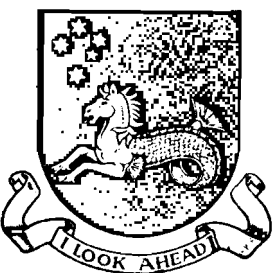


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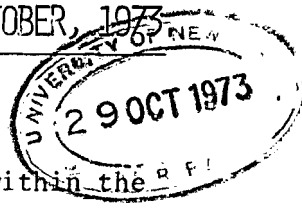


UNIVERSITY NEWS

FOR CIRCULATION WITHIN THE UNIVERSITY OF NEWCASTLE, N.S.W.

NO. 73

25TH OCTOBER, 1973



M I L E S T O N E F O R C O M P U T I N G

October brings with it the 10th anniversary of computing services within the University.

On 22nd October, 1963, an IBM 1620 computer was installed at Newcastle University College, Tighes Hill. This served the university until September, 1966, when an IBM 1130 was installed in the present computer room at the Shortland site, and the 1620 returned to IBM.

In November, 1970, the system was upgraded with the installation of an ICL 1904A computer. This more powerful computer encouraged the development of versatile systems for handling both an improved borrowing procedure for the university Library, and a convenient data storage procedure for the student records section of the Secretary's Division.

Following the installation of a 16-line scanner in 1971, the Computer Centre has offered facilities for remote interrogation and interactive programming. There are now 13 remote terminals in use; 10 within university departments and three on the premises of external users.

In January, 1974, the present computing system will be further upgraded by the addition of 32000 words of extra core memory. Also next year, the Centre expects to take delivery of a new minicomputer which will provide a fast and efficient interactive programming service to a large number of users.

2 2 N D C O U N C I L E X E C U T I V E

Mr. David Wallace, who is enrolled in the Faculty of Engineering, has been elected President of the 22nd Students' Representative Council.

The President of the 21st Council (Mr. Greg Giles) was not a candidate for election.

Mr. Milorad Pavlovic was elected Honorary Secretary to succeed Miss Jan Chambers.

Miss Barbara Callcott was elected local A.U.S. Secretary.

Elections of Representatives have resulted as follows: Mr. Gary Kurzer (Architecture Representative), Mr. David Hoole (Engineering Representative), Mr. Keith Rigby (Mathematics Representative), Miss Christine Walsh (Science Representative), Misses Kathryn Evans, Cathy McDonald, Kathryn Shield and Mr. Tony French-Kennedy (Arts Representatives), Mr. Steven Dumbleton (Full-time Representative) and Miss Barbara Rigby, Messrs. Ted Hennessy and Richard Webber (General Full-time Representatives).

Nominations for election as other Representatives on the S.R.C. have been reopened. The positions still vacant are: Part-time Representatives (3), Honorary Treasurer (1), Mathematics, Science, Engineering and Part-time Representatives (1 each).

Following the resignation of the Vice-President, Mr. Trevor Allen, the S.R.C. has elected Miss Kathy Shield to succeed him.

The 22nd S.R.C. will function from the first term of next year as successor to the present Council.

U N I V E R S I T Y L I B R A R I A N O N S E C O N D M E N T

Mr. E. Flowers, Librarian of the University of Newcastle, is conducting a study for the Australian Committee on Technical and Further Education.

The task involves Mr. Flowers' secondment from the university to the Committee for up to three months from 21st October.

On 26th April, 1973, the Australian Minister for Education (Mr. Kim Beazley) announced the establishment of the Australian Committee on Technical and Further Education in the following terms:

"The Committee will advise the Australian Government on the development of technical and further education in Australia and will make recommendations for financial assistance to State technical and further education institutions. This assistance will begin in July, 1973.

"The Government's objective is to promote the well-balanced development of technical and further education throughout Australia.

"In carrying out its task the Committee will take into account community attitudes and the needs and aspirations of individuals, as well as the emerging needs of industry, commerce and governments as they adjust to technological economic and social change. It will advise on priorities within needs and the optimum use of resources.

"The Committee will advise the Government on an important area of education not covered by other Commonwealth advisory commissions.

"Courses at these institutions for adults receiving further education as well as courses for tradesmen and technicians will benefit from the recommendations of the Committee, which will ensure the continuity of Commonwealth support for these areas in the future".

Mr. Flowers will conduct the study of libraries in technical colleges as part of the work of the Committee, in association with Mr. Tony Brown, Librarian, South Australian Institute of Technology and Mr. Ross McKinnon, Head Teacher, Warragul Technical College. They will carry out a survey of technical college libraries throughout the country to evaluate library needs, possibly in the form of standards, and to recommend on methods of meeting these standards.

For the period of Mr. Flowers' absence, Miss Elizabeth Guilford will be Acting University Librarian.

A P P E A L F O R R E A D E R S

Our community is still basically a literate community, and possibly the most important drawback of blindness is non-access to books. To a very limited extent this can be overcome with Braille, but with the advent of taperecorders the problem has become easier of solution.

The Royal Blind Society in Sydney has a library of recorded books, mainly novels, but the Newcastle Branch of the R.B.S. is considering developing its own library of recorded books. The intention is that this library should consist primarily of more serious works. The major need at the moment is for volunteers to read books onto cassettes. Cassette recorders and cassettes would, of course, be provided.

Interested people willing to give a few hours of their spare time can obtain further information from: Mr. N. Million, French Department, Ext. 343; or Mr. C. Rowath, Royal Blind Society, 63 Laman Street, Cooks Hill 'phone 2 3361.

D I P L O M A I N C O M P U T E R S C I E N C E

The Faculty of Mathematics has offered a graduate Diploma in Computer Science since the beginning of 1972. Recently the Australian Computer Society changed its standards of entry for Society members to incorporate an examination before qualification. Because of this, they are now planning to accredit courses which include Computing or Computing Science in their curriculum, in lieu of this examination.

The Faculty of Mathematics has applied for such accreditation in respect of the Diploma in Computer Science. It is confidently expected that this application will be granted, in fact it is likely that this Diploma will be among the first courses accredited by the Society.

Those students who will graduate this year are reminded that Commonwealth Undergraduate Scholarships may be extended beyond the first degree for the purpose of undertaking work for this Diploma. Although no Commonwealth Undergraduate Scholarships will be awarded next year, existing holders of such scholarships will suffer no reduction in privileges. Accordingly, they will be allowed to continue with the Diploma in Computer Science after graduation.

The Dean of the Faculty of Mathematics, Professor R.G. Keats, or the Course Controller, Dr. A.J. Guttman, will be pleased to provide further information on this Diploma to any interested member of the University.

It is probable that students studying for this diploma will be eligible for allowances provided by the tertiary allowances scheme.

P R I N C I P A L D A T E S , 1 9 7 4

4th January Last day for lodgement of enrolment forms - continuing students.

9 OCT 1973

- 14th January Deferred examinations begin.
- 18th January Last day for lodgement of applications for admission from persons resident in Australia who were enrolled in another Australian university in 1973 or who are seeking admission on the basis of examination results which were not available by 1st November, 1973 or who applied to attempt the University of Sydney Matriculation Examination in February, 1974.
- 8th February Last day for lodgement of application for residence in Edwards Hall.
- 22nd and 25th February New students required to attend the university in person to have their enrolment approved.
- 4th March First term begins.
- 15th March Graduation Day.
- 18th May First term ends.
- 10th June Second term begins.
- 17th August Second term ends.
- 9th September Third term begins.
- 9th November Third term ends, annual examinations begin.
- 30th November Annual examinations end.

S U M M E R S C H O O L S

The W.E.A. Hunter Valley Region and the Department of Community Programmes will jointly conduct two residential summer schools in January.

Morpeth Conference Centre will be the venue for a summer school from 2nd-6th January offering courses in the Geology of the Hunter Valley, Human Relations, Poetry Writing and Practical Painting. Comfortable dormitory style accommodation will be provided and the emphasis will be on a relaxed workshop approach to the subjects. The cost per student is \$50, which includes accommodation, meals and tuition. The closing date for enrolment is 14th December.

The Geology, Ecology, Botany and Zoology of Myall and Smiths Lakes Region will be investigated at a residential summer school from 6th-13th January to be conducted at Smiths Lakes research station. The station is located on the shores of Smiths Lakes, some 20 miles from Bulahdelah and between the Myall and Wallis Lakes. Accommodation is under canvas in a permanently established camp. A laboratory, boats and other equipment are on the site. The closing dates for enrolments is 14th December and the fee is \$40 per student.

A N N U A L E X A M I N A T I O N S

This year most examinations will be held between 3rd and 23rd November.

REMEMBER THAT MISREADING OF THE TIMETABLE WILL NOT BE ACCEPTED AS AN EXCUSE FOR FAILURE TO ATTEND AN EXAMINATION.

Examinations will be held in the Great Hall, both the Aud. (Auditorium) and Glass H. (Glass House), and rooms in the Main, Geology, Social Sciences, Engineering and Architecture Buildings.

DAILY ROOM ALLOCATIONS WILL BE DISPLAYED before the end of term on the Examinations Notice Board (opposite the Main Lecture Theatre) and in the vestibule of the Main Building.

CANDIDATES SITTING FOR EXAMINATIONS IN EITHER AREAS OF THE GREAT HALL will be allotted individual desk numbers which will be displayed on the relevant Departmental Notice Boards before the end of term and in the vestibule of the Great Hall on the day of the examination.

In such cases where more than one room is used for the candidates of any one subject, NAME LISTS FOR ALLOCATION OF CANDIDATES TO PARTICULAR ROOMS will be posted on the notice boards of the Departments responsible for the examination papers concerned. To avoid last minute anxiety, make sure you consult the notice boards and locate your examination rooms well beforehand.

Individual Examination Result Notices will be posted to every student by 14th December, 1973.

A N N I V E R S A R Y D I N N E R

This year's University Anniversary Dinner will be held in Edwards Hall on the night of 16th November. Invitations have been sent to members of the academic and graduate staffs and their wives. Sherry will be at 7.30 p.m. and the Vice-Principal (Professor B. Newton-John) will give the Reply to the Hail and Farewell toast.

O P E N I N G O F G R E A T H A L L

The Great Hall of the University will be officially opened on Wednesday, 28th November. The ceremony will be performed by Sir Roden Cutler, Governor of New South Wales and Visitor to the University. The degrees of Doctor of Science will 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 an appeal for funds for the construction of the Great Hall.

The programme for the ceremony will include performances by the Chromattica Septet. Keith Murree-Allen will provide music on the organ.

J O U R N A L I S T T O B E G U E S T S P E A K E R

Mr. Errol Hodge, a graduate of the old Newcastle University College and the Australian Broadcasting Commission's former representative in Jakarta, will be guest speaker at a general meeting of Convocation in the Drama Theatre on Thursday, 8th November, beginning at 8 p.m. Mr. Hodge will speak about Indonesia. Members of Convocation and their friends are invited to attend. A wine and cheese supper will be served after the meeting.

C R E A T I V I T Y

"In Search of Creativity", an edition of the A.B.C.'s 'Survey' series, was filmed at the University of Newcastle. It will be screened on Channel 5 on Tuesday, 13th November, at 10 p.m.

The film 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 Australians involved in the performing arts.

C R E D I T U N I O N ' S A . G . M .

The second annual general meeting of the University of Newcastle Staff Credit Union Limited will be held in Lecture Theatre H01 (Chemistry) on Friday, 26th October, at 12.30 p.m.

The Chairman of Directors of the Credit Union (Mr. M.E. Edmonds) said he would be pleased if there were a big audience of members to hear reports, take part in elections and ask questions.

Copies of the Credit Union's Annual Report have been distributed to members. The agenda for the meeting provides for the election of four Directors and a member of the Supervisory Committee to succeed members who retire in accordance with the rules.

The Credit Union's steady growth since the formation meeting in July, 1971, has been most gratifying; the current membership is approximately 200.

R E Q U E S T B Y A D V I S O R Y G R O U P

The Buildings and Grounds Committee of Council at a meeting in July appointed a sub-committee to consider transport services to and from the University and traffic and pedestrian movement within the University site. The sub-committee is being assisted by an Academic Advisory Group, which includes representation from the College of Adult Education. The Academic Advisory Group, under the chairmanship of Professor K.W. Robinson, has met frequently since it was formed and has divided into three study panels to investigate:

1. Parking and organisation of traffic within the University.
2. Transportation to and from the University.
3. External road system and access to the University.

The Academic Advisory Group is anxious to receive constructive comments and ideas from as many students and staff members of the University as possible and these will be carefully considered in arriving at final recommendations. Submissions under any of the above headings should be addressed to Professor Robinson, Geography Department.

M A L A Y S I A N S T U D E N T S ' U N I O N

The Malaysian Students' Union has established a centre at 25 Tighes Terrace, Tighes Hill, and Y. Lin Wooi has been appointed Caretaker.

Any members not knowing where to keep their belongings while they are away on holidays may store them at the M.S.U. Centre. Each member may only store one suitcase and two boxes, or two suitcases and a box, or three suitcases, or three boxes. The size of the box should be approximately 1½ ft. by 1½ ft. by 1½ ft. However, a member may store more only if there is room for storage. A nominal fee of 50¢ per week is agreed upon by the Committee.

There is a limited number of vacancies for temporary accommodation at the M.S.U. Centre during the summer vacation. This is more suitable to members and freshers who are seeking temporary accommodation. Unfortunately, a nominal fee has been agreed upon by the Committee.

The rates are: 1. For those who do not intend to stay more than three nights: 50¢ per night; 2. For those who do intend to stay more than three nights: \$5 per week; 3. For those who initially do intend to stay no more than three nights but however due to circumstances wish to stay longer - the first rate (1) will not apply but instead the second rate (2) will apply.

Any members who so wish to hold any functions at the M.S.U. Centre will have to write or contact the Caretaker or any Committee member at least three days before the date of function. This procedure helps to check holding two functions at the same time.

Further information can be obtained by contacting any Committee member or the Caretaker.

L I F E I N R E M O T E C E N T R E S

Find out what it's like to live in remote centres. Find out about the job opportunities. Find out the type of work experience to be gained.

"Living and Working in Remote Mining Centres" is the title of a lecture and film screening to be given by Mr. H.D. Bryne, Group Recruiting Supervisor, C.R.A. Melbourne, in Room F02, Engineering, on 7th November, at 7 p.m.

The programme has been arranged by the Graduates' and Students' Section, Newcastle Division, Institution of Engineers, Australia.

T E R T I A R Y A L L O W A N C E S S C H E M E

Earlier this year the Government announced that, as a complement to its decision to abolish tuition and certain other compulsory fees at universities, colleges of advanced education, approved teacher training colleges and technical colleges, it would provide means-tested living and other allowances to all full-time non-bonded Australian students admitted to these courses.

Applications for assistance under the scheme, which the Government will introduce in 1974, are currently being invited.

Assistance is available to persons who: fulfil certain academic requirements; qualify under a means test; do not receive income in excess of \$350 from other scholarships; are not under bond; satisfy certain residence requirements.

No age limit will apply.

Application forms and information booklets are available from this university's Student Administration office. Students who have already commenced a course should return their forms by 31st October. Students who already hold a Commonwealth Scholarship will automatically be sent application forms.

M A T H E M A T I C S S E M I N A R

The Department of Mathematics will hold a seminar in Lecture Theatre GG05, Chemistry, on Friday, 26th October at noon. Professor G. Szekeres, of the University of New South Wales, will speak on "Points at Infinity in a B*-Algebra".

O R I E N T A T I O N W E E K

The S.R.C. has decided that Orientation Week in 1974 will be the week preceeding the commencement of First Term. The last Orientation Week was held in the first week of First Term.

The following students have been elected as Orientation Week Directors: Misses Barbara Callcott, Jan Chambers and Kathy Shield and Messrs. Gary Kurzer and Tian Oei.

Messrs. David Wallace, Charles Baker and Steven Dumbleton will be Editors of the Orientation Handbook, contributions to which from individuals and clubs have been requested.

P L A N T O E S T A B L I S H P H A R M A C Y

The Board of Management of the Union has acceded to a request made by the S.R.C. for space to be provided in the Union when work on the current ajditions is completed for the establishment of a pharmacy. The S.R.C. and the A.U.S. Friendly Society collaborated in proposing the scheme to the Board.

The S.R.C., as well as agreeing to provide \$7,000 towards the cost of the project, elected an Interim Committee to implement the scheme and manage the pharmacy. This body consists of the President of Newcastle University Students' Association (Mr. Greg Giles), Local A.U.S. Secretary (Miss B. Callcott), a member of the Board of Management of the Union, a member of the University's Staff Association, Miss Kathy Shield (representative of the S.R.C.) and coopted members.

An extraordinary meeting of the S.R.C. had previously been held to consider ways and means whereby a pharmacy could be established on the campus. Subsequently, the scheme was proposed to the Board of Management of the Union. It is intended that the pharmacy be brought into operation by First Term next year.

F U R T H E R " P R O M " C O N C E R T S

The A.B.C. Youth Orchestra will visit the University again on Saturday, 24th November, to present "prom" concerts in the Great Hall at 2 p.m. and 7 p.m. The Department of Community Programmes is organising the concerts with the A.B.C. The main floor of the Great Hall will be cleared of seats and the main audience will consist of people who sit on blankets or cushions on the floor. Admission to each concert will be by programme.

A D V E R T I S E M E N T S

UNION SHOP'S SERVICES:

Kodak Agency Kodak films, photographic needs, photofinishing, all 10% off suggested retail. (Cameras, chemicals, special films, accessories, etc., can be ordered - one day's notice needed) - at above rates.

Valentine Dry Cleaners and Laundry 24-hour service if clothing in by 10.30 a.m.

Bank of N.S.W. Agency Banking facilities available 9 a.m. to 5.30 p.m., Monday to Friday, limit on withdrawals.

Photocopying Machine 5¢ per copy, exam papers from last year are available for copying, large quantities of work may be left with the shop staff for completion.

TYPING DONE: Mrs. L. Marney, 277 Sandgate Road, Shortland ('phone 52 3093) is looking for casual typing work to be done at home.

FOR SALE: Hecla electric heater, G.E. hair dryer, Sunbeam toaster, G.A.F. slide projector, Singer sewing maching, Terry Cheatele watercolour, glass cannisters with cork tops, etc. 'phone 57 4141.

P O S I T I O N S A V A I L A B L E

Laboratory Craftsman - Department of Psychology Position No. N112/73

Applicants for this position should hold an appropriate electrical or metals trade certificate. Duties involve the construction of apparatus for laboratory and research use, and applicants are asked to state any experience of a general nature they may have had; e.g., woodworking, metalworking, welding, etc. The successful applicant will be given the opportunity to display some initiative.

Commencing salary will be within the range \$103.01 - \$116.93 per week.

Laboratory Attendant - Department of Electrical Engineering Position No. N113/73

Duties include assisting with preparation of equipment and materials in laboratories, workshop and stores. Formal qualifications are not essential but experience in stores, laboratories or with electrical work would be an advantage.

Commencing salary for adults will be within the range \$75.83 - \$81.56 per week.

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

Applications close on 5th November, 1973.

Research Assistant (Temporary) - Department of Psychology Position No. N114/73

Applications are invited for the position of temporary/full-time Research Assistant to Mr. B. Fenelon and Dr. D. Dunlop. The applicant should have an arts degree, majoring in Psychology and should have had extensive experience in the testing of pre-school kindergarten children in spatial perception and psycholinguistic functions, especially of a visual nature.

The commencing salary will be \$5,767 per annum, financed by a grant from the National Health and Medical Research Council.

Further information regarding duties may be obtained by ringing Dr. Dunlop 2 4368 or 2 3535.

Applications with details of qualifications and experience together with the names of at least two referees should be lodged with the Personnel Officer by 31st October, 1973.

S C H O L A R S H I P S , F E L L O W S H I P S

Mr. J.D. Todd, Assistant Secretary to the University, has further details concerning the following scholarships and fellowships:

	Closing date
Netherlands Government fellowships for courses organised by the International Institute for Aerial Survey and Earth Sciences at Enschede.	not stated
Confederation of British Industry scholarships for graduates seeking practical training in the U.K. in Engineering.	30th November
Royal Commission for the Exhibition of 1851 post-graduate research scholarships in Pure and Applied Science tenable in the U.K. or abroad.	21st March, 1974
British Council Grants for travel grants to the U.K. for post-graduate students.	31st March, 1974
The Rutherford Scholarship (The Royal Society) for research in any branch of the natural sciences in some part of the British Commonwealth.	15th February, 1974

S P O R T I N G N E W S

N.Z. Cricket Team

University Oval will be the venue for a test match between Combined Australian Universities and Combined New Zealand Universities next January.

The New Zealand team will tour Australia from 5th January to 2nd February and included in the visit will be a week of matches in Newcastle during the Inter-Varsity cricket contest.

The New Zealanders will arrive in Newcastle on 8th January, play a Newcastle representative team on 9th January, compete against an Australian team selected from Universities not included in the Inter-Varsity final on 10th and 11th January, and play against Australia in the First Test on 13th, 14th and 15th January.

The Combined New Zealand Universities will leave Newcastle on 16th January and visit A.N.U., Melbourne, Monash, Flinders and Sydney Universities before returning to New Zealand.

Inter-Faculty Cricket

This year's Inter-Faculty Cricket Competition will be played on University Oval between 6th and 22nd November.

The following teams will participate: Division I, Accap (Accounts, Amenities and Planning), Arts and Engineering; Division II, Ec/Com, Science (Science and Applied Science) and Admin/Lib and M (Administration, Library and Mathematics).

The draw: Ec/Com v. Science, 6th November; Arts v. Engineering, 8th November, Admin/Lib and M v. Ec/Com, 13th November; Accap v. Arts, 15th November; Science v. Admin/Lib and M, 20th November and Engineering v. Accap, 22nd November.

The final between the winner of Division I and the winner of Division II will be played at University Oval on 25th November.

No. 2 Oval

Work on the top dressing of No. 2 Oval is nearing an end and, given favourable weather, the new playing field is expected to be ready for athletics and cricket by the end of November. It is a true oval, with 630- and 430-foot diameters. The Sports Union has raised a loan for the construction, alongside the oval, of a Field House, an indoor sporting complex where basketball, gymnastics and table tennis will be played. The Field House will be named the "Auchmuty Sports Centre" in honour of the Vice-Chancellor, who is due to retire at the end of 1974.

No. 2 oval is a departure from No. 1 oval primarily because it provides facilities for athletics, including a 400 metre running track with straights.

Raffle Drawn

The Vice-Chancellor drew the winning ticket in the raffle conducted by University Rugby Union Club. The winning ticket was bought by A. Mooy, C/- Mr. D. McKee, Department of Commerce. The prize is a portable T.V. set. The second prize, one dozen bottles of beer, was won by Ross Brown, 498 Bruncker Road, Adamstown Heights. The prizes can be collected from the Amenities Office.