The Premier and Treasurer of New South Wales, The Honourable R. W. Askin, M.L.A., on 5 June 1970 opened the Central Engineering Building, the first of three planned stages of development of the Engineering Complex. Mr. J. A. Church, B.Com.(N.S.W.), M.E., B.T.C., the Chairman of Newcastle Division of the Institution of Engineers of Australia, announced at the opening that the Institution proposed to develop the Engineering Courtyard in honour of the late Brigadier J. M. C. Corlette, C.M.G., D.S.O., V.D., Chev. Legion d'Honneur, B.E.(Syd.), M.I.E. Aust., Hon. M.I.E. Aust., F.A.P.I. The Engineering Fraternity has erected a plaque commemorative of Brigadier Corlette in the courtyard. It was unveiled by the Dean, Professor Henderson, in the presence of the Vice-Chancellor and other guests on Wednesday, June 10.

Engineering students on June 8 celebrated their transfer from Tighe's Hill to the Shortland campus by staging a mock funeral procession consisting of about 100 students in some 60 cars. The procession moved with police escort from Tighe's Hill to Shortland where the cardboard coffin, inscribed "Tighe's Hill, R.I.P.", was borne through University buildings before being cremated in the Union Courtyard.

The Mock Funeral Procession

By courtesy of Professor B. Newton-John.
ENHANCED AUCKLAND, and staff three nominees of the Council of The University of Newcastle.

One in which a university in a particular area may properly accept a central responsibility for organization, distribution, marketing, personnel and management.

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The Vice-Chancellor of The University of Newcastle; at least one Member elected by Members of Council; at least two nominees of the Senate of The University of Newcastle and at least three nominees of the Council of The University of Newcastle.

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TUNRA Ltd is not permitted to distribute to its members by way of dividends or otherwise any of the assets or income of the Company, but is authorized to make donations and gifts to the University of Newcastle.

The employment of Dartmoor Industries on the one hand and the universities on the other. The professional orientation of many university courses tend to offer special demands upon the academic staff. Not only is the Company engaged in intellectual activity in their particular field of expertise, but that many of them also have a continuing professional involvement with the profession which many of their graduates will subsequently enter. Enhanced facilities for teaching and research, the Company can effectively influence the professional orientation of many university courses.

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Development greater efficiency and hence greater economy and this will undoubtedly differ in utilizing Youth Hostel and similar economical accommodation, their families. All members of the University of Newcastle pass a supply. Distillation technology has the advantage of providing "convenient" heat for the evaporation of the required, GRADABOUT will help with Kobe - Beppu (Kyushu Island) for drinking water for stock where at present only comparable with that in the U.S.A. or the U.K., nor would it be manufacturing capability in the short term. There is, however, a need for work on smaller-sized plant suitable for isolated mining and many other remote situations in this dry country. Suitability for large scale operation, particularly in conjunction evidently bear fruit. In the distillation field most of the work is aimed at and negative ions under the influence of an electric potential, leaving the water to pass between them and have its salt content reduced as it does so. Finally, there is a purely chemical process of ion exchange in which the positive and negative ions of the salts are removed by substitution.

The above are the main processes currently used for desalination. Of them all, the process with the most scope for future improvement is probably reverse osmosis. It is simple and applicable to all saline. So far, it has proved to be less economical than distillation where large quantities of water are required from sea water or other heavily salted supply. Distillation technology has the advantage of about two centuries of evolution, whereas the membrane processes are of quite recent origin. Consequently, distillation is by far the most used process, accounting for about 96% of all desalination in the world, and it is likely to continue to be used in the future, because of its suitability for large scale operation, particularly in conjunction with power stations. For instance, there are already in existence individual reverse osmosis units producing drinking water and saving heat and water and planning is proceeding for plants of 100,000,000 gallons per day capacity.

There is a vast amount of research under way on all fronts, aimed at greater efficiency and hence greater economy and this will undoubtedly bear fruit. In the distillation field most of the work is aimed at improving the large distillation plants and involves expenditure of millions of dollars annually.

How does all this affect Australia? Australia is the driest continent in the world and obviously we should be interested in anything that relates to water. A great deal, is of course, being done in relation to water conservation and management and not much in the area of desalination. We could scarcely warrant a research effort comparable with that of the U.S.A. or the U.K., nor would it be appropriate since there is little prospect of our having the requisite manufacturing capability in the short term. There is, however, a need for work on smaller-sized plants suitable for isolated mining communities, for drinking water for stock where at present only salty bore water exists, for homesteads in similar locations, and for many other possible remote or special situations. It is in this area that work is being done in the Department of Mechanical Engineering. The membrane distillation process is under study. Salt water is fed into a metal heat transfer surface, where most of it evaporates, leaving behind brine which is drained off.
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FUTURE GRADABOUTS

The schemes described on this page are pilot schemes. The A.U.G.C. hopes that GRADABOUT will expand to offer a wide selection of travel possibilities to meet graduate requirements. In order to assist in planning future GRADABOUTS a survey of graduate travel interests is being conducted. Your co-operation in promptly filling in and returning the questionnaire when it is sent to you will greatly assist in the design of next year’s programmes.

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GRADABOUT UNIVERSITY STAFF

Professor J. C. De Castro Lopo commenced duty in May as Lecturer in Economics. Mr. De Castro Lopo is a Master of Arts in the University of New England and previously a Senior Tutor in Economics in the University of Western Australia.

Mr. J. M. Driculic, 1968 B.A., took up her appointment on March 2 as Senior Tutor in English.

Mr. G. Murugathan, B.Com.(Qld.), Dip. Acc. (Sing.), A.A.S.A., was appointed Lecturer in Commerce from 1 February. He was formerly a Senior Tutor.

Mrs. H. M. Henry, previously a Tutor in the Department of History. Mrs. Henry is a Bachelor of Arts in the University of Sydney.

Mr. R. J. Loughran, a Bachelor of Science in the University of New England, was appointed Lecturer in Geography. He took up his appointment in June as Lecturer in Geography, Mr. Loughran having been a Teaching Fellow in Geography in the University of New England.

Mr. G. F. Rooney, B.Com., A.A.S.A., A.C.I.S., a former Teacher in Accounting with the New South Wales Department of Technical Education, was appointed Lecturer in Commerce.

Mr. R. W. McShane, previously a Lecturer, has been appointed a Senior Lecturer in Economics. He is a Bachelor of Arts in the University of New England and Master of Arts in the University of Alberta.

Mr. G. W. Southern, a Bachelor of Arts in the University of New South Wales, took up his appointment as a Senior Tutor in Mathematics in May. He was previously Mathematics Master at High School.

Mr. J. M. Ziehranski, formerly a Lecturer in Economics in the University of the Queensland, took up his appointment as the Principal Research Officer of the National Development Authority.

Mr. A. T. Parrott, a Postgraduate student nearing completion of his Ph.D. in Philosophy. The Rev. Rex Davis, a Professor of Theology at the University of Sydney was previously a Lecturer in Mathematics at the University of British Columbia.

Mr. A. P. T. Lofus has been appointed Senior Student Counsellor in charge of the Student Counselling Units following the departure of Mr. P. M. White to take up duty as Dean of Students in the University of Hong Kong.

Mr. A. L. A. S.T.C., took up his appointment as Staff Architect on 4 May. He was previously employed by Newcastle City Council.

Professor S. E. Dickson of Iowa State University visited the Department of Mathematics from 31 May to 31 August. Professor Dickson lectured and researched in a variety of areas.

Mr. R. B. Vermeesch, Lecturer in Legal Studies in the Department of Commerce, resigned in May in order to take up an appointment in the University of New South Wales.

Mr. I. A. White, a Senior Lecturer in Civil Engineering, resigned in June in order to take up an appointment with the West Australian Institute of Technology.

The Vice-Chancellor and Mrs. Auchmuty attended the opening of the Queen’s Jubilee Pavilion at the University of New England.

This was the first time in Australia that Royal Assent for the authorization of a university by the Sovereign was presented to the person. Professor and Mrs. Auchmuty were among those presented to the Queen at this ceremony.

Professor Beryl Nashor attended a Dinner given by the Queen on 15 May to the International Young Men’s and Women’s Christian Association. ("Brumby") at Cremorne, Quay West on Friday evening, 1 May.

Mr. I. A. Church, 1965 B.C.L., M.C.L., a former member of the University Council, has been elected Chairman of the Newcastle Delegates of the National Liberal Union.

Mr. K. J. Morn, a Postgraduate student nearing completion of his Ph.D. in Philosophy. The Rev. Rex Davis, a Professor of Theology at the University of Sydney was previously a Lecturer in Mathematics at the University of British Columbia.

Mr. J. J. Legg, a Commonwealth postgraduate scholar in the Department of Psychology, has been appointed a Senior Lecturer at the Mitchell College of Advanced Education, Bathurst, and took up this appointment early in August.

Mr. T. A. Farrelly, who graduated as a Bachelor of Arts in 1966, is the author of the recently published book, "The Newcastle and Hunter Valley Sketchbook." with sketches by the artist, Urs. While Mr. Farrelly is at present in England, the Reverend R. B. Davis conducted four seminars in New South Wales on June 6 and 7 under the auspices of the University of Sydney and the Workers’ Educational Association. The Rev. Rev. B. Davis, a Bachelor of Arts in the University of New South Wales, is Associate Secretary of the World Council of Churches in Geneva.

Mr. F. G. Taylor, a Bachelor of Arts in the University of New South Wales and a Master of Arts in this University, has been appointed a Lecturer in Education in the James Cook University of North Queensland.

Mr. I. A. Levett, 1969 B.A., has been appointed Librarian at the Tasmanian College of Advanced Education. A former Librarian of 15 years’ experience at the University of Sydney, Mr. Levett since 1968 has been Deputy State Librarian in Tasmania.

Mr. A. L. Black, 1967 B.Sc., with Honours Class II Division (i) in Industrial Chemistry, who is at present completing a thesis for the degree of Doctor of Philosophy after conducting research under the supervision of Associate Professor I. A. Smurthwaite has accepted a position as a Research Officer in the Department of Chemistry, University of California at Riverside.

Mr. D. Williamson, 1970 B.E./BSc., with Honours Class 1 in Electrical Engineering, is a Commonwealth postgraduate scholar and has been awarded a fellowship to work on his Ph.D. at Harvard University.

Miss Mareille Tucon was named one of the winners of the annual awards by the New South Wales Association of University Women Graduates to outstanding women students in Universities. Miss Tucon, who is a Bachelor of Science (Honours) and a Bachelor in Mathematics, obtained first place in the section for women studying in science faculties in competition with applicants from all other Universities in the State. Miss-Tucon is now a Ph.D. student.

Mr. R. A. Heath, a postgraduate scholar in the Department of Psychology, has received a Commonwealth Scholarship and Fellowship Plan Award to McMaster University, Ontario.
The Combined New Zealand Universities Tennis Team narrowly defeated the University in a match held at Newcastle District Park. Due to inclement weather the match had to be transferred from the University Courts.

A Staff Team defeated a Students' Team for the 4th consecutive time in their Annual Golf Match for the Vice-Chancellor's Trophy. The match was played at Waratah Golf Club on 10 May.

A University of New England Staff Team was defeated by a University of New South Wales Staff Team in the Annual Golf Match played on the Newcastle Golf Course on 16 May.

A team of students from the University of New England defeated a team from Newcastle University in a match held at Newcastle and Waratah Golf Courses on 13 and 14 June.

MAY VACATION INTERVARSITY REPORT

WOMEN'S BASKETBALL

A very successful Basketball Contest was held on University Oval from May 25—29. Ten Universities competed in some very closely contested matches. The Contest was finally won by Western Australia on goal average from Adelaide University. Newcastle was placed in 7th position.

A representative team from the Newcastle District Basketball Association narrowly defeated a Combined Universities team in a match at the University Oval on 30 May.

RUGBY UNION

The Intervarsity Rugby Contest was held in Perth. This University was successful in winning the Kanamatsu Cup defeating Macquarie University in the final.

SURF RIDING

The University of Newcastle Surfing Club was placed 2nd to the University of New South Wales in the Intervarsity Contest held in Sydney.

J. R. GEIGY RESEARCH GRANT

A research grant of $90,000 to cover a three year period has been negotiated between the University and the international chemical company, J. R. Geigy, S.A. of Basle, Switzerland for research work on synthetic organic chemistry in the Department of Chemistry. The directors of the research are Professor J. A. Allen and Associate Professor L. A. Summers. Dr. K. H. Bell of the Department is also participating in the project. The terms of the agreement with the company include provisions for the publication of the results of the research.

The Annual Blues Dinner was held on 5 June at the Rugby Union Club. The Vice-Chancellor presented Michael Goldman with a Blue plus the George Haggarty Cup for the most outstanding Sportsman of the Year. Guest Speaker at the dinner was Sir Harry Alderson who is Executive Director of Rothmans Sport Foundation and Chairman of the Olympic Federation of Australia.

Mr. Goldman was selected to play in the Combined Country XV against Scotland at Bathurst.

The Vice-Chancellor shows Michael Goldman's Blue to Sir Harry Alderson, the Chairman of the Olympic Federation of Australia.

By courtesy of Newcastle Morning Herald.