COUNCIL ELECTIONS

The names of persons nominated in the Council Elections are published on the Noticeboard at the head of the main stairway in the Main University Building. They are:

Two Members to be elected by the Members of the Academic Staff Being Professors

- Professor B.D.O. Anderso
- Professor F.M. Henderson
- Professor L.N. Short

One Member to be elected by Members of the Academic Staff other than the Professors

- Mr. P.N. Chopra
- *Mr. R.McL. Robinson

One Member to be elected by Members of Staff other than the Academic Staff

- *Mr. M.E. Edmonds

As only one nomination had been received, Mr. Edmonds has been declared elected to the Council for the period 1st July, 1972 to 30th June, 1974.

Five Members to be elected by Convocation

- *Mr. C.B. Belcher
- *Mr. E.J. Buckman
- Mr. C.J.A. Cornelius
- *Mr. W.G. Derkenne
- Mr. G.S. Habgood
- *Mr. K.H. White

*Present Member.

Ballot papers will be sent by post or delivered to each person entitled to vote on Friday, 26th May, 1972 and be required to be completed and returned to the Returning Officer, Mr. J.D. Todd, so as to reach him no later than 12 noon on 14th June, 1972.

DEATHS OF A MEMBER AND OF A FORMER MEMBER OF THE ACADEMIC STAFF

The University has suffered a great loss in the deaths of Mr. G.H. Harle, Senior Lecturer in Physics, and Mr. F.L. Ward, a former Senior Lecturer in Chemistry.

Mr. Harle graduated from the University of Sydney in 1939 as a Bachelor of Science and in 1941 as a Master of Science.
Dr. S.C. Baker, Senior Lecturer in Physics, wrote of his former colleague:

"He attained the M.Sc. at a time when Australian Universities did not award a Ph.D. The M.Sc. at Sydney was an Honours Degree, and in Australia was considered at least equal to many European and U.S. Ph.D.'s.

"After graduating he remained at the University of Sydney as a Tutor/Demonstrator in Physics.

"During the Second World War he worked under Professor O.U. Vonwiller for the Optical Munitions Panel in an annex in the Physics School, University of Sydney. He was concerned with the re-conditioning of binoculars handed in by the public, construction of optical predictors (before radar) and especially in the construction of precision graticules for a range of optical instruments".

After the War, Mr. Harle was a Temporary Lecturer in Physics in the University of Sydney until 1954 when he was appointed a Lecturer in Physics first with the Department of Technical Education and then with the New South Wales University of Technology. In 1956 he joined the staff of Newcastle University College as a Lecturer in Physics and was promoted to a Senior Lectureship in 1967.

Writing of Mr. Harle's service in Newcastle, Dr. Baker said:

"At first he wanted to set up an optical workshop at the Newcastle College and he did some preliminary work. However, he gradually became interested in modern theoretical work in Electromagnetism and abandoned experimental work. Probably his professional competence in Electromagnetic Theory was at least the equal of any one in Australia. Unfortunately, as far as I am aware, he did not publish any work after he left the University of Sydney.

"While I was on leave in 1963 he took over planning for the present Physics building at Shortland and with Mr. Daniels did a very good job".

Mr. Ward was an Associate of Sydney Technical College, a Master of Science in the University of Queensland and a Fellow of the Royal Australian Chemical Institute. He was a Teacher of Chemistry with Sydney Technical College before joining the staff of Newcastle Technical College in 1936. Mr. Ward was appointed Deputy Lecturer in charge of the Chemistry Department of Newcastle Technical College in 1947 and Senior Lecturer in 1948, a position which he held subsequently with Newcastle University College and the University. He retired in 1969 from the University's service but continued as a consultant and public analyst.

Professor W.F.J. Pickering, Head of the Department of Chemistry and a colleague of many years of Mr. Ward contributed the following:

"Francis L. Ward, who died suddenly on the 1st May, will be remembered far into the future because of his selfless devotion to good causes and his contributions to tertiary education in the Newcastle area, over a period of nearly forty years.

"Frank", as he was known to thousands of students and friends, graduated with a Master's Degree from the University of Queensland in the late 1920's and worked for some time with an oil company. After a short period at Sydney Technical College, F.L.W. came to Newcastle Technical College in 1936 as a teacher of Chemistry. By the time the University College was established in 1952, Frank's bright and breezy approach to lectures had helped hundreds of Newcastle people towards Technical College certificates and diplomas.

"In the early days of the University College, Mr. Ward was appointed as a Senior Lecturer and served as the local Head of the Chemistry Department until the appointment of Professor Allen as Head of the Division of Science in 1958.

"Throughout his life, Frank was always sympathetic to the problems of others, and spent much of his spare time in outside activities such as sporting clubs and masonic groups. The positions of eminence he achieved in all these various endeavours reflect the effort he was prepared to devote in the interest of others."
"When he retired from the Chemistry Department in 1969, his large circle of friends hoped Frank would enjoy many years of bowls and other pleasant social activity. This was not to be, but F.L.W. leaves behind a host of grateful students and a multitude of citizens who have benefited from his lifetime of service!"

Tributes paid by the Vice-Chancellor.

"Mr. Harle was sufficiently in the confidence of his colleagues to have been Secretary of their Staff Association. He made a major contribution to the activities of the Department of Physics and his skill, competence and efficiency had frequently been drawn to the Vice-Chancellor's attention. Mr. Harle had given great service to the University during its evolution to independent status!"

"Mr. Ward at all times played an active part in Newcastle University College and Newcastle's community life. He was well-known to members of the bowling fraternity, while also having been a President of Newcastle Rugby Union. He took a great interest in the development of the University of Newcastle and proved himself a most congenial associate to successive colleagues as the college and university expanded!"

THE CAMPUS AT NEWCASTLE BROCHURE

A limited edition of a new brochure entitled "The Campus at Newcastle" has been published by the Secretary's Division. It contains a recent map of the campus showing buildings and roads. The site is described and the principles behind the master plan for development are given.

Copies of the brochure may be obtained from Miss E.J. Bale (Room G 67).

NEW UNIVERSITY CHAPLAINS

Presbyterian

The Reverend Hank Kat, B.A., B.D., Minister for Lambton-New Lambton-Kotara Charge and formerly Minister of Hillston-Gunbar Charge has been nominated as Chaplain - Presbyterian to the University of Newcastle. Prior to that he served the Dutch Congregation in Sydney under the jurisdiction of the Presbyterian Church. The nomination has been accepted by the Vice-Chancellor.

The Reverend Kat succeeds The Reverend H.V. Barratt, B.A. (Sydney).

Roman Catholic

Much interest has been stirred up in the last couple of weeks with the arrival from Spain of Father Guillermo Tejon to take up his appointment as Catholic Chaplain to the University. Father Tejon, who takes over as Chaplain from Father L.A. Larkin, is one of three Dominican priests appointed to the Parish of Shortland.

Father Tejon's first degree was taken after eight years of theological study at the St. Theresa of Avila College in Spain. He then went to Oxford and graduated with a Bachelor of Literature in Modern History. Father Tejon's next posting was to Manila, where he was engaged in a wide variety of activities for 14 years: many of these activities were associated with the St. Thomas University, which is the Catholic University of the Philippines, and has been in existence since 1611. Here Father Tejon completed his Doctorate of Philosophy, and held several administrative posts. He was Vice-Rector of Academic Affairs, Prefect of Libraries and held positions in the School of Medicine and the University Hospital. In addition, Father carried out the usual duties of a parish priest and conducted several retreats and conferences.

While in Manila, Father Tejon wrote several pamphlets and in 1970 he published a book "The Fourth Day", the first edition of which is now out of print.
From Manila, Father Tejon returned to Spain, and shortly afterwards received his appointment to Newcastle University.

ANNUAL MEETING OF CONVOCATION

The Annual Meeting of Convocation was held in the Staff House on 5th May. Four members of the Standing Committee, Mr. P.D. Alexander, Mr. G.D. Butler, Miss E.M. Kane and Associate Professor C.S.L. Keay retired under the provisions of the Constitution. A fifth vacancy on the Standing Committee occurred when Mr. J.P. Talty, Immediate Past Warden, became Deputy Chairman under an amendment to the Constitution. Mr. J.W. Armstrong, Mr. C.J.A. Cornelius, Mrs. E.G. Hamilton, Mr. J.R. Hoffman and Mr. P.A. Marquet were then elected to the Standing Committee.

The Acting Vice-Chancellor, Professor B. Newton-John, gave a brief report on University events.

The large audience heard a stimulating address on plans envisaged for Sydney when Alderman Leo Port of the Sydney County Council and a panel member of the A.B.C.'s T.V. Show, "The Inventors", spoke on "Some Aspects of the Sydney Strategic Plan". Alderman Port presented the Warden of Convocation with a copy of the book, "The City of Sydney Strategic Plan".

BANGLADESH - PLIGHT OF STAFF AND STUDENTS OF THE UNIVERSITY OF DACCA

The Vice-Chancellor of the University of Dacca, Bangladesh, has written to our Vice-Chancellor requesting help for staff and students of his University. In support of his appeal, the Vice-Chancellor, Dr. Muzaffar Ahmed Chaudhuri, submits the following:

(i) Bangladesh became a sovereign state on December 16, 1971. She achieved her independence by going through a terrible blood bath. The Pakistan army inflicted a genocidal war on the people of Bangladesh. It began on the night following March 25, 1971 and continued till December 15, 1971. Men, women, children, students, teachers, workers, farmers, officers, political leaders, members of the legislature, engineers, doctors, lawyers, members of the Bengal Regiment, Bengal Rifles, Police, Ansars and others were killed. About 3 million people from all walks of life were killed.

Many villages, towns, district and Sub-divisional headquarters and thousands of houses were razed to the ground. Most important centres of commerce and business were bombèd out of existence. The whole communication system was put out of gear. All kinds of economic activities and transactions came to a stop. The entire economy was very badly shattered.

(ii) Ten million people of Bangladesh fled to India for fear of life. Most of their properties were destroyed and looted away.

(iii) The University of Dacca had been a special target of the Pakistan army. The residential halls and dormitories of the University students, residential quarters and houses of the teachers and administrative staff were the objects of the Pakistan army's brutal attack. University buildings and Science laboratories suffered very badly. All these would cost us about 50 (fifty) lakhs of rupees to repair and to put them in working condition. Even the furniture and crockeries of the various residential halls were broken to pieces. This alone would cost us a sum of Rs. 10 (ten) lakhs.

Nineteen of my senior and valued colleagues, including three Heads of Departments, one Medical Officer and twenty six other employees were killed. The University is called upon to look after their families.

The University Library also lost a few thousand volumes. Teachers and students borrowed books from the Library before the 25th March, 1971 but they had to run away from their houses and halls when the Pakistan military machine went into action. The army in most cases burnt the books, looted away and destroyed their properties and belongings. Students suffered most. All their books and belongings were either burnt or destroyed or looted away.
Many of the students joined the liberation struggle. The Pakistan army with the help of the local collaborators went down to their village homes, killed their parents and near relatives and destroyed their properties. Most of them are rendered destitutes. They have nothing on which to fall back. Ninety per cent of the students belongs to this category.

We have on the roll 10,000 students and 500 teachers. We have made the following calculations to help the students:

(a) Each student should be given a sum of Rs. 700.00 at a time to buy books and necessary clothings. This will cost us a sum of Rs. 70,00,000.00.

(b) A student needs a sum of Rs. 100.00 per month for his bare maintenance. According to our calculation they will need this monetary assistance for a year and a half. After that we hope that the economy will be stable and many of them then will be able to finance their education. This will cost us a sum of Rs. 1,80,00,000.00 for the period.

(c) There is also an acute shortage of basic and fundamental books in all branches - arts, social sciences and natural sciences.

(d) Our resources are almost negligible. With our resources, we are wholly unable to cope with the problems.

In the circumstances, I would appeal to you and through you to your University and to the fellow colleagues and students to see whether it is possible for them to come to the rescue of their suffering fellow brothers and sisters in this University in Bangladesh.

POSITIONS AVAILABLE

Personnel and Industrial Relations

Applications are invited for the position of Clerk within the Bursar's Division who will be required to assist with industrial relations and personnel tasks. Applicants should have previous working experience in these fields and possess the Technical College Personnel Administration Certificate or other relevant formal qualifications acceptable to the University.

Salary will be within the range of $5,478 - $6,500 p.a. depending upon qualifications and experience.

SCHOLARSHIPS, AWARDS AVAILABLE

Student Administration has further information about the following Scholarships and Awards:-

Master of Business Administration - University of Strathclyde Division of the Scottish Business School

The M.B.A. course is broadly based and intensive and extends over a period of 12 months beginning in mid-September. The fee, subject to periodical review, is at present £75 for United Kingdom students and £250 for overseas students.

Candidates must normally possess a first or second class Honours degree of a British University or an acceptable equivalent qualification.

It is in the interest of applicants to apply before the end of April. Applications received after that date may be considered.

Courses and Summer Schools in Britain

The programme of courses and Summer Schools is designed to give professional people from overseas a survey of the latest developments in Britain in the particular
From Manila, Father Tejon returned to Spain, and shortly afterwards received his appointment to Newcastle University.

ANNUAL MEETING OF CONVOCATION

The Annual Meeting of Convocation was held in the Staff House on 5th May. Four members of the Standing Committee, Mr. P.D. Alexander, Mr. G.D. Butler, Miss E.M. Kane and Associate Professor C.S.L. Keay retired under the provisions of the Constitution. A fifth vacancy on the Standing Committee occurred when Mr. J.P. Talty, Immediate Past Warden, became Deputy Chairman under an amendment to the Constitution. Mr. J.W. Armstrong, Mr. C.J.A. Cornelius, Mrs. E.G. Hamilton, Mr. J.R. Hoffman and Mr. P.A. Marquet were then elected to the Standing Committee.

The Acting Vice-Chancellor, Professor B. Newton-John, gave a brief report on University events.

The large audience heard a stimulating address on plans envisaged for Sydney when Alderman Leo Port of the Sydney County Council and a panel member of the A.B.C.'s T.V. Show, "The Inventors", spoke on "Some Aspects of the Sydney Strategic Plan". Alderman Port presented the Warden of Convocation with a copy of the book, "The City of Sydney Strategic Plan".

BANGLADESH - PLIGHT OF STAFF AND STUDENTS OF THE UNIVERSITY OF DACC.

The Vice-Chancellor of the University of Dacca, Bangladesh, has written to our Vice-Chancellor requesting help for staff and students of his University. In support of his appeal, the Vice-Chancellor, Dr. Muzaffar Ahmed Chaudhuri, submits the following:

(i) Bangladesh become a sovereign state on December 16, 1971. She achieved her independence by going through a terrible blood bath. The Pakistan army inflicted a genocidal war on the people of Bangladesh. It began on the night following March 25, 1971 and continued till December 15, 1971. Men, women, children, students, teachers, workers, farmers, officers, political leaders, members of the legislature, engineers, doctors, lawyers, members of the Bengal Regiment, Bengal Rifles, Police, Ansars and others were killed. About 3 million people from all walks of life were killed.

Many villages, towns, district and Sub-divisional headquarters and thousands of houses were razed to the ground. Most important centres of commerce and business were bombed out of existence. The whole communication system was put out of gear. All kinds of economic activities and transactions came to a stop. The entire economy was very badly shattered.

(ii) Ten million people of Bangladesh fled to India for fear of life. Most of their properties were destroyed and looted away.

(iii) The University of Dacca had been a special target of the Pakistan army. The residential halls and dormitories of the University students, residential quarters and houses of the teachers and administrative staff were the objects of the Pakistan army's brutal attack. University buildings and Science laboratories suffered very badly. All these would cost us about 50 (fifty) lakhs of rupees to repair and to put them in working condition. Even the furniture and crockeries of the various residential halls were broken to pieces. This alone would cost us a sum of Rs. 10 (ten) lakhs.

Nineteen of my senior and valued colleagues, including three Heads of Departments, one Medical Officer and twenty six other employees were killed. The University is called upon to look after their families.

The University Library also lost a few thousand volumes. Teachers and students borrowed books from the Library before the 25th March, 1971 but they had to run away from their houses and halls when the Pakistan military machine went into action. The army in most cases burnt the books, looted away and destroyed their properties and belongings. Students suffered most. All their books and belongings were either burnt or destroyed or looted away.
Many of the students joined the liberation struggle. The Pakistan army with the help of the local collaborators went down to their village homes, killed their parents and near relatives and destroyed their properties. Most of them are rendered destitutes. They have nothing on which to fall back. Ninety per cent of the students belongs to this category.

We have on the roll 10,000 students and 500 teachers. We have made the following calculations to help the students:

(a) Each student should be given a sum of Rs. 700.00 at a time to buy books and necessary clothings. This will cost us a sum of Rs. 70,00,000.00.

(b) A student needs a sum of Rs. 100.00 per month for his bare maintenance. According to our calculation they will need this monetary assistance for a year and a half. After that we hope that the economy will be stable and many of them then will be able to finance their education. This will cost us a sum of Rs. 1,80,00,000.00 for the period.

(c) There is also an acute shortage of basic and fundamental books in all branches - arts, social sciences and natural sciences.

(d) Our resources are almost negligible. With our resources, we are wholly unable to cope with the problems.

In the circumstances, I would appeal to you and through you to your University and to the fellow colleagues and students to see whether it is possible for them to come to the rescue of their suffering fellow brothers and sisters in this University in Bangladesh.

POSITIONS AVAILABLE

Personnel and Industrial Relations

Applications are invited for the position of Clerk within the Bursar's Division who will be required to assist with industrial relations and personnel tasks. Applicants should have previous working experience in these fields and possess the Technical College Personnel Administration Certificate or other relevant formal qualifications acceptable to the University.

Salary will be within the range of $5,478 - $6,500 p.a. depending upon qualifications and experience.

SCHOLARSHIPS, AWARDS AVAILABLE

Student Administration has further information about the following Scholarships and Awards:

Master of Business Administration - University of Strathclyde Division of the Scottish Business School

The M.B.A. course is broadly based and intensive and extends over a period of 12 months beginning in mid-September. The fee, subject to periodical review, is at present £75 for United Kingdom students and £250 for overseas students.

Candidates must normally possess a first or second class Honours degree of a British University or an acceptable equivalent qualification.

It is in the interest of applicants to apply before the end of April. Applications received after that date may be considered.

Courses and Summer Schools in Britain

The programme of courses and Summer Schools is designed to give professional people from overseas a survey of the latest developments in Britain in the particular
field in which they are interested. Leading British experts lecture to course members and visits are made to places where the latest developments in the subject may be seen. Study Tours are arranged to meet the requirements of specialist groups from overseas.


Fellowships for postdoctoral research training at the Roche Institute of Molecular Biology are available to qualified persons from the United States and abroad. Awards will be made to recent graduates and to candidates who will have received a doctoral degree prior to appointment.

Awards are made for one year beginning 1st July and may be renewed for an additional year. Each award provides for a stipend of $U.S. 11,500 plus travel allowance to cover the Fellow's transportation costs from his home to the Institute and return.

Deadline for the receipt of Applications is 15th October for Fellowships beginning on or about 1st July of the following year.

Medical and Dental Postgraduate Scholarships in 1973

The National Health and Medical Research Council annually awards Grants for the advancement of Medical Research from Funds made available by the Commonwealth Government.

Medical and Dental Postgraduate Research Scholarships are awarded to enable medical and dental graduates to gain full-time research experience including studies approved for a higher degree. Except in special circumstances the Scholarships will be held in Australia. Awarded initially for one year, they may be renewed for up to a maximum period of three years.

The stipends will be in the following scale:

$5,200 per annum; $5,600 per annum; $6,000 per annum.

Applications for N.H. & M.R.C. Medical and Dental Postgraduate Research Scholarships close on 30th June each year for support commencing 1st January of the following year.

Commonwealth Scholarship and Fellowship Plan New Zealand Awards 1973

The New Zealand Government is offering scholarships in institutions of higher learning in New Zealand to graduates from other parts of the Commonwealth under the Commonwealth Scholarship and Fellowship Plan. They are intended for persons of high intellectual promise who may be expected to make a significant contribution to life in their own countries on their return from study abroad.

The Scholarships are open to graduates under 35 years of age, except in special circumstances, but preference will be given to candidates who are between 22 and 28 years of age. Applications will not be considered unless they are made through the appropriate agency in the country of a candidate's residence.

The University of Auckland University Postdoctoral Fellowships - 1973

The Fellowships are open to graduates of Universities other than the University of Auckland for the purpose of carrying out advanced research within any Department of that University. The awards are primarily intended for candidates who have held the Degree of Doctor of Philosophy for not more than four years, but in exceptional circumstances other candidates may be considered.

Applications for Awards will be received at any time up to 5th June, 1972.

The Australian National University SAIONJI-Hamersley Scholarship

The Saionji-Hamersley Scholarship provides for a graduate or a person of equivalent standing who has a good knowledge of the Japanese language to spend twelve months in Japan from March, 1973 studying in a field of their choice. The scholarship provides fares, fees and a monthly maintenance allowance of $A250 approximately.
TE RANGI HIROA Fund for the Study of Pacific History

The Trustees of the Te Rangi Hiroa Fund offer an annual prize for the best essay (not exceeding 5,000 words) on any aspect of the Pacific Islands by an undergraduate of any university outside the Pacific Islands. Essays should reach the Te Rangi Hiroa Fund, C/- Department of History, University of Papua and New Guinea by 1st September, 1972.

Harold C. Conde Memorial Fellowship

The Fellowship is sponsored jointly by the Electricity Commission of New South Wales and the Local Government Electricity Association and is awarded for postgraduate study or research in a field related to the electricity industry. The Fellowship, which is tenable at the University of New South Wales, provides a living allowance of $2,600 per annum with exemption from tuition fees. Applications close on 26th May, 1972.

Australian Consolidated Industries Postgraduate Scholarship in Industrial Design

To commemorate its centenary Australian Consolidated Industries has endowed a research scholarship in Industrial Design at the University of New South Wales. The successful applicant will be accepted as a candidate for the degree of Doctor of Philosophy within the Department of Industrial Arts.

The annual stipend is $3,250 for single scholars and $3,750 for married scholars. University fees will be paid by the Company.

Applications should reach the Registrar, University of New South Wales, Box 1, Post Office, Kensington. 2033 by 26th May, 1972.

Churchill Fellowships for 1973

Churchill Fellowships are normally tenable in any part of the world outside Australia for periods of from three to twelve months. Awards are open both to young people who show promise of future achievement and to those whose achievements are already substantial, in every occupation or field of interest. These may include Primary Industry; Secondary Industry and Commerce; Professional and Academic Occupations; Education; Public Service; The Arts; and Community Service. In 1973 special consideration will be given to providing a special Fellowship in the fields of vocal and instrumental music and ballet, for an outstanding young performer for special overseas training for a period not exceeding three years.

The awards offer an Overseas Allowance for personal maintenance (adjusted according to living costs in the country of tenure), Return Economy Air Fare, Incidental Travel Expenses - $100 and an Allowance for Dependants' maintenance (if income from salary or personal exertion is not received during the Fellowship). In addition some assistance may be given with tuition fees, expenses of internal travel, books and equipment.

Completed application forms should be returned to The Winston Churchill Memorial Trust, Box 478, Post Office, Canberra City. 2601 by 17th July, 1972.

VACATION ARRANGEMENTS

Clark "Civilisation" Films

The Clark "Civilisation" films will not be shown during the vacation but will resume at 1 p.m. in the Main Lecture Theatre on Friday, 9th June.

Civilisation's Music

The Civilisation's Music Programme arranged by the Vice-Principal has also been suspended for the vacation period. The next programme will be presented at 1 p.m. on Tuesday, 6th June in the Main Lecture Theatre.
University Library

The University Library will be open Monday to Friday from 8.30 a.m. to 10 p.m. during the vacation but will be closed on Saturdays and Sundays.

University Union

During the vacation period, the Union building will be open from 9 a.m. to 8.30 p.m. Monday to Friday. The Common Room Servery will be closed but service will be available from the Coffee Bar between 10 a.m. and 8 p.m. and from the Cafeteria between 12 noon and 1.30 p.m. and between 5 p.m. and 6 p.m.

Staff House

The Staff House will operate as usual during the vacation period except that it will close at 5 p.m. Monday to Friday.

"University News"

The next issue of "University News" will be published in June.

COMING EVENTS

Dyason Lecture

The annual Dyason lecture arranged by the Newcastle Group of the Australian Institute of International Affairs will be held in the Staff House on Thursday, 1st June at 8 p.m.

The Speaker will be Dr. Ali Mazuri, one of the most distinguished political scientists and public lecturers in Africa today. He holds the Chair of Political Science and Public Administration in Makerere University, Kampala, Uganda.

Mathematics Seminar

The Department of Mathematics will hold a seminar in Room AG 24 at 12 noon, Friday, 12th May, when Dr. Jennifer Wallis, of the Department of Mathematics, will speak on "Some Remarks about the Nature of Mathematics".

Chemical Engineering Seminar

The Department of Chemical Engineering has arranged for a film to be shown in place of the usual Wednesday seminar on 7th June. It will be shown in the Engineering Lecture Theatre FG 01 at 11.30 a.m. and is entitled "Motor Vehicle Design for Pollution Control". A recent film, it outlines the design problems which face American automobile manufacturers.

United States Federal Legislation requires that the exhaust emission from 1975 vehicles be reduced to 10% of the 1970 levels. The manufacturers are currently tooling up for the 1975 vehicles - but have not been able to meet the stringent (unrealistic?) emission requirements.

The film has been loaned by Caterpillar (Aust.).

Study Tour of New Zealand

The Department of Education is at present making arrangements for a party of students and others interested in the New Zealand education system to visit the North Island during the August vacation - 13th-27th August, 1972.

The proposed itinerary is as follows:

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>13th August</td>
<td>Depart Sydney for Wellington (Air)</td>
</tr>
<tr>
<td>13-17th August</td>
<td>Wellington</td>
</tr>
<tr>
<td>18th August</td>
<td>Wellington to Palmerston North</td>
</tr>
</tbody>
</table>
18th-20th August  
Palmerston North

21st August  
Palmerston North to Hamilton 
(via Wanganui)

21st-23rd August  
Hamilton (including day trip to Rotorua)

24th August  
Hamilton to Auckland

24th-26th August  
Auckland

27th August  
Auckland to Sydney (Air)

Accommodation will usually be in University Halls of Residence. Travel within New Zealand will be by charter coach.

Arrangements are being made for visits to schools and universities, and for discussions with persons engaged in education in New Zealand. There will also be opportunities for visits to places of general interest including centres of Maori culture.

During Second Term study materials will be prepared relating to the general background of New Zealand (historical, cultural, social, political, industrial, economic) and to the education system. Participants will be expected to become familiar with these in preparation for the visit.

The exact cost of the tour is not yet determined but it is expected to be about $230 per person inclusive of transport (Sydney to Sydney), accommodation, breakfast and dinner.

A minimum of 30 people is required to make the proposition viable and the party will be limited to 40. Preference will be given to education students but applications from others will be considered.

Anyone interested in the tour is asked to complete the form below and return it as soon as possible (by 10th June at latest). Further details may be obtained from the office of the Department of Education.

Education Study Tour of New Zealand, 13th - 27th August, 1972.

* I wish to be included in the party

* I am interested and will probably apply to go

* I am interested but uncertain at this stage

* Cross out statements which do not apply.

Comments: 

Name: 

Address: 

Course: 

Return to: Secretary, Department of Education, University Of Newcastle, N.S.W. 2308 (Before 10th June, 1972).
SPORTING NEWS

Inter-Varsity

Nearly 150 students of the university will compete in Inter-Varsity sporting championship to be held during the vacation. The University will enter teams in Athletics, Aussie Rules, Badminton, Basketball, Canoeing, Hockey (men's and women's), Netball, Rowing, Rugby League, Soccer, Surfriding and Rugby.

Except for Rowing and Rugby, teams will travel to other universities. The University of Newcastle will be host for Rowing from 21st to 27th May, and for Rugby from 14th to 19th May. The Rowing championships will be held at Taree on the Manning River, and the Rugby matches will be played at University Oval, Waratah Oval and the International Sports Centre.

The programmes:

Rowing:

- Sunday, 21st May: Clubhouse open to accept boats, racks to be allocated.
- Monday, 22nd May: Daylight training and coaching, coaching boats available, official welcome, competitors' meeting and land ballot at Clubhouse. 7.45 p.m.
- Tuesday, 23rd May: Daylight training and coaching.
- Wednesday, 24th May: A.U.S.A. representatives meeting, Clubhouse Committee room. 7.30 p.m.
- Thursday, 25th May: Training and coaching, (i) weigh-in for coxes and lightweight crews, 6.15 p.m., (ii) officials, strokes and coxswains meeting, 7 p.m. Clubhouse, Committee room.
- Friday, 26th May: Heats commencing 10 a.m., repeches, 3 p.m.
- Saturday, 27th May: Petite finals 10.15 a.m., Finals 11.15 a.m., Presentation of Trophies by the Chancellor (Sir Alister McMullin), Semi-formal Inter-Varsity Dinner 6.30 p.m., Clubhouse.

Rugby:

- Sunday, 14th May: First representatives meeting, Newcastle Rugby Club, 8 p.m.
- Monday, 15th May: Matches at Waratah, University Oval and International Sports Centre. Vice-Chancellor's Welcome at South Newcastle Leagues Club, 8 p.m.
- Tuesday, 16th May: Matches at University and Waratah Ovals and International Sports Centre.
- Wednesday, 17th May: Representatives Match; N.S.W. Combined Services XV v. Australian Inter-Varsities XV, University Oval, 2 p.m.; Inter-Varsity Rugby Cabaret, "The Wool Shed", Hanneil Street, Wickham, 8 p.m.
- Thursday, 18th May: Matches at University and Waratah Ovals and International Sports Centre.
- Friday, 19th May: Matches at University, Waratah Ovals and International Sports Centre, second Representatives Meeting at conclusion of final game, University Oval. Inter-Varsity Rugby Dinner and presentation of trophies 6.30 p.m. Newcastle City Hall Supper Room, King Street, Newcastle.