

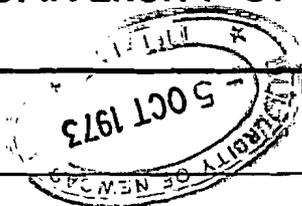
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UNIVERSITY NEWS

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

NO. 63



14TH JUNE, 1973.

DEATH OF DR. G. A. EDWARDS

It was with great regret that the University learned of the death of its Deputy Chancellor, Dr. G.A. Edwards, on 1st June after a most distressing illness.

The Anglican Church of St. John at Raymond Terrace was packed beyond capacity for the funeral on Monday, 4th June, with a considerable representation from the University, including members of the Council, the Senate, the academic and administrative staff and students led by the Chancellor, Sir Alister McMullin. The many floral tributes included those from the University, Edwards Hall, the Resident Members' Association of Edwards Hall, the Union, the Sports Union and the Engineering Departments, and there was also one from the University of New South Wales. The Warden of Edwards Hall was accompanied by several of the resident students and the Secretary-Manager of the Union was also accompanied by the Student President of the Union Board, Mr. Ron Robinson. Professor E.O. Hall, Deputy Vice-Chancellor and Mr. L.W. Harris, the Bursar, acted as pallbearers and the Vice-Chancellor gave the following address at the service in the Church:

"George Edwards touched life at many sides: and many sides are represented here today. I speak as his friend, but also as the Vice-Chancellor of the University whose interests were his constant care. Others present will know much more about many aspects of his life and career than I can ever do justice to. Death is a great leveller: to all there is a deep sense of loss at the passing of any friend or colleague, but sorrow and sympathy can be tempered with pride and even gladness as we contemplate the achievements of a full and active life in the service of his fellow men. For George Edwards, earthly life has kept back nothing that was needed for a full life, and today we think not of unfulfilled promise - we are able to thank God for performance.

"After a most distinguished career at St. John's College, George Edwards graduated from the University of Oxford with first class Honours in Chemistry. Undecided as to his future he lectured for a time at King's College, London before taking up a series of scientific appointments in industry, ultimately, as all today know, joining Courtauld's and coming, shortly after the end of the last war, on a mission to Australia, which, after considering many and various possibilities, finally chose Tomago here to be the site of its first Australian plant. For choice of site, for control of building and development, George Edwards was initially jointly responsible, but in due course he was appointed Managing Director of what was to be known as Courtauld's (Australia) Limited and became as well known in Canberra for steady pressure on the tariff board and other Commonwealth Government agencies as he ever was on the plant here at home. The Courtauld works at Tomago are one of his lasting memorials, but in his industrial life he spread his talents more widely than the home base, and there were other Companies and Organizations in which he took a leading part.

"Till the final weeks of his life, George Edwards was always full of abounding energy, and when he felt competent to maintain standards or performance never refused to accept responsibility. Thus, after many years on the Board of the Mater Hospital - after even spending considerable time in the Mater Wards - he cheerfully took on the Chairmanship as late as last year and accepted the invitation, I am told, with enthusiasm, feeling at that time a new lease of life.

"But it is of his services to the University that I personally can speak with the greatest authority. Originally a Member of the Newcastle University College Advisory Committee, through his friendship with Sir Philip Baxter, he was appointed by the University of New South Wales to our first College Council and contributed much to its work in preparing the way for autonomy. He succeeded Lyon MacLarty, of State Dockyard fame, as Chairman of the Building Committee, and when independence came was elected First Chairman of the Interim Council, empowered by Parliament to lay down the permanent legal structure of the University. In this capacity he presided over the first graduation ceremony of the new University and conferred the first degrees.

"When the permanent Council of the University was established in 1966 George Edwards was elected first Deputy Chancellor and was re-elected annually ever since; in addition, he became Chairman of the Finance and Personnel Committee of Council, the key committee, of which the Chairman of all other permanent Council Committees are also Members, and there his wise counsel and advice, his knowledge of men and institutions, of financial and of personnel problems made his services of inestimable value to me personally and to the University in general. The many papers sent to him for his comment and endorsement were always carefully perused and invariably quickly returned. Till his last and final illness overtook him he was meticulous to detail in his attention to all our requests - and they were many.

"I can legitimately infer that those same qualities which made George Edwards so valuable to the University administration had led to the success of his career in industry. The University is proud to have had his services in its formative years, to have been able to enrol him as the first of its Honorary Doctors of Science and to rejoice in the fact that he was made a member of the most excellent order of the British Empire, in part because of his services to us. In a sense George was a great planner. The Tomago plant is one example. His share in the development of the University building programme is another, and his long time membership of the Planning Committee of the mater is a third.

"In the University his name will be permanently remembered by its association with the first residential college, Edwards Hall, whose magnificent dining hall contains a distinguished portrait, by Graeme Inson, as a lasting memorial. He should also be permanently remembered by the Boar Club, established here at Raymond Terrace in part because of his financial support. I hope he was able to rejoice in the victory of our women rowers who won all events in the recent Inter-Varsity contest on the Hunter. Equally he should be commemorated in the Students' Union on whose Board he sat in the early developmental stages before it became the big business of today.

"There remains one area - of the utmost significance and of which it is presumptuous of anyone to speak - his private life. For the last seven years he fought a relentless struggle against the onset of disease. Left a widower after a very similar struggle, he found new happiness and supporting strength in the lady now left behind. But he found more than a living wife and nurse; he found a new family, and the two families, his own and her own, created a basis of happiness from which he got renewed strength to fight against the enemy which at last became a friend. Who, of those present, can forget the party he gave, such a short time ago, to commemorate the 25th anniversary of his acceptance of Australia as his permanent home. Who of those who knew him well can forget the courage with which he faced successive operations, or fail to admire the confidence he felt in his medical advisers, who prolonged his days beyond the hopes of his dearest friends. How enthusiastic in his final years was his involvement in his new home, its gardens and its swimming pool and his continuing devotion to his dog. It is not length of days, but quality of life which is important. True, George Edwards over-passed the biblical three score years and ten, but there were times, since 1965, when bystanders felt that, in his place, they would have given up, yet that did not cross his mind; and his final year was one of memorable satisfaction: honoured by the Queen; his son obviously established on a successful career; the Chairmanship of the Mater which he took up with joy; his own pride as a son when his mother reached 96 before passing on; a successful new family around him and the precious gift of a wife who, taking a risk in 1966, had achieved not one but half a dozen loving years.

"We all live as if life had a meaning, even if intellectually we find that meaning incomprehensible. In 1966, achievement seemed that hallmark of George



Edwards' life. In 1973, we couple achievement with courage. He was given great opportunities. He seized them, and when trials came he surmounted them. Here we gather at the church of his ancestors and thank God for our memories of George Edwards, for his achievements, for his courage, for his friendship and for the gaiety of his company".

M R . J . K . E L L I S J O I N S C O U N C I L

The Vice-Chancellor announced that Mr. J.K. Ellis, M.A.(Oxford), Manager, Production, Planning and Control at the B.H.P. Steelworks Newcastle, has been appointed to the Council of the University of Newcastle in succession to Mr. Brian Loton, who was recently transferred from Newcastle to Melbourne.

Mr. Ellis was a very distinguished student at the University of Western Australia, from which he obtained a Rhodes Scholarship to Oxford University, where he graduated with First Class Honours in Engineering Science and was awarded a University Blue for Athletics in three successive years of his membership of the University.

On leaving Oxford he joined Imperial Chemical Industries in the United Kingdom in 1962, and transferred to their Australian-New Zealand Company in 1965, moving on to the staff of the B.H.P. in 1967. Prior to his present appointment he was Manager of Australian Wire Ropes here in Newcastle.

The Vice-Chancellor said Mr. Ellis had published a number of scholarly papers and his combination of scientific and athletic distinction, study at both an Australian and British University and his distinctive record in Industry should make him a valuable addition to the University Council.

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

The Vice-Chancellor has announced that Dr. Brian Smith, B.A.(W.A.), Ph.D. (A.N.U.), Senior Extension Officer at the University of Western Australia, has accepted his appointment as Director of Community Programmes at the University of Newcastle.

Dr. Smith is a First Class Honours Graduate in Philosophy of the University of Western Australia, who subsequently obtained a doctorate at the National University with a thesis entitled: "An Essay on Memory with Particular Reference to the Role of Imagery". Dr. Smith came to the University as a mature age external student, who was subsequently able to undertake his Honours work on a part-time basis, having previously been a member of the British Merchant Service and held various positions in Industry. Subsequent to graduation from the A.N.U., he was a Lecturer in Philosophy for two years at the University of Queensland, when he transferred to the Extension Service of the University of Western Australia, where he has continued to act as a Tutor in the Philosophy Department at that University, whilst carrying out primarily organizational administrative duties in the Extension Department. He has also given at least one Adult Education Course every term in order to maintain contact with the teaching situation. At the University of Western Australia he has made an extensive study of the experience of all students who have entered the University under special mature age conditions over a 30 year period, and whilst on sabbatical leave in 1971-72 in Great Britain and Northern Europe, he made particular studies of the integration of the provision of Adult Education by the different controlling bodies in England and Scotland, the methods and early experience of the British Open University and the development of industrial education in several Northern England extra-mural departments. He also spent a full term at the University of Manchester studying its programme of full-time education in the Adult Education sphere.

The Extension Service of the University of Western Australia, in which Dr. Smith holds a position equivalent to that of a Senior Lecturer at this University, conducts a very wide spectrum of activities, from standard Adult Education Courses at University level, through post-graduate refresher courses in association with the teaching departments, to the organization of

conferences and seminars in association with all kinds of community organizations. Short residential schools are conducted in country areas and at the University there is an outstanding programme of music and theatrical entertainment, including also, of course, the Festival of Perth, for which the Extension Department is responsible. Dr. Smith is the author of one book in the field of Philosophy and of a number of papers in the Philosophy field and in Adult Education.

C O N T R O L B O O T H T O A S S I S T T R A F F I C M O V E M E N T

Some delays in driving on to the University site from Rankin Drive have occurred at morning peak periods recently as a result of construction works taking place on the inward lane of the road near the main entrance gates.

A control booth is being erected here which will be manned by Attendant/Patrol staff at critical times to direct visitors to the site - particularly when public functions are being held at the Great Hall, Union and Arts/Drama Theatre - and to assist in the implementation of the University's traffic and parking regulations.

When the construction of the booth is complete the two lanes of traffic access will be restored. A holding bay was provided on the University side of the booth in the original design of the road system so that no interruption would occur to traffic flow should a visitor wish to make protracted enquiries of the Attendant, or study the directory board which will be the next development in this area.

The directory board will be erected on the island strip between the inward and outward lanes of the main entrance road, fronting the holding bay, so that, when the booth is unattended, strangers to the site will be able to locate buildings and related parking areas from their cars.

A similar booth will be built about half way along the road between the Engineering Complex and the branch road to Oval No. 2, opposite the Teachers' College buildings as soon as the one at the main entrance is completed.

In approving these developments, the University Council had in mind the convenience of an ever-increasing number of visitors and newcomers to the site and the control of unauthorised vehicular use of the site which has been the cause of extensive rubbish dumping, vandalism of the natural bush areas and inconvenience to the legitimate day to day users of the site.

T R E E S O N C A M P U S

Newcastle University is very fortunate in having a site which is generally forested and considerable effort has been spent to retain as many of these trees as possible during the development of the site. Naturally, the construction of buildings, roads and underground services, makes the removal of some tree inevitable. However, the location of existing trees is taken into consideration in the siting of these facilities, and, in a number of instances, designs have been modified to avoid removing healthy trees. Even so, the vigour of trees not directly in the way of building operations is frequently adversely affected by a variety of factors such as changes to drainage patterns, soil aeration and wind exposure or by physical damage resulting from accidental impact from vehicles or equipment or from fire.

The ability of trees to adjust to the new conditions varies considerably and some species appear more sensitive to these changes than others. In an effort to maintain or recover the vigour of our trees, the Planner's Division on occasion is forced to use varying degrees of lopping which could be of concern to members of the University who are unaware of the reasons for and care taken in these operations. Tree surgery, which in other countries is an accepted horticultural tool involving a high level of skill and knowledge, is rarely practised in Australia as is evidenced by the repeated mutilation of suburban trees in streets to give clearance from overhead power lines. As a

result, the profession of tree surgery is almost non-existent and the appropriate treatment of native tree species is largely experimental.

Experience on the University site since 1965 has shown that *Eucalyptus maculata* (Spotted Gum), the dominant species in some sections of the site, is particularly susceptible to reduced soil aeration and wind damage from increased exposure. A number of trees have become seriously debilitated as a result of these factors and lopping has been used as a means of aiding the recovery of the trees. The sooner this action is taken, the greater the chance of recovery and at the completion of each building each tree affected by the building operations is carefully inspected to assess its condition and to determine whether tree surgery is necessary. It is frequently found that in its newly exposed situation with a root system perhaps reduced by service trenches or nearby excavations, it is necessary to reduce the height of the tree to avoid overturning in high winds. Dead branches may need to be removed, mistletoe cut out and trunk damage trimmed and painted with waterproofing compound.

Fortunately, Eucalypts have numerous dormant epicormic buds which enable them to produce new growth shoots after heavy lopping or bush fires and it has been found that in order to overcome the suppression of lateral growth by the lead shoots, general lopping is more effective than the selective removal of branches. In severe cases of debilitation, it has been found that copicing is the most effective method. The tree is cut approximately 6" above the ground and new suckers are produced from the base of the stem. The growth rate of such suckers is frequently rapid because of the extensive root system and it is interesting to note that many of the native trees on the campus show evidence of such treatment many years ago when the area was cut over for pit props. In some cases trees have been pollarded when severely debilitated but this is not considered a permanent solution to the problem.

The responses to these treatments vary and while the existing trees on the site provide the major environmental impact, their preservation is well worthwhile. In the long term, the preservation of young saplings and smaller trees is even more important, while the planting of new trees is equally so. Both these aspects are receiving appropriate emphasis as, for example, the group of young *Eucalyptus punctata* (grey gum) at the south east corner of the Engineering Building 'A' illustrates. Approximately 400 trees were planted during the last growing season and similar plantings are planned for next spring.

The care and maintenance of the trees is the responsibility of Mr. D. Morris, Deputy University Planner, who will be pleased to discuss any aspects of this work with any member of the University interested.

T E R M A D D R E S S

A number of students have not notified the University of their current term addresses.

Students are responsible for notifying the Student Administration Office in writing of any change in their address as soon as possible.

Failure to do this could lead to important correspondence or course information not reaching the student. The University cannot accept responsibility if official communications fail to reach a student who has not notified the Student Administration Office of a change of address.

It would be appreciated if those students who have not informed the University of their current term addresses would do so immediately. A form for this purpose is available from the Student Administration Office.

The University does not disclose any information on students, including addresses, to bodies or organisations outside the University without the consent of the student concerned.

R O L E S I N L E A R A L L O T T E D

The three leading female roles in Edward Bond's *Lear* will be played by Sue Dimond, Dorothy Walsh and Sue Sussman.

Lear's two daughters, Fontanelle, who is pretty but brainless, and Bodice, intelligent but over-ambitious, differ from Goneril and Regan of Shakespeare's *King Lear* in that they are represented as potentially innocent victims of the corrupted and corrupting king. Lear's "spiritual" daughter, Cordelia (played by Sue Sussmann) finally makes the same mistakes as Lear, and destroys the society she has tried to create.

Lear will be presented by the Edwards Hall Resident Members' Association in the Drama Theatre on Thursday, 12th July, and Saturday 14th July, at 8 p.m., 14th July at 2 p.m. and Sunday, 15th July, at 6.30 p.m. Bookings can be made at the Edwards Hall Office.

F I L M S O F R E N O I R A N D G O D A R D

The work of major film directors, Frenchmen, Jean Renoir and Jean-Luc Godard, will open the programme of films which the Department of English and the Department of Community Programmes will screen this term.

Screenings by the Department of English will be in the Arts/Drama Theatre, beginning at noon.

The Department of Community Programmes will afford members of the public the opportunity to see the films by screening them at 7.30 at night. Initially, these screenings will be in the Physics Lecture Theatre.

On 21st June Renoir's *Le Carrosse D'Or* (1952, 98 minutes) will be shown. An enchanting yet sophisticated fairy tale, this film plays continually upon the contrast between reality and the theatre. Though measured and elegant, it has a human quality; passions are aroused; people live and suffer.

On 5th July, *A Bout De Souffle*, made by Godard in 1960, will be screened. Superficially a routine thriller, the film explores the terrifying indifference to human values of today's youth, torn between the Christian concept of a relative human existence and the modern worship of the individual.

R E P O R T S O N S T U D Y L E A V E

Mr. L.W.B. Browne, of the Department of Mechanical Engineering, reported to the University Council that he spent his study leave from January to December, 1972, at the Warren Spring Laboratory, Stevenage, Hertfordshire, England. He had concerned himself with undertaking research with the Air Pollution field. He produced an operable and tested computer programme for the solving of such problems as the movement of smoke from a chimney close to a building. In addition, he investigated such questions as the optimum location of chimneys in relation to buildings and the development of lasers for remote measurement of gas velocities. Mr. Browne visited the Harwell Atomic Energy Plant and the R.A.F. establishment at Bedford and gave a lecture at Cambridge University.

Professor A.D. Tweedie, of the Department of Geography, revealed that he spent from July last year to January in Canada, the United Kingdom and the United States. First he attended a Water Resources Symposium in Victoria, British Columbia, conducted by the International Geographical Union, and the Union's 22nd Congress in Montreal. He then flew to the United Kingdom where he discussed, among other things, texts to which he had been invited to contribute. From September to January Professor Tweedie was based in Los Angeles, where he was attached to California State University, Northridge, as a Visiting Lecturer. While he was not teaching he undertook library research into and field studies of the problems of water organisation and

allocation in Southern California. He also spoke on his research interests to seminar groups at Riverside and Los Angeles campuses of the University of California.

Mr. J. Roberts, of the Department of Chemical Engineering, was away from Newcastle for a year beginning in December, 1971 and was employed for that time by I.C.I. at its Liquid Effluent Research Laboratory in Brixham, Devon. The laboratory devoted three-quarters of its annual budget to applied research in connection with I.C.I. factory problems and a quarter to external consultancy. Brixham's principal activities included water sampling, hydrographic surveys, biological surveys and works site surveys. A major work done by Mr. Roberts and another Chemical engineer was assessing the performance of 20 pilot units biologically treating domestic/industrial effluent. He also inspected seven universities and 11 Departments while travelling in the U.K. and abroad.

Professor R.G. Keats, of the Department of Mathematics, was away from Australia for six months ending last March on study leave which he spent visiting more than 20 universities in the U.S. and the U.K., the Stanford Research Institute, the Naval Under Sea Research and Development Centre in the U.S. and the Royal Aircraft Establishment in the U.K. He said he accomplished his aims of discussing current research in Information Theory, visiting the University of Waterloo, which possesses a Faculty of Mathematics with similar objects as the Faculty of Mathematics at Newcastle, and visiting other universities to meet people whom he had previously known only by name and to discuss post-graduate courses in Mathematics. During his leave he conferred with a number of people working in Signal Processing; some of these visits were sponsored by the Department of Supply. Professor Keats said he was surprised at the number of people overseas who claimed to have never heard of Newcastle, Australia. He endeavoured to correct this ignorance wherever it came to his notice and, at Farnborough, spoke to the local Rotary Club on "Newcastle, Australia".

Mr. D.J. McKee, of the Department of Commerce, reported to the Council on his study leave of one year (ending December last year) mainly spent as Lecturer in Finance in the Division of Economic Studies at the University of Sheffield. His duties consisted of graduate and undergraduate teaching in the areas of Financial Management and Accounting Information. He had the opportunity to witness at first hand the teaching and administration of Accounting, Economics and related subjects at an English University. Sheffield has one of the U.K.'s major financial schools and Mr. McKee was also able to further his research interests. He attended an annual Conference of the Association of University Teachers of Accounting at the University of Manchester and visited four British Universities.

Mr. P.G. Irwin, of the Department of Geography, visited Indonesia, West Malaysia, Thailand and India to study inter-tropical environments before spending 10 months in the Department of Geography at the University of Hull, where he worked with and held discussions with members of the Centre for South-East Asian Studies. He undertook fieldwork in connection with manufacturing geography, attended postgraduate seminars, presented papers on his research interests relating to Papua-New Guinea, and read about the effects of the introduction of cash-cropping into a subsistence gardening economy. On the return trip Mr. Irwin called at the University of Boulder and the University of Springfield in the U.S. and carried out field studies in the Hawaiian and Fijian Islands.

Dr. B.J. Fraser, of the Department of Physics, completed a year's study leave last February. He was attached, while overseas, to the Cooperative Institute for Research in Environmental Sciences at Boulder, Colorado, and made visits to London, Paris, Edmonton (Canada) and Warsaw, Poland, as well as various Universities in the U.S. Boulder is a major centre for the advancement of Atmospheric and Space Physics; consequently, Dr. Fraser had the opportunity to meet prominent scientists and attend lectures and seminars dealing with the upper atmosphere. Papers on his research into Pcl geomagnetic micropulsations were presented at seminars in Boulder and at conferences in the U.S., Canada and Poland. He also attended a number of meetings and conferred with certain geophysicists.

L A B O U R C L U B M E E T I N G

The University of Newcastle Labour Club will hold a meeting next Tuesday, 19th July, in the Union at 1 p.m. Interested persons should watch the Notice Board for further details. Business will include speakers for meetings this year and a discussion of the events at the A.L.P. State Congress just concluded.

B A R B E Q U E F O R C I V I L L I B E R T I E S

The Council for Civil Liberties will hold a barbeque on Sunday, 8th July, beginning at midday in Professor Tanner's garden, 79 Wolfe Street, Newcastle. Those attending should bring their own liquor, meat, drink and utensils. The Council will supply bread, salad, fire and ice. The donation is \$1 (children free). Everybody is welcome. R.S.V.P., if possible, to Mr. Chris Enright, of the Department of Legal Studies.

G E R M A N P L A Y S

The German Club of the University will present two plays in the Arts/Drama Theatre on 29th and 30th June at 8 p.m. The plays are *Zimmerschlacht (Lounge Room Battle)*, by Martin Walser, and *Die Schlimmen Buben in der Schule (The Bad Boys at School)*, by Johann N. Nestroy.

Tickets, which cost \$1 and 75 cents for students, are available from the German Department. Family tickets cost \$2.50 and group bookings five tickets for the price of four.

Zimmerschlacht is a grotesque comic tragedy on the eternal strife of husband and wife. A quarrel about a party the husband did not want to attend still lingers on 15 years later. The truth is nowhere to be found between make belief and misunderstanding. *Die Schlimmen Buben in der Schule* is a hilarious farce with a lot of slapstick action. At the end of the day at school the worst pupil is given the school medal.

C O M M U N I T Y T O S H A R E I N C O N F E R E N C E

"People and Planning in the Hunter Region" is the title of a public conference being organised by the Department of Community Programmes and the National Trust of Australia.

The conference will be held in Lecture Theatre B01 on 30th June from 10 a.m. to 5 p.m. A spokesman for the organisers said public participation in planning was often restricted to the lodging of objections after the plans are exhibited. The conference was an opportunity for the public to participate in the planning of the Hunter Region before the official plans were formulated.

A feature would be the opportunity that would be afforded to community organisations and individuals to make statements about planning and its administration. The organisers were endeavouring to obtain feedback from the community. Accordingly the afternoon had been allotted to submissions and general discussion.

Speakers are: Mr. G. Andrews, Assistant Chief Planner, State Planning Authority of N.S.W.; Professor K.W. Robinson, of the Department of Geography; Mr. J. Dorman, President, National Parks Association and Dr. G. McCalden, Assistant Director of Research, Hunter Valley Research Foundation.

The conference fee is \$1 and a buffet lunch will be available at the University Union for \$2.

GRANT TO RESEARCHER

A grant of £3,850 (Sterling) has been made to Assoc. Professor K. Collis, of the Department of Education, by the Social Sciences Research Council of Great Britain to assist him with the extension of his research into the development of the modes of thinking of children and adolescents. Professor Collis will do this work at Nottingham University next year.

TALK ON FRENCH POLITICS

The next meeting of the Australian Institute of International Affairs, Newcastle Group, will be addressed by Professor Ken Dutton, Professor of French and Dean of the Faculty of Arts at the University, who has just returned from study leave in France. His topic will be, "Radical Politics in France Today". The meeting will be held at the W.E.A. Rooms, 63 Union Street, Newcastle, on Thursday, 5th July, at 8 p.m.

BRIDGE SESSIONS IN UNION

The Union will be the venue of the first Newcastle Bridge Congress on 25th and 26th August. Players will compete for the Hunter Pairs Championship, valued at \$100 (first prize) plus trophy, \$60 (second prize) and \$30 (third prize).

The entry fee is \$15 per player. This includes the cost of meals. The closing date for entries is 10th August and for single room accommodation in Edwards Hall 1st July. The congress will be staged by Newcastle Bridge Club.

ANNUAL UNION DINNER

The 13th Annual Dinner of Newcastle University Union will be held on Saturday, 23rd June, beginning at 7 p.m. The Guest Speaker will be Journalist, Mr. Francis James.

Every Union Member may bring one personal guest if desired. Bookings for the evening may be made at the Union Office. Tickets cost Union Members \$3 and Non-Members \$4. Bookings close on Friday, 15th June.

STAFF APPOINTMENTS

Miss E. Buscombe has begun duties as Tutor in History. Miss Buscombe holds a M.A. degree in the Australian National University and was a teacher with the N.S.W. Education Department before joining the university's staff.

Miss E.M. McEwen has taken up her appointment as Tutor in History. She holds a Bachelor of Arts degree with honours in the University of Adelaide.

Dr. F. Chao-Pang Huang has joined the University's staff as a Computer Programmer attached to the Computer Centre. Dr. Huang holds a B.Sc. degree in the University of Taiwan and a Ph.D. degree in the Australian National University. Before joining this university he was a Research Officer at the Australian National University.

Dr. B.A. Conroy has begun duties as Lecturer in Biological Sciences. Previously employed by Queensland Institute of Technology, he holds a B.Sc. degree with honours and a Ph.D. degree in the University of Sydney.

Mr. T. Pengelly has taken up his appointment as Custodian. He is usually to be found in the Arts/Drama Theatre. Mr. Pengelly has had considerable experience backstage building sets and doing other tasks at the Hunter Theatre and for Newcastle New Theatre.

PUBLIC CAN ATTEND LECTURES

Lectures dealing with Fine Arts have resumed in the Faculty of Architecture and the Lecturer (Dr. N. Clouten) has invited members of the public to attend for the remainder of this term. He said the invitation applied to the lectures given from Thursday, 28th June, which would be held in Room 101 from 2.15 to 3.30 p.m. One famous artist, and his paintings, are considered every week.

FORMER STUDENT GETS CHAIR

Dr. Alexander Marshall Clarke, a former student of Newcastle University College, has taken up his appointment as Professor of Psychology at Wollongong University College.

Professor Clarke was born in Sydney and holds the degrees of Bachelor of Arts with first-class honours in the University of N.S.W. (1963) and Doctor of Philosophy in the Australian National University. Immediately prior to his appointment he was Associate Professor in Psychology in the School of Behavioural Sciences, Macquarie University.

VISITOR WITH MATHEMATICS

Dr. M. Altman is a Visiting Professor attached to the Department of Mathematics for Second Term.

Professor R.G. Keats, of the Department, said Professor Altman was a distinguished functional analyst now at Louisiana State University and formerly at the Polish Academy of Sciences. His work was internationally respected, both for its usefulness and the depth it contributed to basic concepts in Pure Mathematics.

Professor Altman will give a series of lectures this term in Room 218 of the Library Annex on Wednesdays and Thursdays at 1 p.m. and Fridays at 9 a.m. His subject will be "The Theory of Contractors". Professor Keats said this theory was just now coming to the fore in Professor Altman's hands and was expected to replace much of what is now popular under the terms of non-linear analysis, or "topological analysis". The material was basic modern Numerical Analysis. This topic would be available for credit for students in Mathematics IV.

SCHOLARSHIPS, FELLOWSHIPS

The Assistant Secretary to the University has further information about the following scholarships and awards:

	Closing date
Gowrie Post-graduate Research travelling Scholarships (\$2,500 a year) available to members, and children, of the Forces for research study overseas	31st October
South Australian Government Scholarships for post-graduate studies in Transport, tenable at tertiary institutions in Adelaide	31st October
Fellowships tenable at the Institute of Education, University of London, in 1974/75 for men or women (30 to 45) with not less than 5 years' experience in teaching	31st July

The Australian National University's post-graduate course in agricultural development economics - January, 1974 to March, 1975 - leading to a Master's degree	31st August
Saionji-Hamersley Scholarship for 12 months' study by an Australian university graduate in an unrestricted field at a Japanese university	6th July
Australia-Japan Business Cooperation Committee Scholarship for 12 months' study by a graduate in a course of Japanese studies in Japan	6th July
The IFUW Ida Smedley MacLean International Fellowship - the CFUW A.Vibert Douglas International Fellowship - a number of grants from the Winifred Cullis Fund - a number of grants from the Dorothy Leet Fund, all available to women graduates who are members of associations of University women	1st December

EVENING OF INTERACTION

A seminar-cum-social evening was held by the Department of Legal Studies in the Staff House on Thursday night, 31st May, at which 27 members of the Newcastle Law Society attended.

Papers were presented by Professor K.E. Lindgres on some current developments in legal education and by Mr. C.S. Enright on the concept of a neighbourhood legal service for Newcastle. Those present seemed to consider this contact between academic and practising lawyers fruitful and worth repeating.

APPOINTMENT OF JESTER

Mr. David Wood has been appointed the first Jester of the University.

The appointment was made by the Students' Representative Council following the recent advertisement for a jester "to amuse students and the like, with whatever resources he can beg, borrow or rip off".

Mr. Wood, who is a former student of Newcastle Art School, plays folk guitar and is an aspiring composer. He will be paid a small expense allowance.

LOCAL HISTORY ADDRESS

Dr. Alan Rogers will talk on "The approach to local history" in Room LG 56 on Thursday, 21st June, at 4 p.m. The talk will be under the auspices of the History Department.

Dr. Rogers is a member of the Adult Education Department of the University of Nottingham, where he specialises in Local History. He has an expert knowledge of several countries and cities and has published extensively. He is interested in the use of local history in school, university and extension teaching and is examining these developments during his visit to Australia.

SEMINAR BY VISITING PROFESSOR

A seminar for members of staff, post-graduate students and Honours students will be held on Tuesday, 19th June, in the Economics Conference Room (203, Social Sciences Building) at 2 p.m.

The speaker will be Professor Jack L. Knetsch and his topic is "Recreation Demand and Values".

Professor Knetsch is a graduate of Michigan State and Harvard Universities. From 1956-61 he was an economist with the Tennessee Valley Authority; from 1961-66 he was a research associate with Resources for the Future Inc.; from 1967-70 he was Professor of Economics and Director of the Natural Resources Policy Centre at The George Washington University. He has spent a year in the President's Council of Environmental Quality as senior economist. More recently, he was an adviser to the Malaya Project of the Harvard University Development Advisory Service.

Professor Knetsch has written extensively on environmental matters and is visiting Newcastle for six months at the invitation of the Board of Environmental Studies.

NEW SECRETARY OF STUDENTS' ASSOC. WANTED

Nominations close on 18th June for the election of Secretary of the University of Newcastle Students' Association. The position is vacant owing to the resignation of Miss Pam Freeland.

If there are more than one nominee and students are required to cast votes to fill the vacancy, then elections will be held at the S.R.C. Office on 19th, 20th, 21st and 22nd June, between 9.30 a.m. and 6.15 p.m.

UNIVERSITY CHOSEN FOR CONVENTION

The Australian Society of Dairy Technology will hold its 11th Biennial Convention at the University from 17th-19th August, 1973. The Convention will be opened by the Minister for Agriculture (Mr. Crawford).

The theme for the Convention will be "How Can a Better Image be Projected for the Products of the Dairy Industry". Topics to be discussed include "The Need for Research, Production and Marketing to Work Closely Together in the Development of New Products"; "Packaging and Presentation and its Influence on Impulse Buying".

Persons interested in attending the Convention are invited to direct their inquiries to the Secretary, Hunter Valley Section, Australian Society of Dairy Technology, Box 88, Post Office, Hexham. N.S.W. 2322 Telephone, business 64 8131, Private 87 2519.

LATE NIGHT BUSINESS

A spokesman for the Students' Association stated that the S.R.C. Office remained open until 7 p.m. on Wednesdays to assist part-time students who wanted concession cards or information.

STUDENT PLAYERS' NEW PRODUCTION

The Student Players is making plans for its second production this year - "Blithe Spirit", by the late Noel Coward. Rehearsals are arranged, and the Arts/Drama Theatre has been booked for performances on the nights of 4th, 5th and 7th July.

The main characters and the players: Charles (Geoff Sheldon), Ruth (Gaby O'Connor), Elvira (Dianne Gatgens), Madam Arcati (Margaret Raszeja), Dr. Bradman (Richard Webber), Mrs. Bradman (Debbie Sander) and Edith (Joan Childs).

Margaret Raszeja is the play's Producer-Director.

A I M S O F N E W P A N E L

The Expert Panel in Generalist Qualifications is now in a position to receive and process applications for assessment.

This body provides assessments, primarily for employment purposes, of persons who obtained tertiary educational qualifications outside Australia.

The panel's assessments:

- * are designed to cater for tertiary level qualifications in generalist fields of studies (e.g., Arts, Economics, General Science); qualifications in specific occupational fields should be referred to existing assessment authorities:
- * are provided to the actual holder of the qualifications (employers or other interested parties may direct enquiries on overseas generalist qualifications to the Department of Education, Box 826, Post Office, Woden, ACT. 2606;
- * do not in any way entitle the holder to enrolment at Australian universities or other educational institutions.

Correspondence dealing with this question should be addressed to: The Secretary, Expert Panel in Generalist Qualifications, Box 1407, Post Office, Canberra. ACT. 2601

It is expected that this service will assist those persons whose tertiary qualifications are unfamiliar in Australia and who are consequently at a disadvantage in seeking employment in fields where tertiary qualifications of a generalist kind are considered desirable or essential.

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

TYPING: All categories of typing, including stencils, correspondence, reports, invoices, envelopes, tables and theses. Rates, theses - 40 cents per finished page (1 original + 3 copies), draft - \$2 per hour, other categories - \$2 per hour. Write to K.M. Wiffler, 27 Troman Parade, Raymond Terrace. 2324

FOR SALE: Two full-size folding table tennis tables, as new condition. For inspection call at the Hall Office, Edwards Hall. Reasonable offers to Dr. M.W. Blackmore, Warden, Edwards Hall.

FOR SALE: Holden 1967 HR, Turquoise; fine vehicle, kept in excellent condition by retired gentleman, 6 months registration, 51,000 miles, good tyres, mechanically A1 with perfect body and upholstery; inspection this weekend, 19 Portland Place, New Lambton, or ring Paul Kavanagh, Ext. 377; \$1,150.

FOR SALE: 1961 Morris Major sedan, good tyres, good mechanically, \$360 or nearest offer; ring 57 5031.

HOUSE FOR RENT: From mid-August, 1973, to mid-February, 1974, well appointed three-bedroom home, with study and spacious living areas, fully furnished, oil heating, all modern conveniences, double garage. Delightful position at Merewether Heights, 'phone 63 2919.

HOUSE REQUIRED: An oversea academic, who is due to arrive this week to begin six-months as a Visiting Professor in Commerce, is looking for a fully furnished home which he and his wife can lease for the period of his stay in Newcastle. People who can help should ring Professor Jager (Ext. 735) or Mr. L. Entrekin (Ext. 698).

WANTED TO RENT: 3-4 bedroom house for Professor and family, from early July - for at least six months. Contact Professor L. Short (Ext. 219).

FOR SALE: Virgin G8 tyre, suit VW TL, \$10, 'phone Mrs. Carter, Ext. 303.

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

Office Assistant/Typist University Library Position No. N79/73

This position would suit a young lady more interested in office-type work. The ability to type would be an advantage. Commencing salary will be up to \$72.82 per week, depending upon age, qualifications and experience. An efficiency allowance of up to \$2.49 per week can be gained by passing speed tests at examinations conducted by the University.

Stores Officer Accountant's Department Position No. N80/73

This position would suit a strong energetic man with a background in stores and similar work. Duties include receiving, storing and issuing a variety of goods and equipment, deliveries to various departments, and similar work. Applicants must hold a "C" class drivers licence. A salary in the range \$70.36 to \$72.68 per week will be paid. These rates are under review.

Applications close on 25th June, 1973.

Laboratory Assistant Department of Mechanical Engineering Position No. N82/73

Temporary employment is available for one year with the possibility of a further extension of twelve months.

The successful applicant will be required to assist with work in the general area of Air Pollution. Duties will include assisting in a Mobile Air Pollution Laboratory, and with other laboratory work related to research projects.

Applicants must have completed an appropriate Technical College Certificate or other qualifications deemed by the University to be appropriate.

Commencing salary will be within the range \$4,435 - \$5,719 per annum, depending upon qualifications and experience.

Further details of the nature of the work can be obtained from Professor A.J. Carmichael, 'phone 68 5528.

Applications close on 25th June, 1973.

Stenographer Department of Geography Position No. N81/73

A competent and experienced stenographer is required. Applicants should have typing and shorthand speeds of at least 50 and 100 words per minute respectively.

The commencing salary will be up to \$75.37 per week, depending upon age, qualifications and experience. In addition, efficiency allowances of up to \$7.48 per week can be gained by passing speed tests at examinations. There are prospects of advancement to a salary of \$82.98 per week.

Applications close on 25th June, 1972.

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

O N E - D A Y S P I R I T U A L R E T R E A T

If you feel the need for a day of relaxed meditation on spiritual matters, then perhaps you would like to come to the One-Day Spiritual Retreat, to be held on Saturday, 23rd June, at 7 Tumut Street, Dudley. The Retreat will start at 10 a.m. and finish at 5 p.m. Everybody will be welcome. There is no charge, but bring your own food. If you are interested, please contact Fr. Bill at The Chaplains' Office, or 'phone 67 1187.

A U S T R A L I A N S O V E R S E A S

Australian Volunteers Abroad started in 1964 when 13 volunteers worked in New Guinea, the Solomon Islands, Nigeria and Tanzania. A.V.A. has now placed overseas several hundred Australians with a wide variety of skills. Volunteers have gone to Papua-New Guinea, the Pacific Islands, Asia and Africa.

Students interested in becoming members of the service should contact the Appointments Office (Room T04) to make an appointment to talk to a Field Officer, who will visit the University on Monday, 23rd July. Printed literature is also available at the Appointments Office.

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

Rugby - The University of Newcastle was represented by Robert Wilkinson in the two Rugby Tests played between Combined Universities of New Zealand and Australia in Canberra and Brisbane recently. He also played for Newcastle-Macquarie-New South Wales Universities against the Kiwis.

New Zealand won the first test 65-4 and the second test. The team was one of the strongest to ever visit Australia, losing only once (against the University of Sydney). Dick de Tozer and Jim Hall, of the University of Newcastle, were reserves for the First Test and de Tozer was a reserve for the Second Test.

Sporting Facilities

University News has been given a report of the progress being made with the provision of new sporting facilities adjacent to the Sports Pavilion. Contractors from Sydney are working on the final phases of the new tennis court. The Grasstex surface material has been installed and the court should be ready for play in the near future. Work on the construction of the new Basketball-Volleyball court has also well advanced, but some attention still has to be given to the backboards and the area has to be marked to allow volleyball to be played. It is anticipated that the project will be completed in the next few weeks. The golf putting green will be available for use in about a week. The Pavilion Office has putters and balls which will be loaned free.

Pastimes and Diversions - The Second Term time-table for Non-competitive Pastimes and Diversions is as follows:- Pottery, Mondays, 6-8 p.m., Tuesdays and Thursdays, 7-9 p.m., Metallurgy Building (before attending new participants should contact the Amenities Office to find out if there are vacancies); Keep-Fit Classes, Wednesdays, 7-8 p.m., Union Common Room; Copperwork and Leatherwork, Wednesdays, 8-10 p.m., Union Common Room; Yoga, Thursdays, 6.30-7.30 p.m., Union Common Room.

Cricket Club

The University's Cricket Club will hold its Annual Presentation Dinner in the Supper Room, City Hall on the night of Wednesday, 4th July. Tickets cost \$9 a double and \$5 a single and can be obtained by contacting Bruce Cruicks on 57 4397. The annual general meeting will be held in the Union on Friday, 13th July. A fund-raising dinner will be held in the Council room on 20th July.

Fishing Excursion

There will be another deepsea fishing excursion on Saturday, 30th June. A hired trawler will leave Carrington at noon and, after several hours' fishing, will return to Newcastle at tea time. The cost is \$4 a fisherman and bookings can be made by ringing Mr. L. McLardy, Extension 662.

Accessories - The Pavilion Office has a good stock of University ties, cricket caps, track suits and sweat shirts. Fashionable broad ties have been ordered and will be on sale soon. The cricket caps are a new style and sell for \$2 to students who are members of the cricket club and \$2.50 to other cricketers.

C H I L D C A R E F A C I L I T I E S

As a result of a general meeting in lecture theatre B01, a committee was appointed to examine the need for child care facilities on the university campus.

The committee has now met on four occasions. It agrees that there is a definite need for child-care facilities on the campus, and has taken steps to ascertain whether financial assistance is available for this purpose.

In reply to a request for information, the Federal Minister for Education (Mr. Beazley) replied:

"Under the Child Care Act (1972) unmatched grants may be made directly to eligible and approved non-profit making organisations ... for centres which provide full day care and give priority of admission to children in special need. Recurrent grants are available in respect of qualified staff and children in special need while capital grants are available for approved equipment, for the purchase of land and the construction of new centres and/or the modification of existing buildings".

In short, the Federal Government is willing to consider:

- purchasing land,
- constructing buildings,
- providing some equipment, and
- meeting at least part of qualified staff salaries.

It is apparent, however, that certain conditions must be met if an application for assistance is to receive sympathetic consideration. Firstly, the centre must be open at least for eight hours each day, say 9 a.m. to 5 p.m.; secondly, it must be a community child care centre, open to all children in the district and not only those connected with university students and staff; and, thirdly, children "in special need" must be given priority.

Special need is defined as:

- * one parent families,
- * migrant families in which either parent is in the first three years of permanent settlement in Australia,
- * families where one of the parents is sick or incapacitated,
- * families eligible for or receiving assistance under the Commonwealth's Subsidised Health Benefits Scheme.

A fourth qualification relates to the programme envisaged: it is essential to provide an educational programme for the older children, in addition to providing child minding facilities for the younger children.

To this extent, it is obvious that our original concept of a child care centre on the university campus might need to be modified. In particular, the committee has now to consider the desirability of locating the centre off the campus, but as near as possible to the university entrance; and to plan for a larger centre than at first envisaged.

Application forms for child care grants have been obtained and the committee is seeking information for inclusion in the application.

Question 12 of the application form reads: "Please attach report indicating and supporting your evidence of the extent of the need for the new ... child care facilities which are the subject of this application. It would be helpful if the report stated how this evidence was determined and by whom".

In order to obtain reliable information, the committee seeks answers to the following questions. It would be appreciated if those concerned would provide answers to the attached questionnaire, and return the form as quickly as possible.

E.J. BRAGGETT,
Chairman, Child Care Committee.

UNIVERSITY OF NEWCASTLE

CHILD CARE FACILITIES

SURVEY

The following information is sought from parents who would send their children to a licensed child care centre on the university campus or to one located close to the university entrance. Qualified staff would be in attendance.

1. Would you send your child/children to a licensed child care centre located on the university campus or close to the university entrance?

2. How many of your children would attend this child care centre during 1974?

3. During 1974 the age/s of the child/children would be: (a) under 1 year of age (b) 1 year and under 2 years (c) 2 years and under 3 years (d) 3 to 5 years of age } Please tick for each child concerned.

4. How often would each child attend the centre?

Regularly

(a) each day full-time (full-time could be 9 a.m. to 3 p.m. or 9 a.m. to 5 p.m.)
(b) each day part-time
(c) 2 or 3 full days each week
(d) 1 full day each week
(e) 2 or 3 half days each week
(f) 1 half day each week

Irregularly

(g) scattered hours throughout the week (please specify)
(h) other (please specify)

Signed

NAME (printed)

Address

.....

Completed forms may be: (a) returned to Mr. E. Braggett (Department of Education, Administration Building, Room 109); (b) placed in a box provided at the Circulation Desk of the University Library; (c) placed in a box provided in the S.R.C. Office; (d) mailed to Mr. E. Braggett, Department of Education, University of Newcastle. 2308.

Your assistance is urgently sought in this matter.

E.J. Braggett,
Chairman, Child Care Facilities.