will be made for full-time postgraduate research normally leading to the degree of Master and/or Doctor of Philosophy in any field approved by the University. Awards are offered initially for one year but, subject to satisfactory progress, may be renewed for a second year for Master's degree candidates and for a second and third year with a possible extension for a fourth year for Ph.D. candidates.

**BENEFITS:**

- Tax-free living allowance of $3,050 per annum;
- Dependents' allowance of $650 per annum for a dependent wife and first child, with a further $234 per annum for each other child;
- An incidentals allowance of $100 per annum to cover fees such as Students' Association, Union and sports fees;
- Special allowances to assist with travel to take up an award, setting up residence and the preparation of a thesis:
  - Establishment Allowance: $75 for single students; $150 for married students.
  - Thesis Allowance: $150 for Master's degree; $250 for Ph.D. degree.

*Note: These increased benefits were approved in August, 1973 and are more than those listed in the booklet describing the Research Awards Scheme.*

A limited number of these will be offered in 1974. The allowances payable for University of Newcastle scholarships are at present under review but it is anticipated that they will be comparable with those for Commonwealth Awards.

Eligible applicants who lodge an application for a Commonwealth Postgraduate Research Award will be automatically considered for a University of Newcastle scholarship.

**Closing Date.** Applications must be lodged with the Secretary to the University no later than Wednesday, 31st October, 1973.

Application forms and further information concerning the awards and the research interests of the departments in the University may be obtained from:

The Assistant Secretary, (Student Administration Office)
The University of Newcastle,
New South Wales, 2308.