



UNIVERSITY NEWS

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

NO. 24

2ND SEPTEMBER, 1971.

ACADEMIC APPOINTMENTS

Dr. W.P. Wood has taken up his appointment as Lecturer in Mathematics.

Dr. Wood holds a B.Sc. degree with Honours and a Ph.D. in the University of New South Wales. Before joining the university he was attached as a Research Fellow to the Department of Theoretical Physics in the Research School of Physical Sciences at the Australian National University.

Dr. F. Walla has begun duties as Lecturer in German.

Dr. Walla holds the qualifications of Lehramtsprüfung and Ph.D. in the University of Vienna and since 1962 has filled a number of teaching posts in England and Europe. For six weeks in 1970 he was attached to Salzburg Summer School for Foreign Students and before joining this university was Lektor at Westfield College, London.

CREDIT UNION REGISTERED

The University of Newcastle Staff Credit Union Ltd. was recently incorporated under the terms of the Credit Union Act, 1969, permitting the organisation to begin operations on 1st September.

Membership is available to employees of the university, the Union, the Staff House, the Sports Union, the Bookshop and the Hunter Valley Research Foundation, postgraduate students and members of the families of employees.

The Board of Directors is receiving many queries from persons in the University who are interested in saving through the Credit Union. This can be done either by making cash deposits, or, as is far more common, by arranging through the Credit Union for deductions to be made from salaries. The Credit Union pays a rate of 5% per annum, calculated on the minimum monthly balances, on all savings.

The Credit Union lends sums of up to \$400 to members at a rate of interest of 1% per month, calculated on the unpaid balance of the loan. This means that \$100 borrowed for 12 months costs approximately \$6.60. As can be appreciated this rate of interest is lower than that charged by nearly all finance companies.

Budget savings accounts are also being introduced as a facet of the credit union's service. Under this system a member has deducted from his salary a fixed amount every pay to meet recurring expenses, i.e., electricity, rates, insurance, telephone. This service eliminates the need to find large sums of money at short notice.

The Credit Union believes that it can materially assist its members by encouraging thrift and helping to ease their current money worries. It is a non-profit society which is owned by the members. A fund is being raised chiefly by means of the university making payroll deductions on behalf of the members for savings purposes. The fund is used to provide low-cost loans to members who require money for any worthwhile purpose (buying cars, furniture; meeting holiday, Christmas, home maintenance expenses; paying university fees, etc.).

As well as the controlling Board of Directors, a Secretary (Mr. T.G. Chapman) and a Treasurer (Mr. D. Doherty), the Credit Union has a Supervising Committee,

consisting of Messrs. N. Porter, K. Thomson and B. Colditz, which, in general, checks that the Credit Union is being properly administered. The Committee conducts a continuous audit of the financial records to safeguard members' savings and hears any grievances directed against the Credit Union.

Application forms are available from Mr. N. Porter (Accountant's Department), Mr. D. Mudway (Mechanical Engineering) and Mr. J.W. Armstrong (Secretary's Division).

R E P O R T O N S T A F F R E A D I N G C O U R S E S

In the last week of Second Term and during the vacation, some 67 members of staff entered courses on efficient reading run by members of the Student Counselling Unit.

The tests of speed and comprehension conducted at the beginning and conclusion were made available by 38 of the 41 members of staff present at both sessions. The group showed considerable gains, with an average initial reading speed of 229 words per minute and a final speed of 475 (an overall gain of 107% after nine hours of group time). All but two individuals obtained increases of 50% or more in speed. Comprehension stayed the same, or improved, in 66% of cases. Perhaps the best individual gain was from an original w.p.m. score of 328 before the course to 855 wpm after, with no loss in comprehension.

It is hoped that course members now have a better appreciation of their reading strengths and weaknesses and an ability to vary their reading techniques to suit the material.

The demand for courses has been such that the S.C.U. will probably run staff courses each year if other commitments allow.

U. P. N. G. A P P O I N T M E N T

Mr. Nigel Krauth, who graduated as a Bachelor of Arts with First Class Honours in 1970, has taken up an appointment as Tutor in English at the University of Papua and New Guinea.

Before taking up the post Mr. Krauth was attached to the Department of English, A.N.U., as a Research Assistant. He is at present completing an M.A. thesis on Shakespeare's major tragedies.

P L A C E O N F E D E R A T I O N E X E C U T I V E

Mr. P.N. Chopra, Senior Lecturer in Education, was elected Vice-President of the Federation of Australian University Staff Associations at the Federation's annual meeting in Canberra. Mr. Chopra is Hon. Secretary of the University of Newcastle staff association.

The Federation also elected these executive officers:

President: Dr. H.J. Rodda (Adelaide),

Members : Mr. A.W. Anderson (Western Australia),

Mrs. G.R. Blain (Monash),

Dr. J.W. Watson (Melbourne),

Prof. C.P. Wendell-Smith (Tasmania).

SCHOLARSHIPS AVAILABLE

Full particulars about the conditions and procedures for applying for the following scholarships and fellowships may be obtained from Mr. J.D. Todd at the Student Administration Office.

Commonwealth Postgraduate Course Awards

Applications are invited for the awards which the Commonwealth will be offering in 1972 to students undertaking full-time postgraduate study in approved courses leading to the degree of Master at Australian Universities.

Eligibility: The awards are open to persons who -

- * have not previously held a Commonwealth Postgraduate Award.
- * will be under 45 years of age on 1 January, 1972.
- * are qualified for entry to an approved Master's degree course.
- * satisfy certain residence requirements.

Benefits:

- * tax-free living allowance of \$2,600 per academic year.
- * dependants' allowance at the rate of \$450 per academic year under certain conditions.
- * payment of compulsory university fees.
- * special allowances to assist with travel, setting up residence and the preparation of a thesis.

Approved Course: The courses leading to the degrees of Master of Education, Master of Engineering Science and Master of Commerce (Economics) in the University of Newcastle are approved courses under the Commonwealth Postgraduate Course Awards Scheme.

Applications: Applications close on 30th September, 1971 and should be lodged with The Secretary to the University. Complete details are contained in the application forms and information booklets which are now available.

Commonwealth and University of Newcastle Postgraduate Research Scholarships

Applications are invited for Commonwealth and University Postgraduate Research Scholarships for first year tenure at the University of Newcastle.

Applicants are expected to hold a good honours degree or its equivalent or expect to have qualified for such by the beginning of the 1972 academic year.

Applicants for Commonwealth Awards must have permanent resident status in Australia and be under 35 years of age on 1st January, 1972. Applicants who lodge an application for a Commonwealth Postgraduate Research Award will be automatically considered for an University of Newcastle Postgraduate Research Scholarship. The age restriction and permanent resident status requirement does not apply in the case of applicants for University of Newcastle Scholarships.

The awards will be made for postgraduate research study in any field approved by the University and will be offered initially for one year but subject to satisfactory progress and the study undertaken, may be renewed for up to two further years or in special circumstances for three further years.

The stipend payable under these Awards/Scholarships is at the rate of \$2,600 per annum for single scholars and in some circumstances \$3,050 for married scholars with a child or children.

A Travel and Establishment Allowance and a Thesis Allowance are payable under certain conditions.

Holders of these Awards/Scholarships will be exempt from University Tuition fees and the Higher Degree Registration Fee, but required to pay the Union Entrance Fee (where applicable) and the General Services Fee.

Applications for these Scholarships may be lodged with The Secretary to the University up to Monday, 1st November, 1971.

Complete details are contained in the application forms and information booklets which are now available.

The Norman Laski Senior Studentship St. John's College, Cambridge

St. John's College, Cambridge invites applications for the Norman Laski Studentship for advanced study or research in some branch of Economics, Land Economy, Engineering, Mathematics or related fields of study, preferably study or research related to business or management.

A candidate should not ordinarily be less than 23 years of age at the beginning of his tenure nor should he ordinarily be working for a postgraduate qualification at Cambridge or any other university.

A candidate for the Studentship must be a male graduate of a college or university in any country. The student will be elected for one year, or, in exceptional circumstances, for a longer period not exceeding three years. He would be expected to enter his studentship not earlier than 1st October, 1972 nor later than 1st January, 1973. The emoluments of the Studentship which will not exceed £1,700 per year will be determined by the College Council in the light of the student's qualifications and financial circumstances.

Applications must be lodged with the Master, St. John's College, Cambridge, no later than 1st February, 1972 and should state:

- (i) the applicant's full name and the date and place of his birth;
- (ii) his place of higher education with dates, his degree or other academic qualifications (class in undergraduate examinations, etc.);
- (iii) the nature of the study or research he proposes to pursue if elected;
- (iv) the date on which he would expect to be able to take up the Studentship, and any circumstances he would wish the College Council to take into consideration in determining his suitability and the period of his tenure;
- (v) the names and addresses of not more than three persons to whom the College Council may refer.

Testimonials should not be sent.

Senior Hulme (Overseas) Scholarship at Brasenose College, Oxford

One Senior Hulme (Overseas) Scholarship tenable at Brasenose College, Oxford, is offered each year for a male citizen of Australia or New Zealand who is a graduate of a recognised University in either of these countries. The award is available to both junior members of staff and postgraduate students and it is the donor's hope that the Scholarship holder will return to his own country at the conclusion of the Scholarship. The 1972 Scholarship is available for a Science-type graduate, "Science" including the mathematical sciences. It may be held for a maximum of three years. A candidate must not have exceeded the age of 27 years on 1st October of the year in which he will first come into residence at Oxford. A successful applicant will be expected either:

- (i) to follow a course leading to a postgraduate degree or diploma; or

- (ii) where appropriate, to follow a recognised course of post-doctoral study.

The annual stipend will be £900 Stg. plus any employer's contribution to F.S.S.U. or comparable pension scheme. All University and College fees and dues will be paid by the College.

Applications made on the prescribed application forms, close with The Secretary to the University of Newcastle on 31st October, 1971.

Queensland Association of University Women Jubilee Fellowship

This Fellowship will be awarded to either -

- (i) A woman graduate of an Australian university wishing to study or to do research at a university other than her own either in Australia or overseas; or
- (ii) A woman graduate of a university other than Australian wishing to study at an Australian University.

If a final factor for selection of the Fellowship holder is necessary, priority will be given to a graduate wishing to study at a university in Queensland.

The total value of the Fellowship is \$(Australian) 2,000.

There is no age limit.

Application forms may be obtained from:

The Secretary, Fellowships, Q.A.U.W.,
Box 1805W, G. P. O.,
BRISBANE. 4001

Applications must be lodged with The Secretary, Fellowships, Q.A.U.W. by 1st February, 1972. The notification of the Award will be made on 1st April, 1972.

The Institution of Mining and Metallurgy Edgar Pam Fellowship

This Fellowship for postgraduate study in mining and related subjects will be awarded in October, 1972.

Those eligible for the award of a Fellowship are young graduates domiciled in Australia, Canada, New Zealand, South Africa and The United Kingdom, who wish to undertake advanced study or research in the U.K. into any aspect of the science or practice of mining or related subjects (e.g., economic geology, mineralogy, mineral processing, extractive metallurgy, etc.).

The value of the Fellowship will be £600 Stg. and is tenable for one year.

Application forms are available from:

The Secretary,
The Institution of Mining and Metallurgy,
44 Portland Place,
LONDON. W1N 4BR. U.K.

and these should be returned to the Institution Secretary as soon as possible but in any case by not later than 15th March, 1972.

Australian Institute of Nuclear Science & Engineering Postgraduate Research Studentships - 1972

The University has been invited to nominate candidates for A.I.N.S.E. Post-

graduate Research Studentships for initial tenure commencing in the first half of 1972.

These awards are available to students who expect to complete within six months of nomination, the requirements for the degree of B.E. or B.Sc. (Honours) or their equivalent, and who are enrolled or expect to enrol within six months as a candidate for a higher degree at an University in Australia.

Studentships will be held at the nominating University, but the student will be required to spend not less than one-quarter of the total period of tenure of the Award attached to the Institute at Lucas Heights, New South Wales, for the purpose of using the facilities at Lucas Heights in connection with his approved research topic.

The research project must be proposed by the University and must be directly concerned with the Institute's field of interest. Studentships initially are awarded for one year and may be extended for a second, third and a fourth year. Emoluments during the tenure of the award are as follows:

Single student \$2,800 per annum
Married student (male) \$3,100 plus \$200 per annum
in respect of each dependant child.

University fees and certain other expenses would also be met by the Institute.

Students wishing to be nominated by the University of Newcastle must lodge their applications with The Secretary to the University not later than Friday, 29th October, 1971.

Peterhouse Cambridge Research Studentships

Peterhouse College, Cambridge will award not more than three research studentships in June, 1972.

Candidates must be men under 25 years of age on 1st December, 1972. Candidates must be University graduates or should have graduated by August, 1972. Tenure of a studentship is conditional upon the elected student being accepted as a candidate for the degree of Ph.D. in the University of Cambridge by the Board of Graduate Studies. Application to the Board is made through the Cambridge Intercollegiate Graduate Application Scheme (C.I.G.A.S.). The Studentships are renewable annually up to a maximum of three years and their value will be determined after considering a successful candidate's income from other studentships or similar sources. A student without other emoluments will receive £650 per annum together with certain approved fees.

An application form for Studentships, together with C.I.G.A.S. application forms, may be obtained from the Senior Tutor, Peterhouse, Cambridge, England. Studentship applications must reach the Senior Tutor no later than 1st April, 1972.

The Australian National University Research Scholarships

Courses for the degree of Doctor of Philosophy in the Institute of Advanced Studies and School of General Studies.

The Institute of Advanced Studies, consisting of the John Curtin School of Medical Research and the Research Schools of Physical Sciences, Social Sciences, Pacific Studies, Chemistry and Biological Sciences, and the School of General Studies, consisting of the Faculties of Arts, Asian Studies, Economics, Law and Science, offer a limited number of scholarships to applicants of high scholastic calibre with capacity for research who hold, or expect to hold, a good honours degree or equivalent from a recognised university.

A scholarship is awarded initially for two years, subject to satisfactory progress, but normally will be extended for the whole period of the course, usually three years. The Ph.D. degree course of this University requires the submission of a thesis.

Basic Allowance: \$A2,710 per annum tax free. A married scholar without children whose wife is unemployed may apply for an extra \$A585 per annum. Married scholars with dependant children: \$A825 per annum for first child, \$A240 per annum for each other child. Return fares are normally paid; help with housing is given to most scholars.

Applications should preferably be made in January, April or September, but those at other times will be considered. Awards can usually be taken up at any time.

For details and application forms, intending applicants should write, stating field of research, to:

The Academic Registrar,
The Australian National University,
Box 4, Post Office,
CANBERRA. 2600

Monash University Graduate Research Scholarships

Monash University is inviting graduates with good Honours degree qualifications or the equivalent and with an interest in research, who wish to proceed to a higher degree, to apply for Monash Graduate Scholarships in any one of the following faculties: Arts, Economics and Politics, Education, Engineering, Law and Science. The stipend for Monash Graduate Scholarships is \$2,200 per annum and a family allowance at the rate of \$450 per annum may be payable in certain circumstances. A supplementary allowance may be paid to an intending Ph.D. candidate who, for the past three years, has been earning substantially more than the above allowance. Establishment, travel and thesis allowances are also available. The Scholarships may be held up to a maximum period of two years for Masters candidates and three years with a possible extension for a fourth year for Ph.D. candidates.

Applications close on 31st October, 1971. Further information and application forms may be obtained from the Academic Registrar, Monash University, Clayton, 3168.

National Heart Foundation of Australia Vacation Scholarships for 1971-72

The National Heart Foundation is offering a number of Vacation Scholarships designed to give selected undergraduates an opportunity to participate during the long (summer) vacation in research projects broadly related to cardiovascular function and disease in progress in University Departments and certain research institutes. The Scholarships are tenable for four to eight weeks during the vacation and are valued at \$30 per week. They are open to University graduates enrolled in faculties of Medicine or Science or other faculties offering courses in the Biological Sciences. Applicants must have successfully completed at least two years of a degree course.

Applications close on 11th October, 1971.

CENTRE OF CONTINUING EDUCATION

The Centre for Continuing Education, The Australian National University, has supplied printed information about a seminar and two language courses to be conducted by the centre.

A residential seminar at the Hotel Florida, Terrigal, from 21st to 26th November will consider intensively "The Management of Innovation". The brief of the seminar will be wider than research and development; it will examine the tasks and challenges of managing innovation facing senior managers.

Intensive courses in Chinese and Japanese will be presented in Canberra from 3rd to 20th January, 1972. The Chinese (Mandarin) course will be directed by Mr. C. Kiriloff, of Canberra College of Advanced Education, and Professor E.S. Crawcour, of the Australian National University, will supervise the course in Japanese. Mr. J.W. Armstrong (Secretary's Division) holds printed material dealing with the seminar and language courses.

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

Stenographer Department of Architecture Position No. N47/71

A competent and experienced stenographer is required. Commencing salary will be up to \$55.50 per week, depending on age, qualifications and experience.

In addition efficiency allowances up to \$5.75 per week can be gained by passing speed tests at examinations.

Closing date 7th September, 1971.

Laboratory Attendant Department of Chemistry Position No. N45/71

The duties are concerned with the general servicing and other routine work associated with teaching and research laboratory activities.

Salary range: \$56.94 per week to \$62.25 per week.

Commencing salary dependent upon age, qualifications and experience. Juniors are paid according to age.

Formal qualifications in Chemistry or experience in laboratories are not essential, but applicants should have a sense of responsibility and be willing to learn.

Applications close on 6th September, 1971.

C O M I N G E V E N T S

Seminar

A Mathematics seminar will be held in Room AG 24 on Friday, 3rd September, at 2 p.m. Mr. J.A. Lambert, of the Department of Mathematics, will speak on: "Statistical Applications of Splines".

Lectures

Dr. W.P. Wood, newly appointed Lecturer in Mathematics, will give a series of lectures in Third Term on the Topic: "Random and Restricted Walks". A meeting will be held in Room AG 24 on Monday, 6th September, at 1 p.m. to arrange the times and places for these lectures.

The lectures will cover the problems of Random walk, lattice walks, walks in continuous time, spatial restrictions, correlated walks, self-avoiding walks, diffusion and Brownian motion, applications to polymer physics, astronomy, numerical analysis and solid state physics.

Visit by Poet

Professor A.D. Hope, Professor of English, School of General Studies, A.N.U.,

will visit the Department of English on the 8th and 9th September. Professor Hope, a leading modern poet and critic, will deliver a lecture on "Byron and Satire" in the Main Lecture Theatre on the 8th September at 4 p.m.

Visit by Philosopher

Professor J.A. Passmore, Professor of Philosophy at the A.N.U., will visit the university on the 14th and 15th September. Professor Passmore, who has just had a book, "Perfectibility of Man" published, will conduct a seminar and present a public lecture entitled "Man's Dominion".

Annual Union Dinner

The 11th Annual Dinner of Newcastle University Union will be held on Saturday, 18th September, beginning at 7 p.m.

The guest speaker will be Professor Leone Kramer, B.A. (Melb.), Ph.D. (Ox.), Professor of Australian Literature at the University of Sydney.

Each Union Member may bring one personal guest. Bookings for the evening may be made at the Union Office. The cost is \$3 a single and \$6 a double. Bookings close on Friday, 10th September, at 5 p.m.

Winnie the Pooh

The Faculty Wives will hold a Pooh Evening at the Staff House on Friday, 24th September. Members of staff and their wives have been invited to hear a reading from Winnie the Pooh, by A.A. Milne. Professor B. Newton-John, Professor K. Dutton, Professor A.M. Gibbs, Professor D. Biggins, Dr. N. Rutherford and Mr. J. Stowell will present the reading.

Reunion Dinner

Mrs. J. Bradbury will be guest speaker at the 19th Annual Reunion Dinner of Newcastle Girls' High School Ex-Students Union at Winns Shortland Room on Friday, 24th September. Mrs. Bradbury was Captain of the school in 1940 and has spent several years in New Guinea. Tickets for the dinner cost \$3.50 and can be obtained from Miss S. Campbell, 1 Park Road, Tighes Hill (61 1693).

Conference

The University of Newcastle Catholic Association will hold a conference on "Community" at Morpeth Conference Centre from 17th to 19th September. The cost of attendance is \$8. Arrangements to attend can be made by getting in touch with Father Larkin (Chaplains' Room), Ann Burgess, Carmen Johanson (Arts IV), Monica Dunne (Arts III), Helen Crump, Margaret Tinson, Steve Ryan (Arts II), Justine Doherty or Margaret Hill (Science II).

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

Queensland Visitor

Mr. Alan Mortimer, President of the University of Queensland Men's Sports Union, recently visited this university on a dual mission - to obtain information on the management of sporting facilities and to umpire the University of Newcastle v. Waikato University Hockey match.

Mr. Mortimer showed particular interest in the new squash courts. He said that his Sports Union had signed a contract for the construction of the first stage of a Sporting Centre and Olympic swimming pool to cost approximately \$500,000. The new development was badly needed to centralise facilities for indoor sport on the university's campus. At present the university's weightlifting, table tennis, squash, boxing and gymnastics clubs used temporary facilities located outside the campus. Information on the management of the University of Newcastle's facilities would help his Sports Union to prepare plans for the new sporting centre.

Mr. Mortimer was captain of the University of Queensland team that won the Inter-Varsity Hockey competition played in Brisbane in the vacation. Fourteen universities, including the University of Newcastle, sent teams. Queensland defeated the University of Western Australia 1-nil in the final and Mr. Mortimer scored the goal for his team.

Visiting Teams

On 26th August, a team from the university played the University of Papua and New Guinea in Rugby Union. Newcastle won 20-19.

The University of Waikato defeated a university eleven 3-1 in Hockey on the same day.

Forthcoming Fixtures

University Table Tennis Championships, Union Dining Room, Wednesday, 8th September, from 8 p.m.

Women's Hockey semi-final, B Reserve Grade, 11th September, University No. 3 plays Novos No. 3.

Cricket, Newcastle University plays University of New England at Armidale, 11th and 12th September.

Soccer, Newcastle University plays University of New England in Newcastle, 18th September.