SMALL FIRMS STUDY EXTENDS

Professor B.L. Johns and Mr W.C. Dunlop, of the Department of Economics, recently attended the 5th Conference of Economists in Brisbane. In November they will go overseas to be present at the International Symposium of Small Business in Tokyo.

The reason behind their travelling is the research they are pursuing into the effects of Government economic and financial policies upon members of the small business sector in Australia.

Early in 1973 Professor Johns and Mr W.J. Sheehan made comments to a Senate Committee on death duties that have particular relevance to small firms. Kalamazoo (Aust.) Ltd then suggested to Professor Johns that a team from his Department might engage in a major investigation into the economic position of small business undertakings. When the Federal Government's Taxation Review Committee (under the chairmanship of Mr Justice Aspery) heard of the academics' interest in small firms, it, too, suggested that relevant information be gathered.

This curiosity prompted Professor Johns and Mr Sheehan, late in 1973, to organise a monumental postal survey of 20,000 small business firms in Australia.

Questions relating to taxation were asked of 10,000 small firms and questions relating to a variety of non-tax matters were levelled at the other 10,000. The survey elicited usable replies from 5,258 small firms.

Next came the toilsome job of analysing the information given in the replies which was contained in 12,000-odd tables. This task was appreciably reduced by the Computing Centre, which processed the questionnaires.

The team was interested in independent, Australian enterprises which employ fewer than 100 persons. Some of the manufactures and industries embraced are food, tobacco, textiles, furniture, printing, machinery, equipment, restaurants, motor trades, retail, wholesale and motion pictures.

The survey of small firm economics was unique in Australia; only the Bolton Committee's Report, released in England in 1971, bears any known similarity.

Submitted to the Taxation Review Committee last February, the report of Professor Johns and Messrs Dunlop and Sheehan on taxation and the small firm consists of 218 pages, plus appendices, and makes recommendations concerning reforms of the system of taxation employed in respect of small business enterprises and measures to assist them.

The authors feel that the small business sector in Australia has been neglected as an area of economic investigation. About 40% of the private workforce is employed in enterprises which can be described as "small". They believe that there is a need to examine the effects of the present tax system upon the viability of small firms and upon their capacity to grow.

"New enterprises almost invariably start their lives as small firms and it can be regarded as an essential feature of a dynamic competitive economy that the more efficient of these new small firms should have the opportunity to grow eventually into large enterprises".

Work on interpreting the companion study, i.e., the one relating to non-tax matters, has reached the final stages and a good deal of interest has already been displayed in it, particularly the research team's comments on the availability of finances to small firms. It was found that 14% had experienced difficulty in obtaining long-term finances during the two years preceding the survey, a period in which the level of economic activity was high and credit was readily available. Since then, however, economic conditions have worsened.
The National Small Business Bureau, of the Department of Manufacturing Industry, provided funds through TUNRA so that Professor Johns and his team could extend their investigation to endeavouring to clarify a number of special matters, including the reasons for the shortage of capital and the extent to which the last credit squeeze had handicapped members of the small business sector.

Early this year, in-depth interviews were arranged with about 150 small firms located in New South Wales, Victoria and Queensland. Professor Johns, Mr Dunlop and Miss K. Lamb, a research assistant, called on chief executives and talked confidentially with them about their financial and economic problems. Results arising from the interviews, including the team's assessment of why small firms are unable to obtain outside funds, have just been published. This report, of almost 300 pages, has just been sent to the National Small Business Bureau.

Meanwhile, in response to a request from the Federal Government's Committee to Advise on Policies for Manufacturing Industry for a submission on the small business sector, an 82-page report, "The Small Firm in the Australian Economy", has been written. It deals with the place of small business enterprises in the economy, the problems they encounter and the appropriate objectives and policies to be pursued.

The special research into taxation and the small firm was partly funded by Kalamazoo (Aust.) Ltd and the Taxation Review Committee, which together contributed $27,000, while the National Small Business Bureau provided $15,000 towards the cost of the investigation into why small firms found it hard to obtain capital.

AMALGAMATION OF THE UNIVERSITIES COMMISSION AND THE COMMISSION ON ADVANCED EDUCATION

The Australian Vice-Chancellors' Committee has considered the Report of the Panel to advise on arrangements for amalgamating the Universities Commission and the Commission on Advanced Education.

In a statement the Committee expressed regret that the Panel did not recommend in favour of the third Model which is similar to that supported by the representatives of the Australian Vice-Chancellors' Committee in their evidence to the Panel.

"Should the second Model adumbrated nevertheless be adopted the Australian Vice-Chancellors' Committee is strongly of the view that:

"1. The proposed role of the Universities Council, as set out in para. 6.7 of the Report, is quite unsatisfactory in that the Council would only give 'general assistance' to the Commission and exercise such powers 'as are delegated to it by the Commission'. It is essential that the Universities Council be given a statutory right to consult with universities; a statutory right to advise the Tertiary Education Commission on the role and balanced development of universities - at its own instance and not simply at that of the Commission; and statutory powers to administer approved universities' programs. The Panel's proposed arrangement is dangerously undefined.

"2. It is essential that the proposed Commissioner (universities) should be a person of high academic standing who will command the confidence and respect of universities and their staffs. He will need to have a keen appreciation of the needs, functions, and aspirations of universities so as to represent these effectively in the Commission. The post should merit and have the status of a Vice-Chancellorship - and its role will have to be clearly defined - if a person with the qualities and experience needed is to be attracted.

"3. The proposed purely functional organisation of the Commission's secretariat is unsound. In its Report the Panel emphasises the distinctive role of universities, but does not provide for this in its proposals for the Commission's administration. Whilst there are grounds for some integrated services, it is essential not only that within the secretariat there should be those who will be specifically assigned to take an overview of the universities' position and needs but also that the distinctive functions of the Universities Council should be specifically serviced.

"The Australian Vice-Chancellors' Committee is of the view that unless there is provision along the lines suggested the maintenance of the distinctive role of the universities will be endangered."
With few exceptions, the University's 1975 Annual Examinations will take place between November 8 and 28.

Individual timetables are available from the Library, Student Administration and other Buildings. Remember that misreading of the timetable will not be accepted as an excuse for failure to attend an examination - so study your own timetable carefully.

Examinations will be held in the Great Hall and the Main (Administration), Geology, Social Sciences, Mathematics, Engineering and Architecture Buildings.

Room and Desk (for the Great Hall only) allocation lists have been placed on the relevant Department Notice Boards.

The desk allocations for candidates sitting for examinations in either areas of the Great Hall, i.e., AUD (Auditorium) and Glass H. (Glass House - at the northern end of the Great Hall), will also be displayed on the notice board in the foyer of the Great Hall at the beginning of each examination session.

To avoid last minute anxiety, make sure you consult the notice boards and locate your examination rooms well beforehand.

C · A · E · P · O · E · T · S · I · N · N · E · W · P · U · B · L · I · C · A · T · I · O · N

A 34-page collection of poems, "Inner Conflicts", is the first fruits of creative writers (staff and students) attached to Newcastle College of Advanced Education.

The publication has been edited by Denis King, of the English Department at the College and, in his introduction, he says he was happy to be able to include a few works by distinguished poets from outside the college.

About 35 poets, including Norman Talbot, of the Department of English, University of Newcastle, contributed to the poetry magazine, which is impressively illustrated and can be obtained by ringing Mr King on 68 7349.

LEADING BIOCHEMIST TO BE MACQUARIE VICE-CHANCELLOR

The Chancellor of Macquarie University, the Right Honourable Sir Garfield Barwick, has announced that a distinguished biochemist had been appointed Vice-Chancellor of the University. He is Emeritus Professor Edwin C. Webb, at present Deputy Vice-Chancellor (Academic) of the University of Queensland, who will take up his new position on February, 1976, following the retirement of Macquarie University's first Vice-Chancellor, Emeritus Professor A.G. Mitchell.

Born in England in 1921, he became an open scholar of Clare College, Cambridge, and graduated with first-class honours in 1942, later receiving the degrees of Master of Arts and Doctor of Philosophy from Cambridge University.

Professor Webb is chairman of a four-man Commission set up by the Australian Government in August, 1974 to inquire into chiropractic, osteopathy, homeopathy and naturopathy. Other national committees on which he serves include the National Health and Medical Research Council's Medical Research Advisory Committee, Project Grants Committee and National Scholarships Committee, the national committee administering the Commonwealth Coursework Postgraduate Awards Scheme, and the Australian-Asian Universities Co-operation Scheme.

Professor Webb is married, with five grown-up children.

C H R I S T M A S P A Y A R R A N G E M E N T S

The Vice-Chancellor has authorised the following pay arrangements for the period, December, 1975 to January, 1976:

- December 11 - normal pay-day,
- December 18 - payment to all members of staff of salary due on December 25,
- January 8 - normal pay-day,
- January 22 - normal pay-day.

These arrangements are of a standard nature for members of the General Staff, but represent a change from previous advance-pay arrangements for members of the Academic Staff.

The annual leave loading payment will be made to members of staff entitled to receive it on a basis similar to that which applied last year, i.e., it is expected that payment will be made during December in the case of members of the Academic Staff, and in accordance with standard arrangements which apply to members of the General Staff.
When considering the question of changing the arrangements which had applied in previous years, we were influenced by a number of factors including the increasing size and complexity of the payroll, the continuing growth of the end-of-the-financial year pressures during December/January and the possibility that salaries indexation may lead to quarterly adjustments being made during January.

L.W. HARRIS,
Bursar.

WALK TO TASMANIA

"Australian Science Newsletter" (September, 1975), distributed by the Australian Information Service, reports that a PhD student at the Australian National University in Canberra has cleared up a 200-year-old problem of how Tasmanian Aboriginals reached their island. Sandra Bowdler, of the Department of Prehistory in the ANU's Research School of Pacific Studies, has uncovered what she described as the first "irrefutable evidence" that Aboriginals walked across Bass Plain to Tasmania.

She explains that because of the glacial period and resulting lower sea levels the plain would have been exposed, forming a land bridge to the Australian mainland.

Her evidence comes from excavations in a cave on Hunter Island, just north of the north-west corner of Tasmania. It pinpoints human occupation to as far back as between 18,000 and 23,000 years ago - a time coinciding with the last glacial maximum.

Sandra Bowdler's reconstruction is that the Aboriginals occupied the cave during the glacial period as they did other islands and the upland that is now the island of Tasmania. They probably hunted animals such as the kangaroo on nearby parts of the Bass Plain. This is suggested by evidence found in the layers in the Hunter Island excavation.

TALK ON TELEVISION TEACHING

An open lecture on "Uses and Abuses of Closed Circuit Television in Tertiary Teaching" will be given by Dr John Powell, Acting Director Tertiary Education Research Centre, University of New South Wales, in Maths Theatre V101 on October 28 at 1.10 p.m. All are welcome to attend.

EARLY NOTICE REGARDING ANZAAS

The 47th Congress of the Australian and New Zealand Association for the Advancement of Science (ANZAAS) will be held in Hobart from May 10 - 14, 1976. Interested persons may obtain further information from the Congress Office at the University of Tasmania, Box 252C, G.P.O., Hobart. 7001. Mr J.W. Armstrong, of the Secretary's Division, has two copies of a preliminary brochure.

SPEAKER FROM FOSTER PARENTS GROUP

"Third World Issues" is the title of the public lecture and discussion to be given by Mr Ken Welsh, N.S.W. Regional Officer, Foster Parents Plan of Australia, at the WEA adult education centre, 63 Union Street, Newcastle on Friday, October 31, at 8 p.m.

Mr Welsh will discuss the social, economic and political problems of the "third world" and how they relate to the task of overcoming poverty. He will touch on the history of economic aid and current trends and alternatives in the present world situation.

The areas in which his organisation (Foster Parents Plan of Australia) is currently active include Korea, The Philippines, Vietnam, Indonesia, Bolivia, Brazil, Colombia, Ecuador, Haiti, Peru and Ethiopia.

The meeting will be open to the public and there will be no charge for admission.

PUBLIC LECTURE ON ART

An illustrated public lecture, "Art in Relation to the Public Environment" is to be given by Otto Herbert Hajek, world-renowned environmental sculptor, at the WEA adult education centre, 63 Union Street, Newcastle, on Tuesday, November 4 at 8 p.m.
Born in Czechoslovakia, Hajek is a graduate of the State Academy of Fine Arts in Stuttgart (where he now lives) and is President of the German Artist's Association. In Australia he has been at work on a sculpture garden for the Adelaide Festival Centre. Hajek will discuss artistic creativity and philosophy applied to public places.

**TALKS ON FAIR DEALING**

A seminar on "The Rights of Consumers" will be conducted at the University on Tuesday, November 11. It has been arranged by the Department of Community Programmes and the Association for Consumer Education.

The speakers will be:

- Mr P.H. Gallagher, the Commissioner for Consumer Affairs for New South Wales.
- Mr J. Llewellyn, National Executive Director of the Australian Finance Conference. As such he represents the Finance Industry in its dealings with public authorities, and is responsible for consumer education in finance matters.
- Mr O.D. Sperling, Vice-Chairman of the Australian Consumers Association, the publisher of CHOICE. He is a practicing lawyer.
- Mr P. Stein, a Sydney lawyer, a Council Member of the Australian Consumers Association.
- Mr R.S. Woodgate, a practising solicitor and honorary legal adviser to the Association for Consumer Education.

**RECITAL OF OLD JAZZ**

The Department of Community Programmes and the Australian Society for Musical Education will present a musical recital, "A History of Jazz - 1860 to 1919", in the Arts/Drama Theatre on Wednesday, October 22, at 8 p.m.

It will be narrated by Tom Naisby and "live" illustrations will be given by the Newcastle/New Orleans Jazz Band, led by Jack McLaughlin (clarinet).

The cost is $1.50 (students 50c) at the door.

**GRADUATE CHOSEN FOR FIRST NEWTON-JOHN AWARD**

Ald. Allan Morris, of Newcastle City Council, will be the first recipient of the Newton-John Award.

He will be presented with the award at Convocation's annual dinner in Edwards Hall on Saturday, October 25.

The novelist Xavier Herbert, who is presently attached to the University as its first Writer-in-Residence, will be the guest speaker at the dinner.

A panel of judges (the Warden of Convocation, Professor Ken Dutton; The Vice-Chancellor, Professor Don George; the President of the Hunter Valley Branch of the Australian Federation of University Women, Mrs Gwen Hamilton; the News Editor of the Newcastle "Sun", Mr V. Levi; and Newcastle Pathologist and former member of the University Council, Dr P.I.A. Hendry) made the selection after considering nominees.

The Award is named after Emeritus Professor Brin Newton-John, the university's former Vice-Principal and Deputy Vice-Chancellor; being instituted by Convocation to give recognition to graduates of this university and Newcastle University College who have made a substantial contribution, by way of innovation or creativity in any field, towards enhancing the quality of life of the community.

Professor Dutton stated that the panel of judges had been particularly impressed by Ald. Morris' work in community development, notably in relation to the City Council, the annual Cooks Hill Fair and Newcastle East Development Committee.

(Ald. Morris holds a BA degree in this university, having graduated in 1968. As a student he was active in student politics and drama. He was Editor of Opus. His wife, Anne [formerly Bastian], is also a Newcastle graduate. Allan Morris is a systems analyst who has represented City Ward as an A.L.P. alderman since September, 1974).

**C.A.E. TOUR FOR UNIVERSITY WOMEN**

The Hunter Valley Branch of the Australian Federation of University Women has arranged a tour of the Newcastle College of Advanced Education for October 22 at 6 p.m. Members wishing to attend should park their cars in
the College Car Park and then gather at the entrance to the Griffith Duncan Theatre Building. Dinner will be held as usual in the Staff House.

The annual general meeting will be held after dinner at about 8.45 p.m.

The Christmas Dinner will be held at Edwards Hall on November 26. The Guest Speaker will be the Vice-Chancellor, Professor D.W. George.

**STAFF MEMBER RETIRES**

Assoc. Professor Arthur Ritchie, of the Department of Geology, retired on October 21 after 24 years' association with the University and its predecessor Newcastle University College. In celebration of the event he was farewelled at The Waratahs Rugby Club by members of staff of the Department of Geology.

Professor Ritchie was foundation President of University Rugby Union Club, being responsible, with Mr Ken Booth, M.L.A., a member of the Council of the University, for the formation of the Club in 1955, and has also been actively interested in swimming, skiing and tennis activities at the University.

He was born in Richmond, near Sydney, in 1911, one of five children. His father was a coachbuilder, whose output included sulkies, carriages and, later, buses. He was educated at Parramatta High School and Sydney Teachers' College. Having also attended Sydney Technical College, he received his A.S.T.C. in Science in 1937. In 1938 he became a school-teacher at Broadmeadow High and a part-time teacher in mineralogy and geology at Newcastle Technical College. During World War II he served as a civilian with the Air Observer Corps, whose task it was to track the paths of all aircraft flying over the city, day and night. Later he was transferred to Newcastle Technical High School and, in 1947, to the Technical College as a full-time teacher.

Arthur and the other Tech. College diploma staff were absorbed by Newcastle University College when New South Wales University of Technology opened up the College at Tighes Hill in 1951. He was promoted to Senior Lecturer in 1962, a designation he held at the time the University of Newcastle was instituted in 1965 and until 1967, when he became an Associate Professor.

Professor Ritchie has visited many countries for study leave purposes, including France, Italy, the United States and Canada and Russia. He has authored a number of publications dealing with the use of chromatography in geology, and is a member of the Editorial Board of the international journal, "Chemical Geology", which is published in Holland.

He stated that one way to obtain a conception of the University's growth was to compare former and present conferring of degrees ceremonies. For most of the life of Newcastle University College degrees were conferred in the outdoors in front of the Sir Edgeworth David Building at Tighes Hill. The Chancellor of the University of New South Wales came to Newcastle to admit candidates to their degrees. "At first we had a phenomenal run of fine days, but one ceremony was washed out and thereafter we used Newcastle City Hall." He said a very interested and inspiring period had followed the arrival of the first batch of new members of the University College's staff, who were mainly from British universities, to work with the lecturers who taught the old Diploma courses.

Professor Ritchie said he was happy that present university students were more courageous and outspoken than those of former years. This attitude should be encouraged in Newcastle, where many parents who had been denied the opportunity to obtain university degrees, looked at the university as being "a superior high school".

His wife Jean is a keen member of the Faculty Wives Group and he has two sons and a daughter.

**EXPERTS TO TALK ON THE CONSTITUTION**

A public forum on the current crisis in Australian Constitutional Law will be held in the Arts/Drama Theatre on October 23 at 6 p.m.

The principal speakers will be Professor Kevin Lindgren, Mr Chris Enright, Mr Ray Watterson and Mr David Mitchell, all of the Department of Legal Studies.

**TEAS INQUIRIES**

Messrs Raymond and Ward, of the Australian Department of Education, will be available to receive TEAS applications and answer enquiries in the McLarty Room, The Union, from October 15 until the beginning of December.
ELECTION OF MEMBER OF COUNCIL BEING A STUDENT OF THE UNIVERSITY ELECTED BY THE STUDENTS OF THE UNIVERSITY

At the closing time for the receipt of nominations of candidates for election to the Council of the University as a member being a student of the University elected by the students of the University to fill the casual vacancy caused by the resignation of Mr T. Allen, only one valid nomination had been received, namely that of PETER WILLIAM TULLGREN.

As only one valid nomination was received it will not be necessary for a ballot to be held and I therefore declare Peter William Tullgren elected to the Council of the University as a student of the University elected by the students of the University to hold office for the remainder of Mr Allen's term of office, namely from January 1, 1976 until June 30, 1976.

P.D. ALEXANDER,
Returning Officer

GROUP TO TRY TO SHED WEIGHT

As a help to students and members of staff who believe they are too corpulent, a group calling itself the Lose Weight Wisely Group proposes to hold weekly meetings on campus.

Members will be encouraged to assist their fellow members to overcome dieting problems. Meetings will be held in the Health Service, The Union, on Wednesdays at 1 p.m., beginning October 22.

24TH S.R.C. OFFICERS

Mr Paul Drinkwater, who is enrolled in the Faculty of Arts, has been elected President of Newcastle University Students' Association and the 24th Students' Representative Council, which will assume office in March next year.

Mr Greg Wicks, currently President, will continue to serve until the annual general meeting of the Association is held early in first term next year.

Other 24th S.R.C. officers elected:

Leo Walsh, Honorary Secretary; Kim Wheeler, Honorary Treasurer; Tony Nolan, Media Officer; Peter Law, AUS Secretary; Barbara Rigby, Women's Officer; John Alexander, Environment Officer; Geoffrey YU, Overseas Students' Officer; Deborah Nixon, Social Action Officer; Jennifer Lyon, Services Officer.

Nominations are still being called, closing on October 21, for election as Race Relations Officer and Education Officer.

Nominations will close on October 22 for election to the 24th S.R.C. as representatives of the Department of Metallurgy and the Faculties of Architecture, Arts, Economics and Commerce, Engineering, Mathematics and Science.

CLOTHING APPEAL FOR ABORIGINALS

The S.R.C.'s appeal for clothes which will be given to Aborigines living in Ivanhoe, Wilcannia and other western centres has met with a good response. Nonetheless more clothes are needed and anybody possessing clothes which they do not need are requested to take them to the S.R.C. office in the Union.

TUNRA SHOWS ITS SERVICES

Representatives of industries, commerce, Government and semi-government Departments inspected the University's research facilities and met Heads of Departments and their staffs on October 10. The object of the inspection, and an informal dinner afterwards, was to inform executives about the knowledge, services and equipment available to them through TUNRA, the University's research company.

The Chairman of Directors of TUNRA (Mr A. Forsythe) outlined his organisation's history and presented a $5,000 cheque to the Vice-Chancellor (Professor Don George). The money will be used to purchase additional volumes for the Auchmuty Collection in the Library.

Mr Forsythe said that several years ago members of the academic staff of the University, in a desire to serve the community, made the suggestion that the University should form a company similar to "Uni Search Ltd" and, through the company formed, make available skills held by the various academics at the University to the community at large. The company formed was TUNRA and,
since its inception, through its agency, service had been given to the community.

"You would realise that the Company is wholly owned by the University and its profits resulting from its earnings can only be used for the benefit of the University. Many of you here have had work carried out by TUNRA and I trust the work has been to your satisfaction. I thank you very much for your support of the Company.

"TUNRA has carried out work for a wide range of interests," Mr Forsythe said. "Some of our projects have involved fees of up to $50,000; some of the work has been carried out for fees of less than $50. Through our association with the University, an extremely wide range of subjects can be studied and reported upon. Studies have been undertaken for both Federal and State instrumentalities and departments.

"Those of you who have had works carried out at the University will be pleased to know that the profits earned by TUNRA have been used to provide research facilities, equipment and plant not normally provided by Government sources and a grand piano for the Great Hall. The Company has made funds available for the publication of papers by members of the University and the support of research projects".

GRADUATES NIGHT

Members of Convocation have been invited to attend a Graduates Night at Newcastle Rugby Club on November 27 at 7 p.m. The arrangements have been made by Standing Committee of Convocation.

The object is to hold an informal reunion and get-together for graduates. The Vice-Chancellor will give an address on the development of the University. A bar service will be available.

NEW IDEA WITH RADIO

A weekly radio programme "Educators Speak Out", broadcast on Radio Station 2NA, is a noteworthy collaboration between the University of Newcastle and the Australian Broadcasting Commission.

Mr John Hill, Lecturer in Community Programmes, designed and produced nine separate programmes, each lasting approximately 15 minutes.

Lecturers in Education from the University and Newcastle C.A.E. assisted by choosing the subjects and participating in the actual productions. The programme notes have been distributed by the N.S.W. Department of Education to district schools, where teachers are meeting in groups after school so that they can discuss the arguments raised in the programmes. Later, when the series has been concluded, it is intended to hold a seminar at the University.

The programmes are broadcast on Thursdays from 1.55 to 2.10 p.m. Each is concerned with educational issues on which divided opinions are held. Interviews, group discussions, dramatised sketches, straight scripts and other devices are used to vary the productions.

Programmes presented so far have featured Mr P.N. Chopra, Professor J. Biggs, Mr A. Murphy, Mr M. Scott and Mr P.J. Moore.

Dr J.H. Wise will appear in a programme on "Lessons From Abroad" on October 23, and Mr P.W. O'Brien will speak on "Overseas Innovations" on October 30.

CREDIT UNION'S LONGER HOURS

As from Tuesday, October 14, the Credit Union Office, in the Temporary buildings, extended its hours of opening. Mrs S. Stevens, the Assistant Treasurer, is available at the office on Tuesdays and Thursdays from noon to 2.30 p.m., is able to answer queries concerning accounts and arrange for cheques to be made available within two days.

UNIVERSITY APPOINTS MEDICAL OFFICER

"The University Health Service tends to provide a different service than medical practitioners in the community".

These are the words of Dr Bob Burke, who has just taken up his appointment as our first full-time medical officer.

The Health Service is staffed by Dr Burke and a nursing sister, Kate Krister, who help students and members of staff who are sick or who have had accidents and who want information about health and preventive medicine.

"At the Health Service the student is regarded as being responsible for his well-being and treatment. No information about his attendance at the service
is divulged without the student's expressed request", Dr Burke said.

"As the incidence of student problems and distress and the concern of students about their physical, emotional and psychological well-being are frequently different from those of members of their age group not attending university, the Health Service tends to provide a different type of service from that of medical practitioners in the community.

"The Service does not provide a comprehensive service. It has no beds for in-patient care, no facilities for major surgery, no X-ray facilities, nor staff to provide treatment in many of the specialist services. It does not attempt to take students from their medical practitioners and family doctors".

The Medical Officer was born in Tamworth and gained his M.B. and B.S. at the University of Sydney. He was a Resident at Wollongong and Royal Newcastle Hospitals before going to England, where he was attached to a hospital as a Resident. Since returning to Australia in 1969 he has been engaged in private practice in Newcastle. Dr Burke is married and has three children.

He is in attendance at his surgery in the Union from 9.30 a.m. to 1.30 p.m. and from 2.30 to 4.30 p.m. on Mondays, Tuesdays, Wednesdays and Thursdays and from 9.30 a.m. to 1.30 p.m. on Fridays.

**C U L T U R A L S T U D I E S C O N F E R E N C E**

From December 6 to 13 Goulburn College of Advanced Education will be sponsoring an intensive cultural programme involving the cultures of Iran, Spain, Egypt, Turkey and Pakistan. The programme has the full support of the five Governments concerned, and is partly financed by them. Accredited representatives and guest speakers will include the Ambassadors.

The conference theme will be "The Changeless and the Changing in Islamic - Arabic - Hispanic Cultures". A variety of approaches will be experienced through a sampling of history, religion, politics, music, art and food. Eminent speakers have been engaged.

Programme details are available from Mr. L. Maroya, Goulburn College of Advanced Education, Goulburn. 2580

**G E O L O G I C A L S O C I E T Y ' S M E E T I N G**

The next meeting of the Hunter Valley Branch of the Geological Society of Australia will be held in Physics Lecture Theatre DG08 on Friday, October 24, at 7.30 p.m. The society welcomes anyone interested.

The occasion is the 1975 Peter McKenzie Memorial Lecture to be given by Mr K.G. Mosher, O.B.E., E.D. The title of his address is "The Geologist here, whence and to where".

Ken Mosher is one of the State's longest serving geologists and has only recently retired as Chief Coal Geologist with the Kembla Coal and Coke Company.

**S T A F F H O U S E E X E C U T I V E E L E C T E D**

The Vice-Principal (Professor A.D. Tweedie) was reelected President of the Committee of the Staff House at the annual meeting on October 13.

Associate Professor P.G. Irwin was elected Secretary for a second term and Mr H. Floyer was reelected Treasurer.

Mrs M. Rabbitt succeeded Dr N. Rutherford as Vice-President.

Dr D.D. Todd and Messrs R.W. Gibberd, L.W. Harris and E.J. Burke were elected to the committee to replace Dr Rutherford and Messrs R.N. Watterson, J.W. Armstrong and F.C. Hawkins.

The annual meeting passed a resolution which amended the club's Articles of Association to make all full-time members of the University staff eligible for Ordinary Membership and part-time members of staff and ordinary members who retire eligible to become associate members.

Professor Tweedie told the meeting that the club was incorporated in July, 1972 with 145 foundation members who were all ordinary members. At June 30, 1975 the membership comprises 228 ordinary members, 21 associate members and three life members.
REEF BIOGENESIS SYMPOSIUM

December 15-16, 1975, Australian Institute of Marine Science, Townsville, Queensland, Australia.

The Australian Institute of Marine Science plans to expand its research efforts in 1975-1976 into the area of coral reef biogenesis. The long term objective is to develop a unifying model of the growth, development, and maintenance of the Great Barrier Reef, melding considerations of contemporary and historical processes.

As part of this expansion, and to identify critical areas of research, AIMS will host a Symposium at which review papers will be presented.

The Symposium will consist of a number of invited lectures during two morning sessions and the presentation of contributed papers in the afternoons. Invited participants include: Dr A.A. Benson, Scripps Institution of Oceanography, Dr M.S. Doty, University of Hawaii, Dr M. Littler, University of California, Irvine, Dr L. Muscatine, University of California, Los Angeles, Dr S.V. Smith, University of Hawaii and Dr D. Stoddart, Cambridge University.

Contributed papers will be allowed not more than 20 minutes. Only one paper per author should be submitted. It is intended to publish a volume of invited morning lectures as part of the AIMS monograph series.

Marine scientists interested in attending the Symposium or in presenting a paper are invited to contact: Reef Biogenesis Symposium, Australian Institute of Marine Science, PO Box 1104, Townsville, Queensland 4810, Australia.

ADVERTISEMENTS

PRIVATE SALE: October, 1975, Holden Belmont Wagon (manual) blue, excellent condition, fully maintained, 10,000 miles only, $2,800 cash sale. Telephone 68 3717, Monday to Friday, 9 a.m. to 5 p.m., or call into the Union Office.

FOR SALE: 1949 Vanguard car, unregistered, $90 o.n.o., 'phone 87 2372.

TYPIST: Miss Jennie Boyton, of 73 Violet Town Road, Tingira Heights ('phone 48 8329) is available for thesis and report typing. Her rates per page are: quarto 50 cents and foolscap 80 cents.

FOR SALE: Typewriter, Imperial, full size manual "old reliable", $15, ring Ext. 494 or 43 6686 after hours.

HOUSE FOR RENT: A three bedroom house with a study and family room is available at Valentine for rental from mid-December, 1975 to December, 1976. Persons interested should ring Ext. 579 or Ext. 332.

HOUSE NEAR EDINBURGH: Dr A Anderson, of the Department of History, owns a 3-bedroom house near Edinburgh, Scotland, and is willing to rent it to any member of staff who is going on overseas study leave. The house, close to the hills and a five-minute walk from the Edinburgh bus, will be vacant from next January. Dr Anderson will be happy with a good tenant and a rental covering running costs.

FOR SALE: Simpson-Pope washing machine. Wringer model, with water pump and heater. Excellent condition. $85. 'Phone 52 5279 after 5 p.m.


Quality hand crafted colonial maple stereo, 6 speakers, turntable,AM/FM radio, tape deck, $900 o.n.o. Ring 43 6990.

WANTED: Transport to University from Fawcett Street, Mayfield to arrive 8.30 a.m. Monday to Friday. Mornings only would be O.K. Will contribute to petrol. Ring Marie Ext. 296.

FOR SALE: Catamaran, 5 metre "Venture" Fibre-glass and aluminium, good condition. $1,000 o.n.o. Ring Ext. 373.
FOR SALE: 1974 Galant. Radio, log book, 12,500 miles, complete service check 18/10/75. $2,970. Mrs W. Murdoch, Ext. 394 or 10 Bareena Street, Raymond Terrace 2324.

FOR SALE: New Lambton Heights, 19½ square weatherboard and tile, $41,950. Four bedrooms all with built-ins, main bedroom is air-conditioned. Internal stairway leads to 3½ square rumpus room, and double garage and workshop area. Large L-shaped lounge/dining room, large eat-in kitchen, tiled bathroom, entry foyer, covered front and rear patios. Second shower and toilet, large block with well-established garden, 'phone, wall to wall carpet, light fittings, blinds, curtains. Handy to transport, with pleasant aspect and sweeping city views. 'Phone 52 2854.

TYPING DONE: For thesis and general typing, contact Mrs L. MacLean, 60 Young Street, Carrington.

FOR SALE: Lake Macquarie - Toronto. Absolute waterfront. 220 degree view of lake through trees on cliff edge over beach. Large four bedroom old style timber house. Good condition. Large garden, $55,000. Ring 59 2314.

CHRISTMAS CAKES FOR SALE: Lions Club cakes, proceeds aid Save Sight campaign, $2.50 each, available from Mrs E. Regan, Department of French.

UNIVERSITY UNION SHOP: Trading hours 9 a.m. to 5.30 p.m., Wednesday 10 a.m. to 7.30 p.m. We are agents for the Hamilton Diamond Centre, 10% discount, try our lay-bys.

UNIVERSITY UNION SHOP: End-of-year sale starts November 1, sale items: calculators, drawing instruments, stationery, drawing boards and many more.

SURPLUS EQUIPMENT: Tenders are invited for the following equipment, which is surplus to the University's requirements: 3 Electric Typewriters, IBM, Golf Ball type, 1 Manual Typewriter, Imperial 70. The typewriters are available for inspection at the University's General Store. For further information telephone 68 0401, ext. 372. Tenders should be forwarded to the Purchasing Department, University of Newcastle, N.S.W. 2308, in an envelope marked "Tender for Typewriters". The closing date is 11.30 a.m., November 14, 1975.

APPLICATIONS AVAILABLE

Applications are invited for the following positions:-

TECHNICAL OFFICER - DEPARTMENT OF MECHANICAL ENGINEERING Position No. N110/75

Applicants must have completed the Technical College Certificate course in Mechanical Engineering or completed other qualifications deemed by the University to be equivalent and appropriate. Previous laboratory experience would be an advantage. The appointee will be required to assist in the development of the Mechanical and Industrial Engineering Laboratories within the Department. Commencing salary will be within the range $6047 - $8863 per annum, depending upon qualifications and experience.

STENOGRAPHER - DEPARTMENT OF ENGLISH Position No. N111/75

An experienced, competent stenographer is required. The work of the Department is varied and interesting encompassing a range of duties including considerable contact with staff and students. Commencing salary will be up to $123.03 per week, depending upon age, qualifications and experience. In addition efficiency allowances up to $9.97 per week can be gained by passing speed tests at examinations. Applicants are asked to show on their application form the shorthand and typing speeds which they are confident of achieving under tests.

Application forms may be obtained by contacting the Personnel Department, Ext. 518. Applications close 17.10.75.
Cricket Team's Manager

Dave Willet, George Preston and Geoff Andrews, of University Cricket Club, have been nominated for selection in the Australian Universities Cricket Team to tour New Zealand next January. The Selectors are Mr I. Dunn (University of Wollongong), Mr G. Elliott (University of Melbourne) and Mr Bradford.

The itinerary for the tour by the Australian Universities team:

**January**: 17, Arrive Auckland, 18 and 19, play Auckland, 19, bus to Hamilton, 20 and 21, play Waikato, 21, fly to Palmerston, 22 and 23, play Massey, bus to Wellington. 25 and 26, play Victoria, 27, fly to Christchurch, 28 and 29, play Canterbury, 30, train/bus to Dunedin, 31, rest, **February**: 1 and 2, play Otago, 3 rest, 4, 5, and 6, play Combined New Zealand Universities and 7, Dunedin/Christchurch.

Tennis Championships

Anybody who is a member of the University's Sports Union will be able to compete in the Australian Universities Tennis Championships. Consequently members of the University's staff are eligible.

Newcastle companies and individuals have donated $900 so far for trophies for the championships, which will be held at District Park Courts from December 1 to 5.

Organisers were pleased to be informed that Ken Rosewall and another famous professional tennis player will give an exhibition.

Fitness Course Mooted

Messrs H. Bradford and S. Barwick, of the Amenities Office, have suggested to the University Administration that a fun and fitness course be constructed on the campus. Various kinds of such courses exist at universities and fitness camps. All seem to include horizontal bars, "A frame" structures, tree stumps and hurdles, as well as instruction signs.

Badminton Winners

The following players took the laurels in the University's Open Badminton Championships:

- Men's Singles, Song How Goh;
- Ladies Singles, Anne Ryan;
- Men's Doubles, Song How Goh and Brian Hickman;
- Ladies Doubles, Anne Ryan and Patricia Lim.

David and Goliath

After winning this year's indoor soccer competition, the Administration team threw caution to the wind and agreed to play a crack team led by Ray Baartz, the Australian representative.

Administration played brilliantly to score four goals against Baartz's team. The score at the whistle was 4 - 4.

The teams: Administration United, Neil Porter, Robin Noble, Trevor Askie, Bob Swetnam and Russel Schott; Ray Baartz's Merrymen, Ray Baartz, Doug Johns, Bobby Cameron, Howard Young and David Jack.

Water Sports Centre

Greater use is expected to be made of the University's boat shed at Raymond Terrace if the Sports Union is successful with its proposal that an aquatic centre be established on the site.

The Sports Union wants to change the name to University Aquatic Centre. When work is completed, the intention is to make the centre available for rowing, canoeing, sailing and water skiing.

Representatives of the Amenities Office, the Administration and the Planner's Division have inspected the boat shed following the Sports Union's request that facilities be upgraded to accommodate the various water sports.

It is intended to provide a number of canoes, two sailing craft, a speed boat, water skis and other facilities at the aquatic centre before the start of first term next year.
Speedy Mathematicians

After judges had finished listing the names of the 1,423 joggers who completed the 1975 Newcastle Fun Run, it was established that the division for University and C.A.E. members had been won by Mathematics.

The Maths team consisted of Ralph Brauer (100th place), Ray Armstrong (112th), John Couper (180th) and Larry Cummings (216th).

Runners up were Education (Russell Tulloch - 56th place, John Biggs - 156th, Chris Edmeads - 201st and Vince David - 365th).

Newcastle C.A.E. was third.

University of N.S.W. Match

On Sunday, October 12, cricketers from the University of New South Wales were hosted by Newcastle students and members of staff at No. 1 and No. 2 Ovals.

The staff v. staff match, Newcastle opened and showed unbounded confidence. Richard Dear scored an impressive 50 not out, Darryl Doherty (captain) accumulated 40 n.o., Frank Hawkins scored 26 and John Armstrong 16 n.o. When the limit of overs was reached, Newcastle was worth 164 runs.

With enthusiasm running out of the hosts' ears, N.S.W. replied. They managed to score 93. Newcastle's best bowler was David Dunlop (3 for 11). P. Moss who took 3 for 10 was actually one of N.S.W.'s men who was surplus of his team's requirements.

A return Newcastle v. N.S.W. staff match is being planned for next March.

In the student match, N.S.W. opened and registered an impressive 181 runs, G. Garland top scoring with 51. Newcastle's best with the ball were George Preston (3 - 29) and Peter Fleming (3 - 22).

When Newcastle batted it scored 145. Its best bats were A. Northey (45) and P. Franklin (39). N.S.W. bowler J. Robson took the most wickets of the two matches - 5 for 21.

Hotel Accommodation

Why not stay at hostels operated by the Youth Hostels Association in Australia and overseas? Information is available at the Amenities Office.