VISITORS TO THE UNIVERSITY

The Department of Geography and the Faculty of Mathematics each have visiting lecturers at the moment. Professor D.H. Miller, of the University of Wisconsin-Milwaukee, is visiting Geography and Dr. C.M. Ablow, of the Stanford Research Institute, is attached to Mathematics.

Professor Miller is accompanied by his wife, Enid, who assists him with his work by acting as secretary and photographer. Both are well acquainted with this university, having been attached to the Department of Geography in 1966 when Professor Miller was visiting Fulbright Lecturer. Professor and Mrs. Miller donated books to the Library for leisure reading.

Professor Miller is a recognised authority on climatology and specialises in the study of heat and water balance at the earth's surface. He is lecturing to second-year Geography students and conducting seminars on "Climate and the Environment". Designed for senior and postgraduate students and members of staff, the seminars are held in Room LG26 on Monday afternoons between 2 and 4. Professor and Mrs. Miller will live in Newcastle until next November.

Dr. Ablow is visiting the Faculty of Mathematics until 30th August. He is an Applied Mathematician and specialises in Partial Differential Equations and Numerical Analysis.

During his visit, Dr. Ablow is conducting seminars on "Partial Differential Equations of Mathematical Physics". The seminars are held in Room G09 on Tuesdays and Fridays between 9 and 10.30 a.m. Dr. Ablow is also assisting research students working in the field of Fluid Mechanics.

STAFF/STUDENT CONSULTATIVE COMMITTEE ELECTIONS

Two students enrolled in the Faculty of Mathematics and two in the Faculty of Engineering have been nominated for election as student representatives on the S.S.C.C. The nominees are Barbara Callcott and John Kumm (Engineering) and Allan Fenwick and Michael Bell (Mathematics).

As every Faculty except the Faculty of Arts is entitled to elect one student member, ballots will have to be conducted among students in Engineering and Mathematics. Arrangements have been made for students in the two faculties concerned to vote during the period 26th July to 30th July. Voting papers will be available from Mr. R.J. Wilson (Civil Engineering) and Mr. R.F. Berghout (Mathematics), who will also provide ballot boxes in their departments.

Mr. C. Gorton was the only nominee for election to the S.S.C.C. as student representative of the Faculty of Economics and Commerce and has been declared elected.

PROFESSOR B. NEWTON-JOHN,  
CHAIRMAN S.S.C.C.
Dr. Noel Rutherford, Senior Lecturer in History, is the author of a book, "Shirley Baker and the King of Tonga", which has just been published by Oxford University Press, Melbourne, and sells for $8.70.

The book is essentially a biographical sketch of Reverend Shirley Waldemar Baker, who, as a Wesleyan missionary in Tonga from 1860 to 1879 and Prime Minister from 1880 to 1890, co-operated closely with the Tongan King, George Tupou I, in the drawing up of codes of laws and constitutions for Tongans at a time when Western civilization was forcing itself upon South Pacific native communities.

Dr. Rutherford hopes that the book will make a contribution to the understanding of the problems which faced Tonga in the late nineteenth century, and, beyond that, of the more general problem of acculturation.

As the author observes, Tonga, alone among the island groups of the Pacific, emerged from the nineteenth century as a sovereign, independent state. Other island polities were absorbed into European colonial empires. Tonga has its own king, cabinet, legislative, constitution, code of laws and even its own church. The kingdom's land is exclusively and inalienably Tongan.

Dr. Rutherford states that Tonga made its remarkably successful adjustment to the modern world under King George Tupou I during a period dominated by Shirley Waldemar Baker, about whom writers, beginning with Basil Thomson, a British official who succeeded Baker, reached untrustworthy opinions. Dr. Rutherford decided it was important to re-examine the career of Shirley Baker and to re-evaluate his contribution to developments in Tonga between 1860 and 1890.

Baker was born in London and came to Australia during the gold rush. He was converted to Methodism, ordained as a missionary and sent to Tonga in 1860. For twenty years he worked as a missionary, developing a close co-operation with Tupou. Scandals over his methods of raising funds, however, caused the Missionary Society to recall him in 1879. By 1880 he was back as Prime Minister. Baker revenged himself on the Wesleyan Mission by establishing a Free Church and forcing all Tongans to join it. Bitter persecutions followed and, after an attempt on his life, the British stepped in and deported him in 1890.

In the Epilogue, Dr. Rutherford declares that it is in the verdict of writers on Baker as statesman and politician that the greatest miscarriage of justice lies. He wrought a revolution of tremendous significance in Tonga, guiding a tribal, quasi-feudal society as it transformed itself with a minimum of distress into a modern constitutional State.

The author carried out most of the research for "Shirley Baker and the King of Tonga" while he held a research scholarship in the Department of Pacific History at the Australian National University. A portion of the work was done in Tonga and the book is dedicated to the King, Ta'ufa'ahau Tupou IV.

BUILDING PROGRAMME

The University's Council, at its meeting on 16th July, was informed about progress on the construction of the Faculty of Engineering Complex. The unit operations building (building B) and the engineering materials building (building D) had been completed and the field mechanics and thermo-dynamics building (building C) was not expected to be ready for occupation before the 9th August.

The engineering science building (building E) was programmed for completion by 14th September. Work on the construction of the classroom block (building F) had begun and occupation was expected in March, 1972.

It was further reported that tenders for the construction of No. 2 Oval and two new tennis courts would probably be called early in August. The council authorised the Vice-Chancellor to enter into contracts on behalf of the university.
with the lowest tenderer provided that the contract sum is within the funds available and all other aspects of the tender are satisfactory.

As regards the proposed extensions to the Metallurgy Building, the plans had been approved by the Australian Universities Commission and tenders should be called in October.

Ald. Purdue, Chairman of the Building and Ground Committee, commented that there was a great amount of building activity on the campus at present and wherever one went one could see progress being made with new projects.

The Council received reports on progress being made with the construction of the Great Hall, Stage IIA of the Library, and Stage I A of the Hall of Residence. Work on the construction of three new squash courts at University Oval had been completed on 22nd June.

**DIPLOMA IN COMPUTER SCIENCE**

The University's Council approved the introduction of a course leading to the award of a Diploma in Computer Science, commencing in 1972, and established a Board of Studies, responsible to the Mathematics Faculty Board, to supervise the course. It is planned to offer a one-year course for full-time and a two-stage course for part-time students.

Applicants should be graduates of this or of another recognised University or should hold alternative qualifications acceptable to Senate.

Candidates will be required to pass five core subjects (Coding, Programming and Algorithms A; Coding, Programming and Algorithms B; Computer Organization; Numerical Analysis; Commercial Programming) and five elective subjects offered in other courses and of interest to computer scientists. It is intended that each subject will be approximately equivalent to a Mathematics III Topic. Mathematics II Topic F is a prerequisite to Numerical Analysis but this requirement may be relaxed with the consent of the Dean of Mathematics.

At present, computer subjects of various types are available in a number of courses offered by the University. This course will provide a comprehensive study of computers and computer applications, while the choice of electives will permit students to concentrate on aspects of special interest. It should meet the requirements of graduating students who wish to continue their studies while people employed in the computer field will appreciate the introduction of a recognised computer course.

**PROF. NASHER RECEIVES INTERNATIONAL POST**

Professor Beryl Nasher, Head of the Department of Geology, was elected Second Vice-President of the International Federation of Business and Professional Women at the federation's 12th Congress held in Canada.

Professor Nasher attended the congress, which was held in Edmonton from 5th to 10th July, as Deputy Leader of the Australian delegation and a Board member of the Australian Federation of Business and Professional Women's Clubs.

In addition to her election as Second Vice-President, she was elected Chairman of the international federation's Membership Standing Committee. The Congress was attended by about 1,400 delegates and observers. Membership of the International Federation is in excess of 250,000 women and more than 50 countries are represented. As a non-governmental affiliate with the United Nations, the federation has a permanent observer in New York, Paris and Geneva.

As Second Vice-President Professor Nasher is a member of the executive and will be required to attend executive meetings twice a year during her three-year term of office. These meetings will chiefly be held overseas. She knows already that she will be attending one in London on 26th and 27th November, one in Munich in June, 1973, and one in Buenos Aires in August, 1974.
STUDENT HEALTH SERVICE

The Secretary-Manager of the Union (Mr. V. Bridgwater) has announced that the Student Health Service will commence operations on Wednesday, 21st July. Nurses will be in attendance daily (Monday to Friday) from 9-30 a.m. to 5 p.m. and the doctor, Dr. G.J. Cousins, will be available to students on Wednesdays of every week, from 9 a.m. to 5 p.m. The centre is located in the former Women's Common Room in the Union.

STAFF ASSOCIATION ELECTION

Election of the new Executive of the Staff Association resulted:

President, Mr. E. Flowers (Library); Vice-President, Mr. J.A. Lambert (Maths); Hon. Treasurer, Dr. G.C. Curthoys (Chemistry); Hon. Secretary, Mr. P. Chopra (Education); Committee, Dr. R.P. Cooney (Chemistry), Dr. T.E. Fortmann (Electrical Engineering), Mrs. H.M. Henry (History), Mr. D.S. Karpin (Commerce), Prof. R.G. Keats (Maths) and Prof. L.N. Short (Education).

HIGHER DEGREES APPROVED

Following a recommendation from Senate, the Council approved the admission of the following candidates to the degrees specified; the degrees will be conferred at the next Graduation Ceremony.


Master of Arts: Tony Giles, Department of English, "The Concept of Eternity in the Poetry of Emily Dickinson"; Karl Lehtonen, Department of Chemistry, "Some Aspects of the Chemistry of Fungicides"; Helen Margaret Clark, Department of Psychology, "Aboriginal Assimilation in Two Communities".

HOME AVAILABLE FOR LEASING

Double-brick home, 20 squares, four bedrooms, large living-dining room, rumpus room, tiled bathroom, two toilets, double carport, established garden, New Lambton, adjacent to Blackbutt Reserve, elevated with view of Newcastle through trees, quiet street. Available for leasing for a year from 18th August. Rental in vicinity of $37 a week. If interested, ring Associate Professor C. Keay, Extension 234 or 235, Home 57 5344.

STAFF READING COURSES

Student Counselling Unit will conduct three speed reading courses soon for members of staff.

A further three courses will be held during the August vacation. Staff who have applied for enrolment in the vacation courses will be contacted towards the end of second term to arrange times.
Places for the term courses have all been filled. This is a reminder for those who have enrolled that the Evening Course will commence on Tuesday, 27th July, and the Day and Lunch-time courses will begin the following week on Monday, 2nd August.

COMMONWEALTH UNIVERSITY SCHOLARSHIP SCHEME

Education officers from the Department of Education and Science will visit the University on Tuesday, 3rd August. A short talk will be given on Commonwealth University Scholarships, with particular reference to what constitutes satisfactory progress.

Students who are being assisted by Commonwealth Scholarships and students who feel they might be granted Later Years Awards are advised to attend. The talk will be given in Lecture Theatre H01 at 1 p.m.

Education Officers will also be available for interviews with students who have further questions, or who are experiencing difficulties which may affect their scholarships.

VICE-PRESIDENT RESIGNS

Mr. G. Brown, Vice-President of Newcastle University Students' Association, has tendered his resignation, stating that pressure of studies left him with no alternative. Mr. Brown is a History honours student. He will remain on the Council of the Association as a representative of the Faculty of Arts.

COMING EVENTS

Cultural Night

The Cultural Night to be presented by the University's Overseas Students' Association at Stewarts and Lloyds Recreation Club on Friday night, 23rd July, will involve approximately 30 student-performers.

The O.S.A. members will provide the following entertainment beginning at 8.30 p.m.: harmonica band, Vietnamese folk song, Indonesian dance, Chinese flute music, Australian folk songs, Thai dance, musical saw, Malay dance, Japanese song and Korean "Taekwondo".

The "live" items will be followed by the serving of supper (food provided by a Chinese restaurant) and, then, dancing to Pop music. Curfew is planned for 1 p.m.

Day School

Newcastle Theological Society will conduct a Day School in the main lecture theatre (B01) on Saturday, 31st July. The theme will be "Moral Theology Today."

Rev. Bill Daniel, S.J., will deliver three lectures. Dr. Daniel is a graduate of The Gregorian University, Rome and is at present Dean of the Jesuit Theological College, Melbourne. At 10.30 a.m. he will speak on "Is There a Law of God?"; at 1.15 p.m. on "Christian Responsibility"; at 3.15 p.m. on "Free Man Free Citizen".

The conference fee is $1.00 (students and members of the clergy 50 cents).

Expressway Builder

Mr. Eric King, Engineer for Outer Expressway Construction, Department of Main Roads, will be guest speaker at the next general meeting of the Newcastle Division of the Institution of Engineers, Australia.
Persons interested in the Safari camping trip should apply to Miss S. Dohary (Classics, Ext. 414) by Monday 26th July. The cost of the trip will be approximately $116 for transport and basic food and will be of approximately 16 days' duration. The proposed itinerary includes Longreach, Mt. Isa, Katherine, Darwin, Alice Springs, Ayers Rock, Pt. Augusta and Broken Hill.

Conference

The Australian and New Zealand Society for Theological Studies will conduct its Fifth Annual Conference at St. Paul's College, University of Sydney, from 23rd to 27th August.

Major lectures of the Conference will be given by Rev. John Alexander, Director of the Centre for Creativity and Drama, Cairnmillar Institute; Rev. Prof. Hans Kung, Professor of Theology, University of Tubingen; Monsignor Charles Moeller, Under-Secretary of the Congregation for the Doctrine of the Faith, Rome, and Rector-Elect, Ecumenical Institute for the Study of Theology in Jerusalem; and Rev. Prof. Eduard Schweizer, Professor of New Testament, University of Zurich.

Professor K.R. Dutton, Mr. D. Dockrill and Mr. R. Robinson, members of the staff of this university, will read papers at the conference. Further details can be obtained from Mr. Dockrill (Department of Philosophy).

Scholarships Available

Full particulars about conditions and the procedures necessary to apply for the following scholarships and fellowships may be obtained from Mr. J.D. Todd, Student Administration Office:

Anzac Fellowships Scheme, New Zealand Awards

Two Fellowships are being offered by the New Zealand Government for Australians for 1972. The purpose of these Awards is to give men and women who have achieved distinction or have shown potential in the professions, primary and secondary industry, education, commerce, public service or the Arts, the opportunity to go to New Zealand for study, training, research or to further their professional experience.

Awards are tenable for periods of up to one year. Candidates must be Australian citizens preferably under the age of 45 years. A Fellow is expected to resume his residence in Australia on the expiry of his Fellowship.

Application forms may be obtained from the Secretary, Department of Education and Science (Anzac Fellowship Scheme) P.O. Box 826, CANBERRA CITY, A.C.T. 2601. The closing date for receipt of applications, which should be sent to that Department, is 2nd August, 1971.

Ainsie Senior Fellowships - Ainsie Research Fellowships

The Institute has announced the availability of the following post-doctoral awards:

Ainsie Senior Fellowships are intended for scientists and engineers of established high reputation; a proposal for such an award will be considered by the Institute Council and the terms and conditions of any offer will be separately determined in each case. No standing rules govern these senior awards, and initial enquiries should be directed to the representative of your University on the Institute Council.

Ainsie Research Fellowships are available for scientists and engineers pursuing a research career, who have qualifications equivalent to the degree of Ph.D. These awards are post-doctoral and are not available for persons working for Ph.D. or other higher degree. Please note that the closing dates are 28th February and 31st August each year, and all nominations received by the Institute after one closing date, will be considered together after the next closing date.
The meeting will be held at the P.D. Riddell Theatre, Newcastle Technical College, on Thursday night, 29th July. Mr. King will speak on "The Management and Control of Expressway Construction in New South Wales". The address will deal briefly with methods adopted by the Department of Main Roads, in job control and in some detail with the general construction methods used on expressways.

Mr. King was responsible for completion of the Berowra/Hawkesbury River section of the Sydney/Newcastle Tollway and is currently in charge of work in the Bulli/Waterfall Tollway and the South Western and Western Expressways.

Beginning at 5 p.m. sheries and a light meal will be served in the Technical College Union and the meeting will begin at 6.30 p.m.

Philosophy Club

Mr. Brian Birchall, Lecturer in Philosophy, University of New England, will read a paper on "The Ethics of Violence" on Monday, 26th July, in the Union Lounge at 1 p.m.

Dr. Maximilien Rubel, (A Marxist scholar from Paris, presently visiting the A.N.U.) will deliver a public lecture on "Socialism and the Paris Commune" on Wednesday, 4th August in the Union Lounge at 1 p.m.

Later the same day Dr. Rubel will conduct a seminar on "The Concept of the Historical Mission of the Proletariat - and the Bourgeoisie". Dr. Rubel is author of several books in Marxist studies.

Professor Brian Medlin, Professor of Philosophy, Flinders University, will present a paper on "From Theory to Practice" at the university on Thursday, 12th August. He will give another address on Friday, 13th August. Further details will be given in the next University News.

Who Cares for Their Environment?

There will be a lunch-time meeting in the open Courtyard of the Students' Union on Wednesday, 28th July, 1971, from 1.15 to 1.45 p.m. at which it is hoped to gain some indication of the degree of interest for the study of environmental problems, especially in the Newcastle and Hunter Region.

The Chairman of the recently-formed Board of Environmental Studies (Professor F.M. Henderson, Professor of Civil Engineering) will outline the scope and purpose of the Board.

If sufficient interest is shown at this meeting it is intended to arrange a day-long Symposium on environmental problems, emphasising especially the role of advanced education and research but also considering community involvement.

A student group in Sydney, calling itself The Survivalists, has recently been organised. It has 100 members to date and is concerned with all elements of environment, urban and rural. It is hoped that representatives of this group will attend the proposed Symposium and, possibly, also the courtyard meeting.

Staff Social Club

Members are advised that the Annual General Meeting of the University of Newcastle Staff Social Club will be held in the Physics Lecture Theatre on Tuesday, 17th August, at 1 p.m. The meeting will elect a President, Vice-President, Secretary, Assistant Secretary, Treasurer, Auditor and four Committee Members.

Nomination forms have been circulated to all members and those persons interested in taking an active part in the affairs of the Social Club are requested to return duly completed nomination forms to the Secretary (Mrs. L.C. Rynehart, Accountant's Department).

Camping Safari

The Faculty of Architecture proposes to hold a Camping Safari by chartered bus to the Northern Territory, leaving Newcastle on Sunday, 15th August. The trip will be open to all students, staff members and friends of the Faculty. The coach holds 34 people.
In order that any nominations may be transmitted to the Institute by the next closing date, i.e. 31st August, 1971, all applications must be lodged with the Secretary to the University by Friday, 13th August, 1971.

The Gowrie Postgraduate Research Travelling Scholarships

Gowrie Scholarships are awarded to members of the forces and children of members of the forces, including, in the discretion of the trustees, grand-children or other lineal descendants of such members. The trustees of the fund offer annu postgraduate Research Travelling Scholarships (normally two in number) to graduates of Australian Universities for recognised research study overseas. The value of these Scholarships is $2,000 per annum tenable for two years at Universities or similar approved establishments, overseas.

In selecting applicants, not only educational attainments but also character, personality and financial means will be taken into consideration by the trustees. Applications close on 31st October, 1971.

Queen Elizabeth II Fellowships Physical and Biological Sciences

Under this Fellowship Scheme up to ten Fellowships may be awarded each year for full-time research by young scientists of exceptional promise and proved capacity for original work. These are post-doctoral awards tenable in an Australian University or approved research institution, normally for two years. Applicants must be either Australian or United Kingdom citizens and should have a Ph.D. or equivalent qualifications, in one of the physical or biological sciences (which are deemed to include Mathematics and the scientific aspects of Statistics, Engineering, Metallurgy, Agriculture and Medicine.)

Awards will, in general, be restricted to applicants who are not more than 30 years of age. The stipend is $7,000 (Aust.) per annum - increased to $7,500 per annum at age 28 years. In addition, allowances are payable in respect of dependents, superannuation payments, insurance cover and travel expenses.

Application forms and a statement of the Conditions of Award may be obtained from The Secretary, Queen Elizabeth II Fellowships Committee, Department of Education and Science, P. O. Box 826, CANBERRA CITY, A.C.T. 2601.

Applications for the next round of awards, which will be commenced in December, 1971 close at the above address on 16th September, 1971.

Queen's Fellowships in Marine Science

Under this scheme up to five Fellowships may be awarded each year for full-time research for young scientists of exceptional promise and proved capacity for original work. These awards are tenable at the Australian Institute of Marine Science, Townsville, an Australian University or approved research institution, normally for two years. Applicants should have a Ph.D. or equivalent qualifications, or equivalent research or professional experience in a discipline applicable in Marine Science.

Awards will, in general, be restricted to applicants who are not more than 30 years of age. The stipend is $7,990 (Aust.) per annum - increased to $7,500 per annum at age 28 years. In addition, allowances are payable in respect of dependents, superannuation payments, insurance cover and travel expenses.

Application forms and a statement of the Conditions of Award may be obtained from The Secretary, Queen's Fellowships Committee, Department of Education and Science, P. O. Box 826, CANBERRA CITY, A.C.T. 2601. Applications for the next round of awards, which will be commenced in December, 1971, close at the above address on 24th September, 1971.

National Health and Medical Research Council, Public Health Travelling Fellowships

Some members of Convocation may be interested in these Fellowships or know of someone who might be interested. Brief details of the Fellowships are as follows:

Public Health Travelling Fellowships are awarded to enable Fellows to make post-graduate study tours abroad relating to their work and speciality. The Fellow-
ships are open to all graduates working in the field of public health. Each Fellowship is for a period not exceeding twelve months. The National Health and Medical Research Council grant for a Public Health Fellowship shall not exceed $6,000. The granting of a Fellowship is conditional upon the employing authority maintaining the recipient's salary, allowances, and service benefits for the duration of the Fellowship.

All applications must be made on the special forms (Form A3) which are available, together with information on the conditions associated with N.H. & M.R.C. grants, from the administrative officers of the State Departments of Public Health, or from - The Secretary, National Health and Medical Research Council, P. O. Box 100, CURTIN, A.C.T. 2605.

STAFF POSITIONS AVAILABLE

Male Clerk Position No. N38/71
The position could suit a person 17-21 years of age, but applications from older and more experienced clerks will receive consideration. The education standard should be to Higher School Certificate level. The successful applicant will be employed initially in the Purchasing Department. Commencing salary will be within the range $33.54-$53.85 per week.

Accounting Machine Operator Position No. N36/71
Class 32 National Accounting Machines are currently in use. The position calls for an operator preferably with experience in the mechanised recording of some of the following items: stores, creditors and debtors, payroll, etc. Commencing weekly wage will be up to $55.50. In addition proficiency allowances of up to $3.84 per week are available.

Attendant Position No. N42/71
Age preferably between 35-45 years. Duties include the preparation of a variety of mail for despatch, delivery and collection of internal mail and general messenger duties. Applicants should have a driving licence and a clean driving record. Commencing salary will be within the range $52.80-$64.09.

Office Assistant/Typist - Secretary's Division Position No. N43/71
Duties in the main consist of filing and a certain amount of typing. Commencing salary will be up to $53.41 per week. In addition typing efficiency allowances of up to $1.92 per week can be obtained by passing speed tests at examinations.

SPORTING FIXTURES


Rugby Union: 24th July, University plays Wanderers, No. 2 Sports Ground; 31st July, plays The Waratahs, University Oval; 7th August, bye.

Rugby League: 24th July, University plays University of New South Wales Alewoods, University Oval.

Soccer: 25th July, University plays Warners Bay, Stevenson Park; 1st August, plays Kearsley, Kearsley; 8th August, plays Garden Suburbs, Stevenson Park.