At its meeting on November 21, 1975 the Council of the University appointed Professor L.N. Short as part-time Deputy Vice-Chancellor of the University for two years commencing November 22, 1975.

Professor Short was a member of the Council of the University from 1971-72 whilst Deputy Chairman of Senate. He took up his appointment as Foundation Professor of Education in the University in January, 1968, having previously been Director of the Educational Research Unit of the University of New South Wales from 1961-67.

Professor Short replaces Professor E.O. Hall whose appointment as part-time Deputy Vice-Chancellor ended in June this year.

The University has received details of grants recommended by the Australian Research Grants Committee, the National Health and Medical Research Council and the Australian Advisory Committee for Research and Development in Education.

The University will receive a total of $221,792 for 27 research projects in 1976. This compares with the 1975 allocation of $169,551.

For the first time a member of the university's staff will receive a grant from the National Health and Medical Research Council to undertake research in the medical field. Professor B. Boettcher, of the Department of Biological Sciences, has been given $25,899 for a project dealing with genetic markers in Australian aborigines and investigation of tribal structure.

Dr R.A. Antonia, who will take up his appointment to the university's Chair of Mechanical Engineering on January 1 next year, has been granted $27,601 for a special research project relating to air/sea interaction and $18,688 for work on transfer processes in turbulent shear flows.

Professor J.B. Biggs and Assoc. Professor K.F. Collis, of the Department of Education, will share a $12,500 grant from the Australian Advisory Committee for Research and Development in Education to undertake research into "Classroom Examples of Cognitive Development Phenomena - Grade 3 Through to Grade 12".

Mr B. Fenelon, of the Department of Psychology, will share a $10,288 continuing grant from the National Health and Medical Research Council with a Research Associate in Psychology, Dr J.T. Holland, Head of the Department of E.E.G. and Clinical Neurophysiology at Royal Newcastle Hospital. Their research is into "The Electrophysiology of Cerebral Laterality in Learning Disability Children".

Associate Professor Engel, of the Department of Geology, will share an A.R.G.C. grant of $9,802 with Associate Professor J. Roberts of the School of Applied Geology, University of New South Wales. This is a continuation grant for their work on Carboniferous Palaeoecology.

The other new projects for which grants have been approved are:

<table>
<thead>
<tr>
<th>Investigator</th>
<th>Project Title</th>
<th>Grant</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr C.A. Croxton</td>
<td>Liquid-solid and liquid-vapour phase transitions</td>
<td>4,445</td>
</tr>
<tr>
<td>Dr G.C. Goodwin</td>
<td>Computer aided techniques for multivariable system identification - experiment design and data analysis</td>
<td>11,884</td>
</tr>
<tr>
<td>Investigator</td>
<td>Project Title</td>
<td>Grant</td>
</tr>
<tr>
<td>-------------</td>
<td>------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>Dr F.J. Lidgey and Dr K.K. Saluja</td>
<td>Fault Diagnosis in Gunn Logic Networks</td>
<td>9,500</td>
</tr>
<tr>
<td>Professor R.W. Robinson</td>
<td>Numerical implementation of unlabelled graph counting algorithms</td>
<td>6,796</td>
</tr>
<tr>
<td>Continuing projects which attracted grants are:-</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professor J.A. Keats and Dr D.M. Keats</td>
<td>Personal value systems in Australia and Malaysia</td>
<td>5,000</td>
</tr>
<tr>
<td>Dr J.L. Seggie</td>
<td>An investigation of the development of Formal Operational Thought in concept learning</td>
<td>7,053</td>
</tr>
<tr>
<td>Professor C.D. Ellyett</td>
<td>Temporal and spectral analysis of remote sensing data</td>
<td>650</td>
</tr>
<tr>
<td>Dr B.J. Fraser</td>
<td>Propagation studies of hydromagnetic waves between spaced stations</td>
<td>7,362</td>
</tr>
<tr>
<td>Dr E.R. Smith</td>
<td>The stability of arrays of microscopic particles</td>
<td>4,445</td>
</tr>
<tr>
<td>Associate Professor W.D. Wallis</td>
<td>Construction and investigation of block designs</td>
<td>10,050</td>
</tr>
<tr>
<td>Dr R.P. Cooney and Associate Professor G. Curthoys</td>
<td>Laser raman spectroscopy applied to heterogeneous and homogeneous catalysis</td>
<td>1,200</td>
</tr>
<tr>
<td>Professor W.F.J. Pickering</td>
<td>Preconcentration procedures for use in evaluating the trace metal content of waters</td>
<td>400</td>
</tr>
<tr>
<td>Professor W.F.J. Pickering</td>
<td>The effect of electrolytes and complexing agents on the adsorption of metal ions by clays and soils</td>
<td>11,280</td>
</tr>
<tr>
<td>Dr B.A. Conroy</td>
<td>Genetic analysis of hybrid zones in Tisiphone abeona</td>
<td>900</td>
</tr>
<tr>
<td>Dr P.J. Quinn</td>
<td>Studies of mammalian embryo development and differentiation</td>
<td>900</td>
</tr>
<tr>
<td>Dr R.C. Jones and Dr R.N. Murdoch</td>
<td>Studies of boar spermatozoa: significance of acrosomal vesiculation</td>
<td>6,967</td>
</tr>
<tr>
<td>Dr J.W. Patrick</td>
<td>Auxin-promoted transport in stems</td>
<td>6,875</td>
</tr>
<tr>
<td>Dr T.K. Roberts</td>
<td>An immunological approach to the study of semen: particularly sperm-seminal plasma interactions</td>
<td>1,000</td>
</tr>
<tr>
<td>Dr F.J. Lidgey</td>
<td>Investigation of the second harmonic locking characteristics of high powered microwave LSA oscillators</td>
<td>Nil Grant</td>
</tr>
<tr>
<td>Professor J.B. Moore, Professor B.D.O. Anderson and Dr A.C. Cantoni</td>
<td>Optimal control processes and communication systems</td>
<td>28,246</td>
</tr>
<tr>
<td>Dr P.J. Moylan</td>
<td>Stability of Nonlinear Control Systems</td>
<td>1,151</td>
</tr>
<tr>
<td>Professor J.McC. Stewart and Dr D.L.S. McElwain</td>
<td>Furnace temperature measurement by spectroscopic methods</td>
<td>10,250</td>
</tr>
<tr>
<td>Dr T.F. Wall</td>
<td>Direct reduction in electrically augmented flames</td>
<td>750</td>
</tr>
</tbody>
</table>
At its meeting on November 21, the University Council approved the promotion of the following members of the academic staff:—

Senior Lecturer to Associate Professor:

Dr C.A. Croxton, of the Department of Mathematics, graduated with First Class Honours from the University of Leicester in 1966 after which he entered the University of Cambridge and carried out research leading to the degree of PhD which was awarded in 1969; he also holds an MA from Cambridge which was awarded in 1971. From 1969 to 1974, Dr Croxton was a Fellow of Jesus College, Cambridge, and during that time he gave undergraduate and postgraduate courses in Mathematical Physics. He joined this University in 1974.

Dr Croxton spent some time as a Visiting Fellow at the National Research Council, Ottawa, Canada, and has also held British Council and other fellowships in India. These fellowships have been short term appointments for about three to six months. His distinguished contributions to the statistical mechanics of the liquid state have earned Dr Croxton a worldwide reputation and he has recently been awarded a grant from the A.R.G.C. to continue research in this field. He has published five books in this and related fields together with a large number of papers. Dr Croxton is now preparing a simple introduction to the Russian Language for Physical Scientists and Applied Mathematicians, which will appear as a book in 1976. It will also be the basis of a series of lectures to be given next year by Dr Croxton under the auspices of the Department of Community Programmes.

Dr A.J. Guttman, of the Department of Mathematics, graduated from the University of Melbourne in 1965 with First Class Honours and obtained his MSc from that University in 1967. He enrolled in the Applied Mathematics Department at the University of New South Wales in 1967 and, there, carried out research towards his PhD which was awarded in 1970. In 1969 he received a Science Research Council Post-Doctoral Fellowship at the University of London King's College and in 1971 he was appointed to the Department of Mathematics at this University.

Dr Guttman's early research was in the field of statistical mechanics and he has a large number of publications dealing with phase transitions and related topics. More recently, Dr Guttman has been working in computer science and his first book in this area will be published early next year. He held an I.C.I. research grant in 1972 and from 1973-1975 his work on the Analysis and Interpretation of Theoretical and Experimental Data has been supported by a grant from the A.R.G.C. Dr Guttman has held short term visiting Fellowships at King's College, London, and also at both the Research School of Physical Sciences and the Computer Centre of the Australian National University. He is at present a Visiting Associate Professor with the Department of Computer Science in the Faculty of Mathematics at the University of Waterloo, Canada.

The following Lecturers were promoted to Senior Lecturer Grade:—

Dr D.S. Angus, BSc (Queensland); PhD (Queensland), Department of Biological Sciences.

N.J. Dickinson, BCom (New South Wales), Department of Economics.

Dr R. Fredlein, BSc (Queensland); PhD (Queensland; ARACI, Department of Chemistry.

Dr R.W. Gibbons, BSc (Adelaide); PhD (Adelaide), Department of Mathematics.

M.J. Hallinan, ASTC, Department of Mechanical Engineering.

Dr D. Jaffrey, BSc (Queensland); MSc (McMaster); PhD (Cambridge), Department of Metallurgy.

Dr A.G. Keene, BA (New Zealand); MA (Melbourne); PhD; MAPsS, Department of Psychology.

Dr M.N. Maddock, BSc (Tasmania); BEd (Queensland); MS (Florida State); PhD (Florida State); DipEd (Tasmania); MACE, Department of Education.

Dr D.N. Parkes, BA (Durham); MA, PhD, Department of Geography.

Dr J.L. Seggie, BA; PhD; MAPsS, Department of Psychology.

Dr E.R. Smith, MSc (Melbourne); PhD (London), Department of Mathematics.
NEW FACULTY OF THE UNIVERSITY

After support was forthcoming from the Senate, the University Council, on November 21, constituted a Faculty of Education. The new faculty, to embrace initially the Department of Education, will begin operations on December 1.

Council was told that a Senate committee had invited submissions from all academic staff; these submissions indicated considerable agreement on the functions and composition of the Faculty and its Board.

The situation at other Australian universities had also been considered by the committee. Out of 13 universities (not including Wollongong, Murdoch and Griffith, the newest establishments), nine had Faculties or Schools of Education.

Council decided that:
- The Faculty of Education would confine itself to the administration of courses and research leading to postgraduate qualifications,
- With effect from January 1, 1976, the following courses of studies would be transferred from the Faculty of Arts to the Faculty of Education: Diploma in Education, Bachelor of Educational Studies and Master of Education, and
- The degree of Doctor of Philosophy be also offered in the Faculty of Education.

The Board of Studies in Education will cease to exist as from December 31, 1975.

Membership of the Faculty Board, Faculty of Education, will be: in addition to all members of the Department composing the Faculty, a representative from each of the Departments of English, Geography, Philosophy, History, Mathematics and Psychology, two from the Board of Studies in Language and Literature, a representative from each of the Faculty of Arts, the Faculty of Economics and Commerce, and the Faculty of Engineering, two representatives from the Faculty of Science, nominees of each of the Director of the Higher Education Research and Services Unit, the Newcastle Area Director of the N.S.W. Department of Education, the Principal of the Newcastle College of Advanced Education and the Diocesan Director of Catholic Education, Maitland Diocese, three students elected in the manner prescribed by the Council from time to time, provided that two of them shall be candidates for the Diploma in Education and up to three other persons to be nominated by the Faculty Board.

Regulations will be amended to add:
- Six representatives from the Department of Education to the Faculty of Arts, a representative from the Department of Education to the Faculty of Economics and Commerce, a representative from the Department of Education to the Faculty of Engineering, and a representative from the Department of Education to the Faculty of Science.

ACADEMIC APPOINTMENT

Mr. John Roland Smyrk has taken up duties as Lecturer in Commerce. He holds a Bachelor of Economics degree with honours in Monash University and expects to be awarded a Master of Economics degree by the same University next year.

RECORD OF COLLEGE OPENING

The recorded proceedings of the official opening ceremony at Newcastle University College on December 3, 1951, have been preserved in the University's Archives.

The university was given the singular opportunity to acquire a tape of the proceedings by the University of New South Wales, which, as the New South Wales University of Technology, was the Newcastle College's parent at the time of the opening.

The Vice-Chancellor and Principal of the University of New South Wales (Professor Rupert Myers) said in a letter to the Vice-Chancellor (Professor Don George) that one of his university's officers, who was the first secretary of the University Council, had discovered in his possessions seven, twelve-inch, 78 rpm recordings transcribing the proceedings of the official opening ceremony.
The recordings were made by the Newcastle Broadcasting Company and from the background noises it would seem that the ceremony was held at Newcastle Technical College in the open air.

The records are part of the history of the University and I have arranged for them to be taken over by our Librarian who maintains the historical archives.

The proceedings, running to some 45 minutes, are also part of the history of the University of Newcastle. In anticipation that the transcript of the ceremony may be of interest I have had one of our technicians cut a tape from the records and this I have pleasure in presenting to you with our compliments," Professor Myers stated.

Speakers at the opening were Mr Wallace Wurth, then Chancellor of the N.S.W. University of Technology, The Hon. J.G. McGirr, Premier of New South Wales, The Hon. R.J. Heffron, Minister for Education in New South Wales, Mr W.E. Clegg, member of the College Council and Dr F.O. Purdue, then Lord Mayor of Newcastle and an alderman of the City Council.

It is noteworthy that Dr Purdue has been a member of the Council of the University since its inception.

HISTORY OF UNIVERSITY IN PICTURES

"The University of Sydney 1850-1975" is a book of historical pictures published to mark the 125th year of the university's incorporation. The plates used were chosen and annotated by Mr Gerald Fischer, Archivist, University of Sydney.

The 132-page book is available from the University of Sydney's Cooperative Bookshop, the Union Exchange and the News and Public Relations office at $4.90 a copy.

In the book's foreword, Sir Hermann Black, Chancellor of the University, states that from its necessarily modest inception the University has developed into a large and complex organisation of resources to perform a greatly expanded variety of educational functions.

"The hope inspiring this volume is that these pictures may, in sequence, suggest a range of activities, within the University setting, from sitting for an examination, the angels of the Great Hall impassively aloft, to wreath-carrying, to conferring an honorary degree, to welcoming a Royal visitor, to a myriad of other things, not least the way the Quadrangle encloses in a serene framework of its own, at a silent hour, colour and the play of sunlight, silence and green spaces, with evocative nuances; and how by night it glows and begs the benediction of a contemplative heart," he added.

UNIVERSITY COUNCIL

Mr C. Willoughby, Area Director of Education, was welcomed by the Chancellor at the meeting of the Council on November 21. Mr Willoughby was attending his first meeting since being appointed to fill the vacancy caused by the resignation of Mr Gray.

Mr T. Allen, member elected by students, ceases to be a student at the end of this year and will be replaced on January 1 by Mr Peter Tullgren. The Vice-Chancellor expressed to Mr Allen, on behalf of his fellow Council Members and himself, the warmest gratitude and best wishes for the future.

Arrangements had been made for an edited set of Council minutes to be available in the Library (at the reference desk), members were informed. The Council previously agreed to do this to accord with a request from the University of Newcastle Staff Association.

Council considered a report from the Staff Association concerning the proposal that a Religious Centre be established on the campus and resolved to defer making a decision at least until its scheduled meeting next March.

The Staff Association revealed the results of a poll of academic staff on the issue. The Secretary wrote that 254 members of the association were polled for 140 returns (55%), and 34 non-members for 22 returns (65%). The results were:

<table>
<thead>
<tr>
<th>Proposition</th>
<th>Members</th>
<th>Non-members</th>
</tr>
</thead>
<tbody>
<tr>
<td>I am in favour of the erection of a Religious Centre on campus</td>
<td>22.1%</td>
<td>18.2%</td>
</tr>
<tr>
<td>I am in favour of the erection of a Religious Centre on campus provided no University funds are used for its erection</td>
<td>10.7%</td>
<td>18.2%</td>
</tr>
</tbody>
</table>
I am in favour of the erection of a Religious Centre on campus provided no University funds are used for its erection or maintenance.

<table>
<thead>
<tr>
<th></th>
<th>Members</th>
<th>Non-members</th>
</tr>
</thead>
<tbody>
<tr>
<td>I am in favour of the erection of a Religious Centre on campus provided no University funds are used for its erection or maintenance</td>
<td>20.6%</td>
<td>27.2%</td>
</tr>
<tr>
<td>I am not in favour of the erection of a Religious Centre on campus</td>
<td>46.6%</td>
<td>36.4%</td>
</tr>
</tbody>
</table>

A letter from Standing Committee of Convocation dealing with the matter was received by the Council. The Warden of Convocation had been asked to poll members of Convocation on their reaction to the proposed construction of a Religious Centre.

The Warden wrote: "Standing Committee of Convocation is of the view that such a poll could be misleading, in that a Religious Centre would be primarily intended for the use of present and future members of the University community rather than for those members of the University who are now graduates, and also in that a poor response to such a poll might well be misinterpreted either as indicating a lack of interest amounting to opposition, or as giving an accurate picture of the opinions of Convocation as a whole. For these reasons Standing Committee sees no particular merit in the polling of Convocation members on this issue".

The Vice-Chancellor said Professor R.G. Tanner, Convener of the Religious Centre Committee, had informed him that in view of the Staff Association ballot and "the current crisis in the country as a whole" his group would prefer the final decision by Council to be deferred until the February meeting.

The Vice-Chancellor, reporting on the proposal to transfer the Secretary-Manager of the Union, or other staff, to the University's staff, stated that he and his colleagues had talked with the Chairman of the Board of Management of the Union (Mr. F. Drinkwater) and that no action would be taken as a result of the proposal.

Council was told that during third term all rooms in Edwards Hall had been occupied. The catering services at the Hall would not operate between December 13 and February 22.

The Vice-Chancellor commented that, because work on the Child Care Centre was well in hand and the appointment of the first Director was under consideration, it would be advisable for the Council to consider the establishment of a body to supervise all aspects of the management of the Centre.

Council agreed that the University should hold the next conferring of degrees ceremonies on two days, rather than one as has been the past practice, because of the big number of graduands. The scheduled dates are April 22 (afternoon ceremony) and April 23 (morning and afternoon ceremonies). Convocation has no objection to the change, as the Graduation Ball can be held in the Great Hall on April 23.

It has been decided to establish a Board of Asian Studies from January 1, 1976, to promote and integrate Asian Studies in the university at both graduate and postgraduate levels. The step follows the provision of funds for the teaching of certain Asian Studies, including Japanese, next year.

Dr. B.A. Conroy has been appointed Acting Head of the Department of Biological Sciences for the 12 months from December 1 when Professor B. Boettcher is expected to be on study leave.

Professor K.R. Dutton will be Head of the Department of Modern Languages from January 1, 1976, to December 31, 1977.

The appointment of Professor C.A. Tisdell as Head of the Department of Economics has been extended from January 1, 1977, to September 8, 1977.

Approval was given to the appointment of Professor A.D. Tweedie as full-time Vice-Principal and full-time Deputy Vice-Chancellor being extended for five years from January 1, 1976.

Council approved an amendment of the By-Laws of the university that instituted a new honorary degree, to be known as Doctor of the University (D.Univ.).
For the first time, the University has set a limit, or quota, on the number of new undergraduates to be enrolled next year. Previously, the method used was to set a target figure.

The quota proposed is 1,300, which compares with actual admissions of 1,072* students in 1974 and 1,134* in 1975 (*30th April base).

The Vice-Chancellor stated that there was no alternative to the quota as the Universities Commission has asked the University to keep enrolments at a level which complied with the commission's plans for university development in Australia in 1976.

Council also adopted the suggestion that no more than 42 new undergraduates be admitted to the Bachelor of Science (Architecture) degree course.

Work on the construction of the Behavioural Sciences Building continues to be ahead of schedule and if the current rate of construction continues the building could be completed approximately eight weeks ahead of schedule, the Council was informed.

The establishment of a field station in the Myall Lakes area to serve the interests of Newcastle C.A.E. and the university is presently being investigated.

Council was advised that the Buildings and Grounds Committee had considered a submission from the Vice-Principal on the need for a permanent base for field research and undergraduate instruction and an out-of-town centre for recreation and conferences.

Professor B. Boettcher and Mr H. Bradford were appointed to a joint C.A.E. and University Committee to develop the proposal. The C.A.E. will have two representatives and Mr L. Gibbs will be Chairman.

The Science Lecture Theatre has been renamed the Basden Theatre in honour of Dr Ralph Basden, the first Warden of Newcastle University College.

The University Council, which authorised the renaming on the recommendation of the Department of Chemistry, was told that Dr Basden had for many years continued his association with the University as an Honorary Research Fellow in the Department of Chemistry until his recent decline in health had made it impossible for him to continue.

The following candidates will be admitted to the degree specified at the next Graduation Ceremony:

**Doctor of Philosophy**

Edwin John Braggett (Department of Education) whose thesis title was *The Effects of Preschool Kindergarten Attendance on Aspects of Cognitive Development.*

**Master of Arts**

Joan Margaret Halford (Department of Psychology) whose thesis title was *A Study of Phrases Using a Sentence-Completion Method within and across Phrase Boundaries.*

James Morris Graham (Department of History) whose thesis title was *John C. Calhoun - The Making of a Sectionalist.*

If you have changed your address during the year now is the time to advise the Student Administration Office.

The University will soon be mailing re-enrolment materials and examination result notices to all students, and this correspondence may go astray if we do not have your present correct address.

A Change of Address form should be used and can be obtained from the Student Administration Office.

P.D. Alexander, SECRETARY

**FAREWELL TO SISTER KATE**

Far from receiving little recognition when she resigned on November 21, Sister Kate received cards and presents "from all the kids".

Many students who had received help from the Nurse at the University Health Service said they wished that she didn't have to leave.
However, there was no alternative, as Kate's husband, Dr John Krister, Regional Director of the N.S.W. Health Commission, had been transferred to Head Office in Sydney.

Kate undertook her work so cheerfully that to many students she was "the first Lady of the University". She tried to never mention her surname because she felt no barriers should be allowed to exist between students and the Health Service. "Also Sister Krister is too formal", she said "and, as the students know, there is nothing formal about me".

From the first, Kate took an active interest in the well-being of students, particularly those who uprooted themselves from their own homes elsewhere to enrol at the University of Newcastle.

"I really love students, who have special needs and are often misunderstood. They move from a 'square' world into the permissive society and must adjust to their new friends and surroundings. Learning how to cope is something like a culture shock for some, and although I could be their mother, I was able to help them to adjust."

"It could be a good idea to have somebody of my age to help them, as many have previously not been allowed to stand on their own two feet and, with their mothers absent, they talk to me".

The Health Service employed an "open door" policy while Sister Kate was Nurse. At an early stage it was established that the students principally needed medical help, counselling and nursing. The counselling requirement was met in a number of ways, such as Kate permitting students to use her office for morning tea and inviting them to spend the weekend at her farm at Yarramalong.

As though to affirm her view that students had special needs, she told a number of anecdotes. She said it required real determination on the Nurse's part to take blood pressures while a pop band played in the courtyard alongside. On some occasions she had no medical advice to give, like when a student swallowed a frog.

The facts of the last anecdote were:

"A student rang me at home to say that he had swallowed a frog for a bet and he now had terrible hiccups. He could not tell if it was the frog trying to get out or his diaphragm moving up and down.

"Finally, I told him to have a double brandy and if they both got drunk perhaps the hiccups would not feel so bad. Actually you should have white wine with frogs, and finish off with blue cheese. I saw the student later; he said he was really trying to give up eating frogs."

P.S.A. DISCUSSES ELECTION

At its meeting on November 18, the Management Committee of the University of Newcastle Subdivision of the Public Service Association resolved to advise members who wanted to assist the A.L.P. with its Federal Election campaign to give practical support to the Committee to Return the Elected Labor Government.

The subdivision's annual general meeting will be held on December 17 at 12.30 p.m.

GLIDERS TO HOLD MEETING

Newcastle University Slope Gliding Club will hold a general meeting in Room DG08, Department of Physics, on December 2 at 7.30 p.m. People interested in joining are invited to attend.

Following a very brief meeting there will be an informative discussion on flight theory and training.

PHILOSOPHY CLUB

Once again, ever mindful of the psychological and emotional needs of its members, and other less fortunate students, the Philosophy Club provides the ideal release from the traumas of annual exams. Yet, it's the Annual Philosophy Club Party to be held on Monday, December 15, 1975, at 7.30 p.m. in the Staff House. Come along, bring some friends! Relax with red and white wine, cheese and biscuits. All are welcome. Members 30¢, non-members 60¢.

Terry Taylor,
PRESIDENT
Professor Stewart, of the Department of Chemical Engineering, has received confirmation of a grant from the National Coal Research Advisory Committee of $12,000 for the current year, for continuation of his Department's work on Coal Pulverizers, on Combustion and Heat Transfer in Pulverized Coal Boilers and on "in-situ" gasification of coal. A scholarship is currently advertised for postgraduate work in this field. With the continuation of an A.R.G.C. grant for spectroscopic temperature measurement, this Department will be able to continue its high level of work in coal utilization and furnace heat transfer.

Professor H.C. Hottel, of M.I.T., has just been awarded the Gold Medal of the Royal Society of Great Britain for his extensive work on the use of solar energy. Professor Hottel will be remembered as visiting professor to the Department of Chemical Engineering, the University of Newcastle, in 1972. He gave, with Professor Stewart, a short course in Combustion and Heat Transfer which attracted a nation-wide audience.

T.E.A.S. SCHEME - APPROVAL OF COMBINED DEGREE COURSES

The following additional courses have been approved for the purposes of the scheme:

- Bachelor of Arts/Bachelor of Mathematics
- Bachelor of Commerce/Bachelor of Engineering
- Bachelor of Commerce/Bachelor of Mathematics
- Bachelor of Metallurgy/Bachelor of Mathematics
- Bachelor of Science/Bachelor of Arts
- Bachelor of Science/Bachelor of Mathematics

POSITION AVAILABLE

OFFICE ASSISTANT / TYPIST Secretary's Division, Administration Position No: N118/75

A competent touch typist is required, experienced in office routine. Commencing salary will be up to $124.31 per week depending upon age, qualifications and experience. Efficiency allowances up to $4.99 per week can be gained by passing speed tests at examinations conducted by the University.

Applications (addressed to the Personnel Department) should include details of age, experience, qualifications and previous employment. Applicants should list the names and addresses of three referees, and indicate the typing speed they can achieve under test conditions.

Applications close on December 4, 1975.

ADVERTISEMENTS

FOR SALE: Young Budgerigars at "teaching to talk" stage. Ring Gloria, Ext. 240.

HOUSEKEEPER WANTED: Friday mornings, each week, ring 46 7272.

FLAT TO RENT: 20 Hodgson Avenue, Cremorne, partly furnished, 2 bedrooms, lounge, kitchen, access to laundry and bathroom, convenient to ferry, $28 per week (includes gas and electricity), references required.

URGENTLY NEEDED: Cleaning lady, two mornings per week preferred, ring Daphne Keats, Ext. 322, or home, 57 1750.

WANTED TO RENT: Fully furnished house or flat with 2 or 3 bedrooms, for new member of staff, married with two young children, arriving about the end of January, 1976. Please contact F.M. Henderson, Department of Civil Engineering, Ext. 526.


FOR SALE: Pentax ES camera, fully automatic electronic shutter, super Multi-coated Takumar lens, Fl.4/50 mm, brand new with case, $350. Ext. 792 or 51 2225.
TRANSLATIONS DONE: Japanese/English and English/Japanese translation done, finished typed scripts, scientific, industrial, legal, literary, interpreting also on hourly rates, Department of Metallurgy, Ext. 484.

FOR SALE: Home unit, self-contained, fully furnished. Newly carpeted, 2 bedroom unit, fronting Memorial Drive, Bar Beach. Superb ocean views. Close to City. Obtain full particulars by telephoning 61 3953 daily after 5.30 p.m.

FOR RENT: Near showground, Broadmeadow on bus route to University, weatherboard cottage, lane at back, furnished, carpeted, freshly renovated, $45 a week. Ring 61 5505 after midday for arrangement to inspect. Suitable for married couple without children.

SPORTING NEWS

Tennis Championships

Champion tennis players Ken Rosewall and Bill Bowrie will present an exhibition during the Australian Universities Tennis Championships to be played at District Park Courts from December 1 to 5. Bowrie is the official tennis professional for the N.S.W. World Tennis Association. He has won the Australian singles title and represented Australia on three occasions in the Davis Cup.

More than 40 tennis players, from universities as distant as James Cook and Western Australia, have entered and several Newcastle firms and individuals have donated trophies.

The programme:
Sunday, November 30, 7.30 p.m.: Vice-Chancellor's Welcome, Newcastle District Tennis Club; the Draw.
Monday, December 1: Round Robbin Tournament.
Tuesday, December 2: Australian Universities Men's Singles Championship
Australian Universities Men's Doubles Championship
Australian Universities Women's Singles Championship
Australian Universities Women's Doubles Championship
Wednesday, December 3, 7.30 p.m.: Barbecue and Pool Party, Lake Lodge Motel, Belmont.
Friday, December 5: Championship Finals. Exhibition match between Ken Rosewall and Bill Bowrie. Championship Dinner, Newcastle District Tennis Club, 7.30 for 8 p.m.

The following firms and individuals have supported the championships by donating prizes.
Howard Smith Pty Ltd, Quantas, TAA, The Commonwealth Bank, Newey & Beath Pty Ltd, Mr Bob Bugden, Professor Godfrey Tanner, the A.U.S.A., the Sports Union, Schweppes, and Mr Ray Baartz.

Cricket

Geoff Andrew, a member of the University's First XI, has been selected in the Australian University Cricket team to tour New Zealand from January 17 to February 7. Geoff, originally chosen as an emergency, made his way into the team when C. Corstorphin, of Melbourne was forced to withdraw because of a broken knee cap.

The team is as follows:
G. Boxsell (Wollongong), G. Buchanan (Queensland), A. Burridge (Melbourne), G. Andrew (Newcastle), G. Fox (Melbourne), P. James [captain] (N.S.W.), B. McIntyre (New England), J. Martel [vice-captain] (N.S.W.), M. O'Sullivan (Sydney), K. Penter (W.A.), D. Rumble (Melbourne), J. Stone (Wollongong), P. Sundberg (Monash) and P. Wynn (New England).

The Manager will be Mr H. Bradford, of the University of Newcastle.

Combined Newcastle High Schools and a Vice-Chancellor's XI will play at University Oval on December 1 at 10 a.m. The Headmasters of local high schools have been invited to see the match as guests of the Vice-Chancellor.

The Vice-Chancellor's team: M. Cooper (captain), J. Andrew, R. Baker, D. Bell, R. Gough, J. Hayes, E. Joseph, A. Northey, G. Preston, S. Quinn, K. Thompson and D. Willett.
Golf

The Newcastle Staff team, following its defeat by the R.A.A.F. team from Williamtown on October 19, was unsuccessful against the University of New England at Armidale on November 22 and 23. University of New England Staff defeated Newcastle 11½ to 9½.


Blues Association

The Blues Association held its annual general meeting in the Committee Room on the night of November 24. The main business was consideration of nominees for 1975 Blues.

Free Skiing Lessons

As announced earlier, members of the University, both staff and students, will have an opportunity at the University boat shed, Raymond Terrace, on December 6 and 7 to learn how to water ski free.

Activities will subdivide into sessions from 10 a.m. to 1 p.m. each day for learners, and from 1 to 4 p.m. each day for people already able to ski.

Although applications are being received at a steady rate persons are still able to attend by ringing Stan Barwick (Ext. 469), or the Amenities Office (Ext. 344). The group of learners will be limited to 30 each day.

Tuition will be given by a skilled water skier and a free barbecue lunch will be provided between noon and 2 p.m. each day. However, people should bring their own grog.

Sailors Thankful

Following the visit of the light cruiser HMS Glamorgan to Newcastle the Amenities Officer received the following letter from the skipper, Captain R.E. de M. Leathes:

"On behalf of the ship's company I would like to thank you for all the hard work you have put in to arrange sporting fixtures for HMS Glamorgan.

"No matter where we are in the world, sport and recreation is always a vital commodity in any visit, therefore your efforts have been significant in making our stay here a happy one and have been much appreciated by all concerned."

Captain Leathes was referring to the provision by the University of facilities for squash, cricket, indoor soccer and other activities.

Squash

Two women's teams were successful in the 1975 squash competition conducted by the Newcastle Squash Association.

The B1 team (Gail Duncan, Kathy Shank, Rachele Saderis and Sue Beaman) won the grand final against Belmont and the C4 team (Bev Greenwood, Elizabeth King, Silvia Davis and Margaret Brown) was successful against Mayfield in the grand final.

Three-Way Golf

An invitation has been received from Newcastle Technical College for a team of five players from the University to take part in a three-way match with the Technical College and the College of Advanced Education. A shield has been donated as a perpetual trophy for the event which is to be contested annually as part of the N.T.C. Staff Social Golf Day.

This year the Social Golf Day will be on Monday, December 8, at Muree Golf Club, with hit-off time 8.30 to 9.30 a.m. The competition will be a stroke event, played from the social tees. The University team will be the five players with the lowest handicap playing on the day. The four best net scores of the team of five will be counted for the trophy.
Male members of staff have been invited to play. Players will be grouped into fours as they arrive at the tee unless they have made prior playing arrangements. The Amenities Office should be advised by persons intending to play before December 1.

End of an Institution

Quietly, without being noticed by most people who take an interest in sport, an era has just come to an end in District Cricket. About fifteen years ago a number of the staff of what was then the Newcastle University College, the men who had been mainly responsible for the establishment of the University Cricket Club, decided that they should leave the honour of playing in major grades to younger people and formed their own team, an extra fourth grade. It rapidly became an institution, not only in the club but in the district. It has played in the NDCA competition, give or take a grade, ever since, never distinguished but never disgraced, making a semi-final once or twice but usually recording its best performances at social functions. Its choral rendition of the Gendarmes' Duet became something of a legend.

In 1965 the caption on a photograph in the "Newcastle Sun" earned it the title of the Venerable Gentlemen. Under that name it even undertook an overseas tour. The New Zealand university sides it encountered then were a little taken aback by its outlook, particularly by its tendency to respond to the Haka with which they tried to impress it by giving them a quick chorus from a slightly ribald song about a bumble-bee, but, as usual, it came off something like square.

It was never confined to the staff. The basic qualifications for selection in the VG were to be an elderly member of the University, to like cricket and not be very good at it, and to get on well with the rest of the team. At one stage it included a medic, a lawyer and two clergymen - which made the rest of its members face injury (or even death) with equanimity. For some years its proudest boast was that the ages of its opening batsmen added up to over 100, of its opening bowlers to over 110. The lamentable batting performances of its wicket-keeper won it the international distinction of a mention in the "Cricket Quarterly", and, it is believed, narrowly missed a place in the Guinness Book of Records. There was a memorable occasion when, a partnership between a professor and a priest having been broken prematurely, one between a poet and peasant (as the metallurgist involved described himself) won the game.

But the team is now no more. The University Club has decided that there is no place in its efficient organisation for such an untidy thing as a team of geriatric enthusiasts. Cricket, it has been decreed, is for getting points in the Club Championship. The Venerable Gentlemen have been told to mow their lawns, go fishing, play golf or - God help us! - compete for places in ordinary club teams. They will be missed, at least by the chaps who sell raffle tickets in pubs on Saturday afternoons. Whether University (or District) Cricket will be better off without them is, to say the least, doubtful.

Greg McMinn
(wicket-keeper)

SCHOLARSHIP AVAILABLE

Applications are being invited from students for the award of an Associated Minera Consolidated Limited Scholarship, which is valued at $600 p.a. and is available for award to the student achieving the best performance in the first year full-time or first two stages part-time in a degree course in Engineering, Applied Science, Science (Geology major) or Arts (Geology major).

Further information about the scholarship is available from the Student Administration Office and persons wishing to be considered for the award of the scholarship should forward a letter of application to the Secretary, the University of Newcastle, 2308, by December 31, 1975.