When University News went to press, just three vacancies on the Council still had to be filled.

These are the places for members elected by the members of Council themselves. Changes in the composition of the Council, made this year, reduced membership in this category from four to three.

The previous Council elected Dr. Frank Purdue, the Lord Mayor, Ald. Joy Cummings, Mr. Rod Harden and Mr. Alec Forsythe as Council members. Mr. Harden, a Senior Executive with the BHP Co. Ltd., resigned from the Council early this year and Dr. Purdue stepped down when his term expired last month.

A meeting of the new Council has been set down for July 14 in order to elect the three remaining members.

In recent weeks elections have been held to elect Convocation members, academic staff members and non-academic staff members. Professor G.J. Jameson and Professor G.M. Kellerman were declared elected as professorial members and Mrs. M.E. Rabbitt and Mr. M.E. Edmonds were elected as the non-academic members of Council. In the two categories the number of nominations received equaled the number of vacancies.

A ballot was conducted to fill the six vacancies for Convocation, with these candidates being successful:

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Votes</th>
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<tbody>
<tr>
<td>Mrs. Elizabeth Morrison</td>
<td>542</td>
</tr>
<tr>
<td>The Very Rev. Robert</td>
<td>542</td>
</tr>
<tr>
<td>Beat</td>
<td></td>
</tr>
<tr>
<td>Mr. Warren Derkenne</td>
<td>534</td>
</tr>
<tr>
<td>Mr. Brian Relf</td>
<td>501</td>
</tr>
<tr>
<td>Dr. Peter Hendry</td>
<td>485</td>
</tr>
<tr>
<td>Emeritus Prof. Clifton Elyett</td>
<td>480</td>
</tr>
</tbody>
</table>

The voting for the other candidates was:

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<tr>
<th>Candidate</th>
<th>Votes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ald. Alan Morris</td>
<td>462</td>
</tr>
<tr>
<td>Dr. Kevin White</td>
<td>425</td>
</tr>
<tr>
<td>Mr. Vic Levi</td>
<td>422</td>
</tr>
<tr>
<td>Mr. John Skehan</td>
<td>379</td>
</tr>
<tr>
<td>Mr. John Gillard</td>
<td>375</td>
</tr>
<tr>
<td>Mr. Phillip Miller</td>
<td>235</td>
</tr>
</tbody>
</table>

A ballot was also conducted to elect two members of the Council being members (other than Professors) of the academic staff. The successful candidates are:

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Votes</th>
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</thead>
<tbody>
<tr>
<td>Assoc. Prof. Geoff</td>
<td>135</td>
</tr>
<tr>
<td>Curthoys</td>
<td></td>
</tr>
<tr>
<td>Mr. Brian O'Shea</td>
<td>61</td>
</tr>
</tbody>
</table>

The other nominees for election are:

<table>
<thead>
<tr>
<th>Candidate</th>
<th>Votes</th>
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</thead>
<tbody>
<tr>
<td>Assoc. Prof. John Bach</td>
<td>47</td>
</tr>
<tr>
<td>Mr. Joao de Castro</td>
<td>55</td>
</tr>
<tr>
<td>Lopa</td>
<td></td>
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<tr>
<td>Dr. David Finlay</td>
<td>55</td>
</tr>
<tr>
<td>Mrs. Margaret Henry</td>
<td>49</td>
</tr>
<tr>
<td>Dr. John Lee</td>
<td>58</td>
</tr>
</tbody>
</table>

There were two informal votes.
Dear Sir,

It is little less than astounding in a situation where our younger academics and recent Honours Graduates are unable to obtain tenured tutoring positions at this University, that our University bureaucracy feels that it must refill the soon-to-be-vacant Vice-Principal's position. The work involved in this job could probably be carried out by a computer or a Senate sub-committee. While fully aware of Professor Tweedie's endeavours and interest in the past, the position is an unimaginative one, dealing mainly with parking fines, procedures, control of patrol attendants and other routine tasks. It has become an unofficial acting Vice-Chancellor's position during the not infrequent overseas jaunts of our present Vice-Chancellor.

As students, we feel that we must protest at the unfairness that we must protest at the unfairness that this proposed action would conflict on our students and the University as a whole. Let's get our graduates hired and forget adding more fat-cats.

Greg Holding,
President, 28th SRC.

Stephen Date,
Student Member, University Council.

Israel in Egypt

The 80-voice University Choir will offer Handel's major oratorio, Israel in Egypt, jointly with a full orchestra, organ and harpsichord in the Great Hall on Saturday, July 26, beginning at 8.15 pm.

The mammoth performance will be conducted by the Choir's Musical Director and well-known singer and musician, Peter Brock. It presents him with an opportunity to launch a career as a conductor of an orchestra, since he has previously only conducted the choir.

Solo parts in the oratorio will be sung by members of the choir.

One of the soloists for the performance will be Andrew Combes, son of Bill and winner of the inaugural Bill Combes Memorial Scholarship. He will sing the arias, The Enemy Said in Part II of the Oratorio and will also sing the Recitative throughout the work.

Margaret and Trevor Bevan, of Mayfield, will perform the duet, Thou in thy Mercy, in Part II of the Oratorio. Their children, Glenda and Paul, are choir members, too.

Tickets are available from the Civic Theatre and the Union Shop. Tickets for adults cost $5 and for children, students and pensioners $2.50.

Post for Historian

Mr. Jim Comerford is to be the next Convocation Visiting Scholar. He is a freelance writer, a retired Miners' Federation President, who is specialising in local mining history.

The appointment of Visiting Scholars was initiated by Standing Committee of Convocation in 1977, when the Committee made arrangements for Mr. P.A. Haslam, who is recording the history of local aborigines, to be attached to the University.

The present Chancellor, who has told the Standing Committee that he supports the Convocation Visiting Scholar Scheme, has arranged for Mr. Comerford to occupy an office for the period of his residency at the University.

It is expected that Mr. Comerford will be working on the campus for about two months. He will be able to mix freely with students and staff, but his main assignments will be a book on the Australian coal industry's convict period, including the penal settlement at Newcastle, and a book on mine disasters in Australia and New Zealand.

He says he is grateful to Convocation for giving him the opportunity to research and write these historical works, in particular to work in the Archibald Auchmuty Library. He has always scribbled and made jottings, he says, from the moment that he first went down the mine at the age of 14. At 16 he was involved in the bitter fight at Rothbury, and was out of work during the 1929-30 mines lockout.

Mr. Comerford was a member of the Miners' Federation from 1977 to 1973. Presently, he is State President of the Retired Miners' Association. During his retirement he has served in a number of advisory roles, including consultant to the Minister for Repatriation and Compensation and Senior Trainer for the Trade Union Training Authority.

He is a co-author of Mines, Wines and People, a history of Greater Cessnock, recently published by Cessnock Council, a commentator on industrial relations in international journals and well-known correspondent of the Newcastle Morning Herald.

New Leader

Mr. P.J. Miller, a Commerce graduate of the University, was elected unopposed as Warden of Convocation at Convocation's annual meeting on June 26.

Mr. Miller, whose term of office lasts for two years, took over the Wardenship from Mr. B.W. Relf.

A chartered accountant, he was a member of Standing Committee of Convocation from 1977 to 1980 and Treasurer for that period.

Mr. Relf has retained a place on Standing Committee as Immediate Past Warden.

Mr. R. Levi, Mr. B. Young and Mr. Miller retired from the Committee, having each completed the maximum term of office provided by the constitution.

Mr. H. Whitton, Mrs. M. Lance, Mr. H. Patterson and Mr. J. Armstrong resigned.

Mr. J. Skehan, Mrs. H. Turner and Mr. F. Swiney are new members of the Standing Committee.
New Book

Professor L.A. Summers, Assoc. Professor in the Department of Chemistry, is the author of a book entitled The Bipyridinium Herbicides, which has recently been published by Academic Press (London and New York). The bipyridinium herbicides, diquat and paraquat, are an important group of herbicides which are used world-wide in a variety of weed control situations. The book is the first one to deal comprehensively with all scientific aspects of the herbicides. It is a major reference work covering a wide variety of disciplines.

As well as three chapters devoted to the chemistry of the compounds, the book deals with the relationship between chemical constitution and biological activity, the fate of the herbicides in plants, animals, wild life and man, and environmental aspects.


Professor Summers joined the University of Newcastle in 1964. As well as The Bipyridinium Herbicides, he is the author of 105 research publications and, in addition, has presented several papers to national and international conferences. His research has received considerable financial support from Australian, Swiss and United States sources.

His main research interests involve synthetic organic chemistry, studies of the relationship between chemical constitution and activity in biologically active molecules, and organic mass spectrometry.

Credit Union - Loan Mark

You have probably noticed that the Directors of the Staff Credit Union are wearing broad smiles. On July 3, the Credit Union reached a milestone, akin to a batsman scoring his first maiden century, having passed the $1,000,000 mark for loans made to members.

For member Mr. John Gubbins, Senior Laboratory Craftsman in the Faculty of Engineering, the Credit Union's achievement was particularly welcome, for he was the applicant for the loan which pushed the Credit Union into the "millionaire class". To commemorate this event the Directors of the Credit Union resolved to provide Mr. Gubbins and his wife with an evening at a first class Newcastle restaurant at the Credit Union's expense.

Mr. Gubbins, who is married and has five daughters, can be described as a Credit Union stalwart. "I have been with the University for 10 years, commencing as a Laboratory Craftsman in Mechanical Engineering at Tighes Hill. We transferred to Shortland about the time that the Credit Union was established and I was one of the first group to join. My number is 82".

In his own words, the Credit Union was "truly the greatest thing the staff has ever had". For the working man who needed inexpensive loan funds and wished to save for a refrigerator, a holiday or some other purpose, it was a boon.

Mr. Gubbins feels so strongly about the great value of the Credit Union that he has recruited as many new members as he could. It was an unexpected thrill for him to be made the Credit Union's first "millionaire".

Membership of the Credit Union is available to employees of the University, the Union, Newcastle College of Advanced Education, full-time members of staff of the Students' Representative Council and the CAE Students' Association and members of their families. Any member of these organisations who are currently not a member of our Credit Union are invited to visit the Credit Union office where they will be welcomed by the happy face of Mrs. Helen Arendts.

Workshop Speaker

Professor K.R. Dutton, Head of the Department of Modern Languages, will be a speaker at a Workshop on Management in Higher Education to be conducted by the Institute of Higher Education of the University of New England.

The Workshop will take place from August 7 to 12 at the University of Sydney's Nepean Hall, Camden, and will be led by Dr. R. Bacchetti, Vice Provost for Management and Budget at Stanford University.

Other speakers will include Professor Sir Bruce Williams, of the University of Sydney, and Professor R.C. Gates, Vice-Chancellor of the University of New England.

Professor Dutton will discuss the role of academic staff in University management.
SPORT

The 1980 Students v. Staff Golf match will be held at the Steel Works Golf Links on Friday, July 25, at noon. Intending participants should contact the Activities Organiser (Mr. Jack Armstrong) on Extension 469. Teams will compete for the Vice-Chancellor's Trophy.

The 1980 Campus Scamper will be run on Wednesday, August 6, at 12.30 pm, starting at No. 2 Oval. Individual and team entries are now being accepted by Mr. Armstrong. The Commonwealth Bank awards a trophy to the winner.

Results of the Ladies' Autumn Squash Competition revealed that of the original 12 teams entered by the University six teams reached semi-final status, five teams contested the grand finals and three winners emerged - Grades C1, C4 and E3. Losing grand-finalists were B2 and E4. Congratulations are in order to all the teams involved for such sterling performances. Not to be outdone the Men's teams contested nine grand finals and won five in grades - ANZ, D2, F1(2), F2(1) and H3(2). Losers were C3, D3(1), E4(2) and F3(2). Another fine show. Well done!

University Cricket Club's annual general meeting will take place in the Basil Helmore Room in the Union on Wednesday, July 30, at 7.30 pm prompt. All players and intending players are advised to attend. On completion of business the meeting will adjourn to the Sportman's Bar in the Pavilion to partake of some light refreshment. Please telephone Mr. David Bell, Secretary, of the Club for further particulars on S1 231.

Opening hours for the Sportman's Bar:

Tuesday, July 8 6.30 pm
Thursday, July 10 6.30 pm
Friday, July 11 6.30 pm
Saturday, July 12 4.00 pm
Sunday, July 13 2.00 pm

A supper-dance (Disco) has been arranged in the Bar on Saturday, July 19, from 7.30 pm to midnight. Tickets were priced $2 each and are available for sale at the Pavilion Office, Sportman's Bar and Amenities Office.

In order to attract students and staff with a view to increasing membership of this recently formed club, a demonstration of billiards and snooker skills will take place in the Union Billiards Room on Thursday, July 10, from 7.15 pm to 9.15 pm.

The well-known professional billiard players and sneezer personality Mr. Phil Tarrant (un­defeated Australian Amateur Billiards Champion 1972-1974) will attend.

A cordial invitation is extended to all interested parties to view world-class talent.

University No. 5 (D.2 Grade-Men) won the Grand Final of their division in the Newcastle District Squash Association's Winter Competition. The match between University and Broadmeadow was played at the Wallsend Squash Centre.

Personal scores: Bruce Cheek (Computing Centre) 3-0, Albert Nymeyer (Mathematics) 3-1, Trevor Reading (Associate) 1-3, Richard Dear (Computing Centre) 2-3. Totals 9-7.

Michael Orange, Department of English, as Reserve, had previously contributed valuable wins in the semi-final and final matches.

Twenty-three men's teams, comprising 112 players, and 11 ladies' teams (52 players) will compete in competitions under the University flag. Presumably they will be "boasting" at some stage of the proceedings.

The NSW State Graded Badminton Titles were conducted at Avalon Beach Community Centre, in Sydney, over the June 14/15 weekend. An Associate member of the Badminton Club, Peter Chin, "brought home the Bacon" in both the Senior Singles and Senior Mixed Doubles events. Well done!

A good proportion of University Badminton Club members competed semi-finals in "B" and "C" Grades and were unlucky not to qualify for finals.

The opening hours in the Sportsman's Bar in the Pavilion:

July 1, 6.30 pm
July 3, 6.30 pm
July 5, 4.00 pm
July 5, 6.30 pm
July 5, 2.00 pm

Chair of Physics

Dr. Ronald J. MacDonald, presently Reader in Physics at the Australian National University, has been appointed to the Chair of Physics in the University.

Dr. MacDonald, spent much of his early life in the Newcastle Region. He was born in Branxton and went to Maitland Boys' High School. Later, he was a student of Newcastle University College at Tighes' Hill, completing a Bachelor of Science degree course in 1961.

Dr. MacDonald and Dr. Robert Ether were the first Newcastle graduates in Physics to receive First Class Honours.

The Vice-Chancellor announced the appointment of Dr. MacDonald to the Chair of Physics, which became vacant on the retirement of Professor C.D. Ellyett in 1979.

Dr. MacDonald obtained his Ph.D. from the University of New South Wales in 1965.

He has since lectured at the Australian National University in Canberra, with periods spent overseas as a Senior Research Fellow at the University of Sussex (1971) and as Visiting Research Scientist at the Max Planck Institute for Plasma Physics, Garching, West Germany (1970).

Professor MacDonald

Dr. MacDonald is internationally recognised for his research contributions in the field of surface physics and will be bringing to Newcastle the valuable research equipment which he has assembled with grants from the Australian Research Grants Committee and the National University. He has also been actively engaged in physics curriculum development and in professional activities of the Australian Institute of Physics.

Dr. MacDonald, who is 38 years of age, is married and has three children. He expects to take up his Chair next January.
Meet Mr. Hong

A two-year visit to the University as a postgraduate student commenced recently for Mr. Hui Min Hong, believed to be our first student from the People's Republic of China.

He is working in the Department of Electrical Engineering on a course in Control Theory in Mathematics leading to a research project.

Mr. Hong is a lecturer in Mathematics at Shantong University, who worked for a period as a control engineer at a fertilizer plant and an oil refinery. He is one of about 60 Chinese who have been accepted by Australian universities as students this year.

He explained that time was urgent for researchers in China today and his Government was making a determined effort to assist them to make contacts with, and gain knowledge from, overseas universities.

Born in Shanghai, one of the world's most populous cities with 12 million residents, Mr. Hong graduated from the University of Futan in Shanghai in 1957, having majored in Linear Algebra. Since then he has been attached to the Shantong University except for the period in which he was involved in industry.

He indicated that his interest in coming to the University of Newcastle to participate in a research programme was aroused when he read a book dealing with Control Theory by Professor Brian Anderson and Professor John Moore. About this time he began to pursue an interest in Applied Mathematics and to design circuits and instruments for automatic control systems. In preparation for his involvement in the course with the Department of Electrical Engineering he spent about a year learning how to speak English. Although he is apologetic about his prowess in this area, University Nova was impressed by the progress he has made.

Whilst he is in Newcastle he will not be able to be with his wife, a lecturer in Physics at Shantong University, and his two sons and one daughter. His past contacts with the University will be confined to a meeting with Dr. T.K. Sheng, Senior Lecturer in Mathematics, when Dr. Sheng visited China in 1979.

Arrangements for his postgraduate enrolment were made by the Australian Development Assistance Bureau.

AVCC acts on TEAS

The Australian Vice-Chancellors' Committee has been pressing the Government to make significant increases in the funding of the Tertiary Education Assistance Scheme and improvements in its administration.

It has urged that living allowances be increased, because it believes that the present allowances are inadequate for the purposes of the scheme.

The AVCC has also advocated that the dependent spouse and child allowances be increased, there be some form of automatic indexation of allowances and means test provisions be indexed.

AVCC representatives discussed its proposals with representatives of the Commonwealth Department of Education in early June without getting any encouragement that the Government would act. The AVCC proposes to persevere with its approaches to the Government for action.

Evidence of the need for increased allowances, the AVCC representatives indicated that there had been an increase in the number of applications for student loans and these indicated increased hardship being suffered by students.

They also pointed out that a recent survey of Student Finances undertaken by the Department of Education showed that there was a difference of approximately $900 between the level of full TEAS assistance and students' living expenses. The AVCC representatives suggested that the criteria by which students were judged to have "independent status" be changed in several ways. They proposed that the age limit be reduced from 25 to 21; that status be granted where students had been employed for at least one year and had supported themselves for two of the previous five years. The departmental representatives were not optimistic that changes would be made for 1981.

The AVCC also urged that the present level at which students' personal income (including income from prizes and other awards) affected their allowance be increased from $1500 to at least $2200.

Other matters on which submissions were made by the AVCC included difficulties in obtaining approval for courses which attracted TEAS, problems over second courses, difficulties in defining "full-time student", progression rules and a number of administrative problems.

Bank Lecturer

Mr. Maximilian Walsh, Managing Editor of the Australian Financial Review, will present the 1980 Bank of New South Wales Research Lecture in Finance at the University.

The special lecture is offered within the Department of Commerce by the Bank of New South Wales and the University. Mr. Walsh will speak on the subject Responsible Finance: Journalism in Lecture Theatre K202 on Tuesday, July 29, beginning at 5.30 pm.
Education Conference

In the period August 21 to 24 the University of New South Wales will be the venue for the annual conference of the Australian and New Zealand History of Education Society.

The conference will be held in New South Wales this year in recognition of the centenary of the NSW Public Instruction Act, which marked a new era in the development of education in the Colony and whose influence has survived almost to the present.

An important reason for the decision to hold the conference in Newcastle is that this University has not yet been host to an ANZHES Conference.

The conference will be opened by the Director-General of Education in New South Wales (Mr. D. Swan).

While many of the 17 papers to be presented at the conference are on aspects of New South Wales education, some attention will also be given to other facets of Australian and New Zealand education.

The conference will be followed immediately by a conference of the Philosophy of Education Society. It is hoped that some visitors will be able to attend both conferences.

Among the topics to be discussed in the History of Education Conference are:


Dr. Andrew Spaul will give his presidential address on The Biographical Tradition in Australian Educational History: the Case of G.T. Spaul.

An evening session will be devoted to an illustrated talk on the activities associated with the official celebration of the centenary of the 1880 Act. The New South Wales Department of Education has produced a range of teaching aids for use in schools and elsewhere to mark the 1880-1980 centenary. Some of these will be shown during the conference.

Visitors to the conference are welcome. The conference lasts from 7 pm Thursday, August 21 to noon on Sunday, August 24. A Registration Fee of $18 has been fixed for members of ANZHES and $25 for non-members. A daily rate is available for non-members.

A set of Conference Papers will be available before the conference opens.

The Newcastle Organising Committee consists of Dr. Alan Barcan, Mr. John Ramsland and Mr. J. McQuater, all of the Department of Education. Details of the programme are available from Dr. Barcan. Persons interested in registering for all or part of the conference should contact Mr. McQuater (Extension 460).

Puppets

The University Women's Group has extended a cordial invitation to attend its next meeting, which will be held in the Special Functions Room of the Great Hall on July 17 at 8 pm.

Mr. James Bennett, postgraduate art student at the College of Advanced Education and well-known locally as a puppeteer and puppet-maker, will speak on his experiences while living in a Javanese Kampung last year. Sponsored by the Indonesian Government, he studies puppet carving. Techniques of shadow puppetry will be demonstrated.

A light supper will be served and the charge will be $1.50.

Any men or women connected with the University will be very welcome, but to assist with catering, please let Phillipa Powis (33 2262) know that you are coming by Monday, July 14.

Newcastle University Union Arts and Craft Exhibition

21st - 25th July

Entries Needed. U N I T E D S T U D E N T S O N L Y

Categories:

Paintings

Sculptures

Mixed Media

Watercolours

Prints

Entry forms available from Finance Office, 3rd Floor, Old Library.

Final Night Party: Held in the Union Bar. Wear what you like. **Present your University ID Card. **

Staff House News

A Happy Hour will be held from 4.30 pm to 5.30 pm on Fridays, starting July 17, instead of through salary deductions. Announcements are reminded that subscriptions for 1980-81 ($29.90) are now due and should be paid immediately to the Treasurer (Mr. P. W. Day). This subscription remains unaltered from last year.

Members who pay annually instead of through salary deductions are reminded that subscriptions for 1980-81 ($29.90) are now due and should be paid immediately to the Treasurer (Mr. P. W. Day). This subscription remains unaltered from last year.

Members who have paid their subscription for 1980-81 may apply for a 1981-82 subscription. This must be done in writing to the Treasurer. The Treasurer will allow new members joining during 1980-81.

Special arrangement will apply for all or part of the subscription. For full details, these members should contact the Treasurer on Extension 196. Special arrangements will apply for new members joining during 1980-81.

Special Studies Grants

Each year, the Australian-Asian Universities Co-operation Scheme offers a number of studyleave grants to encourage the exchange of staff between associated universities in Indonesia, Malaysia and Singapore and universities in Australia. The disciplines covered are as follows:

Indonesia - Plant and Animal Production, Agricultural Economics, Basic Sciences, Food Science and Technology, Population Studies, Technical Services, Teaching of English as a Foreign Language and Librarianship.


Singapore - Commercial and Environmental Studies.

Grants to Australian staff are subject to a minimum of 90 days residence at the host university, during which recipients are required to contribute to staff upgrading through teaching and/or research in the faculties to which they are attached. The value of the grants for the financial year July 1, 1980, to June 30, 1981, for Australian applicants are:

To Indonesia, $4,600;
To Malaysia, $4,250; and
To Singapore, $4,000.

The grants are payable through the home universities of recipients.

Applications are invited at any time and will be considered on June 30 and December 31 annually.

Further information may be obtained from Assoc. Professor Peter Irwin, C/- the Department of Geography (Extension 665).
New Members of Council

Dr. Peter Hendry, a Newcastle pathologist, has been elected to the Council as a Convocation member.

Mr. Brian O'Shea, Lecturer in Commerce, has been elected to the Council by members of the academic staff.

The Very Rev. Robert Beat, Anglican Dean of Newcastle, has been elected as a Convocation member of the Council.

Mrs. Elizabeth Morrison, Head Teacher of Humanities at Newcastle Technical College, has been elected as a Convocation member.

Emeritus Professor Clif Eliyett, formerly Professor of Physics at the University, also has been elected as a Convocation member.

Morpeth Lectures

The 1980 Morpeth Lectures will be by Professor David Frost on Up-Dating the Bible.

There will be two Morpeth Lectures - on June 30 and August 6 - and the place of the meetings will be BOL.

The Morpeth Lectures are arranged each year by the University and the Anglican Diocese of Newcastle. The aim is to present to clergy and interested laymen of all denominations a theologian of international stature discussing an important area of Christian Scholarship. Professor Frost is Professor of English at the University and Chairman of the Religious Studies Committee. He has been a member of the Liturgical Commission of the Church of England since 1969 and of the Liturgical Commission of the Church of England in Australia since 1978.

He was the translator of the Psalms, with the assistance of Hebrew scholars, both for England and Australia, work which manifested in the publication of An Australian Prayer-Book (1978) and An Alternative Service Book (1980).

Professor Frost will discuss Problems of Literary Translation in the Morpeth Lecture on July 30 at 8 pm and The Use of New Translations in Church Worship in the Morpeth Lecture on August 6 at 8 pm.

Nine-tasting & Dinner

New releases from vineyards owned by members of the Small Hunter Winemakers' Guild will be tasted at a joint meeting of the Hunter Valley Branch of the Australian Federation of University Women and Convocation.

The evening will be a smorgasbord dinner and wine-tasting, beginning at 7 pm. As Convocation’s membership includes many members of the AFUW, it has become a convention to hold an annual function combining the members and interests of the two graduate bodies.

The Small Hunter Winemakers Guild comprises Murray Robson's Vineyard (probably the smallest in the world, with only 10 acres under vine), Jim Roberts' Belleville (first planted in 1964), Dr. Lance Allen's Tamburlaine (successful from its first vintage in 1971) and Ron and Kay Hansen's wollundry (a 60-acre venture with equal proportions of reds and whites).

Representatives of the Winemakers' Guild will be present at the dinner to comment as the wine is tasted.

300 Universities

Senate News

The Vice-Chancellor reminded July Senate that the New South Wales Higher Education Board had expressed the view that there was an increased need for improved consultation and co-operation between the University and the Newcastle College of Advanced Education and suggested that a meeting be held between the two institutions on the matter. He reported that arrangements had been made for representatives of the University and the College of Advanced Education to gather for a meeting, to be chaired by the Chairman of the Higher Education Board (Mr. R. Parry). At the meeting there would be five representatives of the University, including the Vice-Chancellor, and five members of the College’s administration, including the Chairman of the Staff Committee (Mr. L. L. Gibbs). The meeting would be held in the Council Room in the afternoon of July 22.

The Vice-Chancellor said that he would be appreciative if Heads of Departments could inform him about major applications made to companies for financial support. He had been concerned by the large volume of approaches being made and had sought advice from the Council on whether the applications should be co-ordinated and submitted by the University, or issued by enthusiastic members of staff. The Council had taken the view that he should be kept informed about all major approaches for funds.

Staff

Mrs. Jennifer Brown, stenographer, Personnel Section, was delivered of a baby girl, Alison, on Sunday, July 6. Incidentally, July 6, happens to be Jenny’s birthday. Baby Alison weighed in at 7 lb 9 ozs.

Research Grants

Two research grants valued at $56,500 have been received by staff of the Department of Electrical Engineering. The Defence Research Centre, Salisbury, has made a grant of $39,000 for two years to Assoc. Professor A. Cantoni for work on Adaptive Signal Processing for Arrays.

The research was aimed at developing techniques for processing signals to detect sources using antenna arrays. Telecom has made a grant of $17,500 for two years to Assoc. Professor G. Goodwin for work on Adaptive Digital Hybrids for use on Digital Subscriber Loops. The research will be aimed at the development of digital techniques to allow additional services on telephones and also to enable the use of computer-controlled exchanges.

Teacher Shortage - Great Effect

The desperate shortage of teachers in the physical sciences and mathematics has caused a crisis which is rapidly overtaking the British schools system, says a report in a recent issue of Careers Weekly of Monash University.

The report was originally printed in the Annual Report of the Appointments Board of the University of Hull for the year ending September, 1979. The Appointments Board contends that the sensationalised publicity given to "teacher unemployment" has tended to mask the fact that, according to reliable reports, there is an immediate shortage of more than 6,000 teachers in physical science and mathematics.

"The procedures for the recruitment of teachers to the State system, as I am informed, will in the future involve an applicant being placed on a list as soon as he or she is qualified and has applied to the Department of Education.

Recruits will be selected from this list in order of application; no attention being paid to honours degrees or other superior academic or professional merit. "This procedure will no doubt induce most young people wishing to enter the teaching profession to seek the minimum acceptable qualifications for such a career," he said. "Honours degrees or even University degrees will become a rarity in such a service."

"The present situation in New South Wales affords a unique opportunity to upgrade the teaching of mathematics and the physical sciences in secondary schools. Unless I am mistaken, this opportunity will not be taken; indeed the opposite will occur," Professor Keats added.

Professor R.G. Keats, Professor of Mathematics, commented that sensational publicity had also been given to "teacher unemployment" in Australia and was having a marked effect on the first year enrolments in the physical sciences and in mathematics.

"The effect is possibly masked to some extent by the increased enrolments in the Faculty of Engineering, following publicity concerning the current shortage of some types of engineer," Professor Keats said.

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The extract from the University of Hull’s report added that concern was also caused by the quality of graduates entering science teaching, since the vast majority did not have good honours degrees and, indeed, many had thirds or pass degrees. It said that teaching was not a career suitable only for the academically less able graduates; the profession desperately needed lively, enthusiastic and able men and women.
Foundation Chair Filled

Professor Jeffrey Robinson and Dr. John Falconer have recently taken up appointments as Professor of Reproductive Medicine and Professional Officer in Reproductive Medicine respectively in the Faculty of Medicine.

A native of Northern Ireland, Professor Robinson has carried out research at the Nuffield Institute for Medical Research in Oxford for the last 10 years, except for a one-year break.

At the University of Newcastle he and Dr. Falconer will continue experiments as part of research which has earned Professor Robinson a substantial international reputation as a fetal physiologist and made him a recognised authority on the management of high risk pregnancy. They will work largely with pregnant sheep and one of their first tasks, according to Professor Robinson, will be to establish an assay for somatomedins, i.e. family of growth factors, rather like insulin.

Professor Robinson, who is 38, holds a B.Sc. (Anatomy) degree with First Class Honours and M.B., B.Ch. and B.A.O. degrees in Queens University, Belfast.

Dr. Falconer, aged 27, is a Zoologist who holds a Ph.D. degree in Animal Physiology.

Professor Robinson left Oxford and returned to Belfast in 1973 for 12 months during part of which he was Registrar in Obstetrics and Gynaecology at the Royal Maternity Hospital and the Royal Victoria Hospital.

He explained that his principal research interest had centred around the growth and development of the fetus. In particular he was experimenting with inter-uterine growth retardation in an attempt to understand factors which restrict fetal growth when placental growth is restricted. He has also been interested in sleep state and breathing movements of the fetus.

Professor Robinson said that his interest in the Foundation Chair of Reproductive Medicine at the University was first aroused by the title. The Faculty of Medicine had chosen to use Reproductive Medicine rather than the more conventional Obstetrics and Gynaecology.

"When I visited the Hunter Region one attraction was the fact that the Region is fairly well defined and should allow the development of a local organisation for the management of high risk pregnancies". His clinical activities will be largely based at the Mater Misericordiae Hospital, Waratah, where he will also have an office, but Professor Robinson and Dr. Falconer will do most of their research in the Faculty of Medicine.

Both Professor Robinson's wife, Elspeth, and Dr. Falconer's wife, Elizabeth, are looking at accommodation possibilities before buying homes in Newcastle.

It might be a little surprising to learn that neither couple has so far produced offspring.

Message - Students on Council

Michael Zammit and Stephen Date have written as follows:

The University Council is the body which governs this University and makes decisions relevant to the operation of the administration, academic functions and student welfare on campus. Its total number being 26, the students elect two members for periods of two years in office. They are there to represent student issues, and have been active in bringing to Council's attention, the needs of resident students, part-time students, overseas students and matters of student housing, transport and other affairs.

The present members are Michael Zammit and Stephen Date. Both can be found in the Union most days and are available for private interview in Temporary Room T31. Both have expressed the desire to help students with any problems (academic or administrative) which may arise.

After hours Mr. Date can be telephoned on 61 3826, and Mr. Zammit is residing in Room 118, C Block, Edwards Hall.
Future Research Concerns

Low academic staff turnover stood out as a problem for future research in Australia. According to Professor Brian Anderson, another problem is the high number of postgraduate students, which is likely to decrease.

Many people in the past undertook postgraduate study in order to become qualified for a university position, he said. "By no means is this now a sensible objective. It is by no means clear that an expansion of industrial research and development will, for some departments, cause a flow of students to be maintained."

Professor Anderson, Professor of Electrical Engineering, was guest speaker at the annual general meeting of Convocation of the University in the Staff House.

A consequence of lower postgraduate student throughput, he said, was a more rapid process of intellectual ageing of permanent staff. Another was that those academic staff who required research assistance would have to pay salaried individuals, rather than graduate students, and this imposed an increase burden on their sources of support.

"On the subject of the major precept the University of Newcastle, Professor Anderson said the main precept he wanted to lay before Convocation members was that the University should emphasise research in the areas where it was most successful.

"For a long time we have had some mission-oriented bodies supporting research in universities - the National Health and Medical Research Council, the Radio Research Board and so on; more recently, we have had NERDC.

"One scenario is that such bodies will proliferate and the universities' dependence on them will grow. The money is attractive, but the freedom to choose research goals is roughly inversely proportional to the money provided to meet those goals.

"Second, the implicit social contract that so far has existed between researchers and the public and lets researchers do their own thing could conceivably be rewritten, with great cost to universities, simply as a result of the mere involvement of universities in things like genetic engineering, nuclear energy, microprocessors, petroleum geology, behaviour modification and the like - all areas that have the potential to stir up public emotions."

"The difficulty with implementing the precept is that there is but a finite amount of resources available, which have to be carefully husbanded. To distribute these resources while observing the precept, it is necessary to rob Peter to pay the excellent Paul more.

"The excellent are in a minority, so that the precept connotes a policy which is contrary to the self-interest of the majority. Even in an elitist institution like a university, elitism sometimes sits uncomfortably."

And, Professor Anderson said, aside from these practical, or political, considerations, it was important not to overlook another group of claimants to research funds - the unemployed.

"He then asked to what extent should the University's research be attuned to local, regional, state, or even national problems, as opposed to being uncommitted?"

One small note of caution could, however, be injected, he said, to the extent that universities were the one class of institution in the community whose role was to do research with long-term ideas in mind. A research activity, very heavily concentrated on comparatively short-term problems, might damage the capacity to live with the longer-term problems.

"But in the list there were activities which are not research - for example the monitoring of air pollution and the statistical study for the Water Board. Should we be doing this sort of thing?"

"My answer is yes, but to a limited degree. Though our twin goals are teaching and research, they need not be exclusively so. If special talents or equipment exist outside the university, or if the government agency whose job it is to do air pollution monitoring or studies of water consumption does not exist, or does not have the manpower, the university acquires some obligation.

"But, like the discharge of many obligations, the discharge of this one can bring benefits. The work, though not research, can inject a valuable leavening into the teaching of a professional course; and it can provide for some staff members a greater level of satisfaction than "pure" research," Professor Anderson noted.
Union News

Professor Manning Clark, the distinguished Australian historian, has accepted an invitation to address the Union Dinner in the Southern Cross Lounge on September 14.

A cold water fountain will be installed in the gallery near the entrance to the Common Room very soon.

A by-election for a vacant position on the Board is in progress. The candidates are Christopher Radecki and Alan Leslie Cartwright.

Ms S. Wotton has resigned from the Board and a by-election is to be held. The vacancy will be filled by a member elected by students. Nominations for the position close on July 16 and polling will take place from July 21 to 25 between 10am and 6.15pm in the Union Office.

The Billiards and Snooker Club meets in the Billiards and Snooker room every Thursday at 5pm. All are welcome.

Finally, the following motion was passed by the Board:

"That there be no discrimination on the basis of sex re the hiring of trenchers and that more trenchers be purchased to cover increased demand".

Advertised

Hersu Lives

Although the research section of the Higher Education Research and Services Unit no longer functions, the audio-visual section continues as the Central Audio Visual Services Unit (CAVSU) and still occupying part of the Temporary Buildings.

CAVSU provides the audio-visual services that HERSU provided in the past. However, the cost of photographic work has increased; the new price list, effective from July 1, is:

- Photographic Work - 35mm slides 50¢
- Black & White prints 50¢
- Colour (no enlargement) 1.10
- Colour (with enlargement) 1.60

For Sale

1977 (GO) CHRYSLER GALANT GL S/WAGON: T-bar auto., radio, air-conditioner, rust-proofed, anchors for baby basket harness; 45,000 km, original owner with log book; available last week in August - will be registered to July 81; $4,750 or nearest offer. Please telephone: 685 724 or 48 7037.

Photographic Equipment: Maxwell Electronic Flash Union Model 222-N, used only once $80. Please contact Kibra, Room 127 Economics and Commerce Building or telephone Extension 551.

Museum Post Available

Newcastle Region Maritime Museum, Fort Scratchley, is to advertise the position of Administrator/Curator. Tertiary qualifications in the field of history and/or museum studies are essential and proven administrative ability and a knowledge of museum displays is desirable. The salary is negotiable to $15,000. The appointment is for one year with probability of renewal on an annual basis.

For Sale - Architect Designed Home

Brick veneer three bedroom home, hobby-room, two toilets in bushland setting, landscaped in named flora species attracting many kinds of birds to lovely garden in Valentine. For further particulars please telephone Mrs. Black, 46 8437.
Diary of Events

Thursday, July 10
Noon
FILM - Who's Killing the Great Chefs of Europe. Admission 50 cents.

Friday, July 11
Noon
Department of Mathematics Seminar. Dr. Derek Holton, from the University of Melbourne, will speak on Going Around In Circles in Room V107 (Mathematics Building).

2pm to 3.30pm
Department of Civil Engineering Seminar. Professor I.A. MacLeod, Head of the Department of Civil Engineering, Paisley College of Technology, Scotland, will give a lecture on Some Problems in Analysis and Design of Building Structures in Room EAG01 (Engineering Complex).

8pm
Departments of Legal Studies and Community Programmes will offer a public lecture and forum on Recent Developments in South Africa. Professor Donald Thompson, Dean of Law, University of Transkei will present the lecture in Room R04. (Geography Building).

Monday, July 14
11am
Department of Mathematics special seminar in Combinatorial Computing. Professor R.C. Read, who is visiting from the University of Waterloo, will present seminars on the generation of graphs by computer in Room V126. (Mathematics Building).

Tuesday, July 15
6.30pm to 8.30pm
JAZZ in Stan's Bar - Nothing But.

7.30 pm
残菊物語

Wednesday, July 16
10am
Department of Mathematics special seminar in Combinatorial Computing. Professor R.C. Read, who is visiting from the University of Waterloo, will present seminars on the generation of graphs by computer in Room V126. (Mathematics Building).

1pm
2NX/COCA COLA CONCERT - Dave and the Derros.

Thursday, July 17
FILM - Godfather, Part I Admission 50 cents.

Friday, July 18
Biological Sciences Ball.

Sunday, July 20
Newcastle Film Society presents THE CARS THAT ATE PARIS (P.Weir, Australia, 1975). The part of the title is a small Australian country town, which lives by luring passing motorists into planned 'accidents' and then looting cars and victims. 801.

Monday, July 21 to Friday, July 25
Art Exhibition - Southern Cross Lounge.

Department of Mathematics Seminar. Professor Curt Lindner, who is visiting this Department from Auburn University, will speak on A Survey of Embedding Theorems for Steiner Triple Systems in Room V126 (Mathematics Building).

Tuesday, July 22
1pm
PLAY presented by Freewheel and Education Team - Coal Soap.

7.30 pm
ばんじ

Wednesday, July 23
0.15am
1pm

Thursday, July 24
Noon
Department of Sociology Seminar. Mr. John Collins, Community Programmes, will speak on The Coal Invasion: Response by an Australian Rural Community.

2.10pm
WEDNESDAY, JULY 30
0.15am

SUNDAY, JULY 27

The Institution of Engineers, Electrical Engineering Branch Meeting. Professor H.K. Messerle, Head, School of Electrical Engineering, University of Sydney, will speak on Prospects of M.H.Q. for Hunter Valley Power Stations. Lecture Theatre EFG2 (Engineering Complex).

Next meeting of Newcastle Group of the Institute of International Affairs. Speakers will be Dr. Daphne Keats and Professor John Keats. Their topic will be China Views the Western World: a Scientist's Perspective. Room R02 (Geography Foyer).

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