Ballots for Council

At the closing time for nominations in the current Council elections, the number of nominations received in two of the categories equalled the number of vacancies. In the other two categories there was a very keen response.

Declared elected as the professional members were Professors G.J. Jameson and G.M. Kellerman.

Mrs. M.E. Rabbitt and Mr. M.E. Edmonds were elected as the non-academic members of the Council.

The number of members of the academic staff (other than professors) was increased to two by a recent amendment Act.

Seven nominations were received for these two places. The nominees are:

Assoc. Professor John Bach, Assoc. Professor Geoff Curthoys, Mr. Joao De Castro Lopo, Dr. David Finlay, Mrs. Margaret Henry, Dr. John Lee and Mr. Brian O'Shea.

The Convocation membership was also recently increased to six. The six vacancies will be contested by twelve candidates:

The Very Rev. Robert Beal, Mr. Warren Derkenne, Emeritus Prof. Clifton Ellyett, Mr. John Gillard, Dr. Peter Hendry, Mr. Vic Li, Mr. Phillip Miller, Alderman Allan Morris, Mrs. Elizabeth Morrison, Mr. Brian Relf, Mr. John Skehan and Dr. Kevin White.

On the ballots which are necessary, voting will be carried out by means of postal vote. Voting papers have already been sent out and are to be returned to the Returning Officer (The Secretary to the University) by 12 noon on June 26.

 SRC Officers

Mr. David Smith, an Arts III student, is 1980 Vice-President of the 28th Students' Representative Council. He defeated Mr. John Wlodarczyk by 15 votes to six in an election at the SRC meeting on June 2.

Mr. Ross Dibley, an Economics and Commerce student, was elected Director of Student Publications, including OPUS.

Four-Term Year

Professor Michael Carter, in his capacity as Deputy Chairman of Senate, has been appointed to a Working Party to undertake an assessment of the proposal that a four-term year be introduced in New South Wales schools.

Professor Carter is interested in the views of members of the University staff on the proposal and hopes they will give their views to him.

The Working Party to which Professor Carter belongs was set up recently by the Conference of New South Wales Vice-Chancellors. The Conference decided to make a submission on the four-term school year to a special committee of the New South Wales Parliament.

Professor Carter stated that he identified two main considerations in connection with a four-term school year at this stage:

- Whether or not the proposal was a desirable educational reform and
- What problems would be presented by it for universities.

"Problems may arise if the universities wish to preserve common vacation weeks, during which scholarly conferences and sporting contests are normally held", he said.

"Also, the interests of mature age students, who have children going to school, and of university staff, should not be overlooked".

Those who wish to give their views on the proposal to Professor Carter should telephone him on Extension 307.
Dear Sir,

As experience is said to be the best teacher, what lessons can we derive from the recent half-day strike of the members of the PSA employed at the University?

Question 1: Did all members of the PSA stop work?

Answer: No. There were some members who remained on the job for various reasons. As well there were some moral scabs who took the time off as flexible, thereby avoiding the financial losses experienced by the rest.

Question 2: Did the strike achieve the result set out in the motion passed by the meeting?

Answer: No. The University did not grant the salary increases as demanded.

Question 3: As the administrative and clerical staff are receiving a pay rise how was this achieved?

Answer: The salary increases were determined by a Commissioner of the Conciliation and Arbitration Commission after hearing evidence and after the parties to the Award (the University and the PSA) had agreed to disagree.

Question 4: Was it necessary for the members to go on strike to achieve this result?

Answer: No. Conciliation and Arbitration must hear the matter promptly once a dispute has been notified to them by the Union under the appropriate section of the Act. The requirements of having a meeting of the personnel affected pass a resolution to go on strike at a specific time and date in the near future. The Commissioner has in the past ten years always heard the case within seven days of notification of a dispute. Of course, this adds the need to go on strike and the consequent loss of pay.

I believe the lessons are there to be learnt - by the members and by the Sub-Division Committee alike.

NEIL KEATS
Department of Chemistry.
OBITUARY

GEOFFREY ALAN CRANFIELD, Professor of History.

Members of the History Department believe that the whole University will share the sorrow they feel at the death of their Professor, G.A. Cranfield. We of the Department had hoped his recovery from a serious illness in 1977 had been complete. He adjusted himself to the restrictions which that illness placed upon him for the two years able to work with great vigour on both his teaching and his research; but those years were only an Indian summer: he departed suddenly during the last vacation, and he died of cancer on May 30.

Geoffrey Alan Cranfield was born near London on August 29, 1920 and was educated at Whitgift School in Surrey. In 1941 he joined the Royal Navy: after a period of service in HMS Geranium, a corvette on Atlantic convoy, he went to a mobile shore radar unit which operated in support of a long series of landings in Italy. Geoff could seldom be persuaded to talk seriously of his war service. He liked to say that the only time he got near the enemy was when a U-boat captain of a sensitive man's reaction to the bloody shambles of Anzio and the smell of death at Monte Cassino.

In 1946 he was discharged from the Navy and went, as a College Exhibitor, to Queens' College Cambridge. In 1949 he took his first, was elected Foundation Scholar of Queens', and began research under the supervision of J.H. Plumb. His Ph.D. for a thesis on the English press in the eighteenth century was awarded in 1952. In July that year he arrived in Sydney in company with the former Vice-Chancellor to take up an appointment in the School of Humanities and Social Sciences of the New South Wales University of Technology; two years later he was promoted Senior Lecturer and in 1956 he transferred to Newcastle University College, becoming Assoc. Professor of History in 1961 and serving as Acting Head of the Division of Arts in 1963-64.

When the University became independent Geoff was appointed as the Foundation Chair of History: he remained Head of the Department until March 1978.

His last visit to the University, ten days before he died, was for just such a purpose. His own research was of the highest order. At Cambridge which had already produced the invaluable Handlist of English Provincial Newspapers before he came to Australia, was a leading stylographer. The Development of the Provincial Newspaper, published by the Clarendon Press in 1962, was described in the English Historical Review as a 'first-rate and major work'. A major British and Australian journals. When he died he was at work on a study of the radical pamphleteers of the eighteenth and nineteenth centuries.

Geoff had a lively sense of the need to bring the community, and particularly the schools, into contact with the University scholarship. He was President of the Newcastle History Teachers' Association from its establishment in 1957 until 1975, and was Patron at the time of his death. He organised and addressed numerous conferences and meetings of this body, spoke frequently to teachers and to pupils in schools, and served as an examiner in Modern History for over twenty years.

It is difficult in a short space to do justice to Geoff's many and, for people who did not know him, often surprising accomplishments and qualities. In his youth he was a competitive cyclist and a champion table-tennis player. His fluency and wit made him, for many years, one of Newcastle's most popular after-dinner speakers. He was an almost passionate animal lover. Above all he was the kindest and, though he liked to pretend otherwise, most tolerant of his colleagues. W.G.M.

SPORT

Kim Morris (Science) and Kate Buchhorn (Science) have been selected in the Australian Universities Men's Hockey Team to tour New Zealand next August. Kim has been promoted Vice-Captain.

Selections for the Universities Women's Hockey Team have not yet been made, but it is anticipated that some local content may be included.

The Sportsman's Bar in the Pavilion is proving a popular meeting spot for university men and women. All proposed alterations have not yet been completed. The Bar opening hours will be:

- Thursday, June 12 5 pm
- Friday, June 13 5 pm
- Saturday, June 14 4 pm
- Sunday, June 15 1 pm

Closing will depend upon the number of customers in the bar.

Club Secretaries have requested that a Disco be run in The Sportsman's Bar. This will be held on August 2 from 7.30 pm to midnight. The barbecue will be available from 6 pm.

The Ray Watt Oval has now been brought into the Hockey picture. It is hoped that it will be brought up to first-class standards before the end of the current season. The Hockey Club has played six of their home matches on campus, at weekends.
Although the SRC is opposed to the operations of aluminium smelters in the Hunter Region, it accepts that expansion of the aluminium industry in the Region is "seemingly inevitable." The Council's opposition, ratified at the meeting on June 2, is based on alleged adverse environmental effects, assertions which it considers to be false that there would be capital and employment benefits for the Region and alleged associations of the aluminium industry with companies that have not recognised aboriginal land rights.

Whilst accepting expansion of the aluminium industry, the Council resolved to ask the New South Wales Government to arrange for a public inquiry in the Hunter Valley concurrent with release of the proposed environmental impact statement on aluminium smelters and, in the light of the inquiry's recommendations, to set maximum fluoride emission levels for the three proposed smelters.

The SRC has decided to take up an offer made by the Director of the Commonwealth Department of Education in connection with the administration of the Tertiary Education Allowance Scheme.

Mr. D. Smith, Vice-President of the Students' Association, recounted that the Director, Mr. Green, appeared to be very receptive to representations made to him by students of the University. Mr. Green had asked the SRC to obtain further information about problems being faced in respect of the TEAS and make a report to his Department.

Mr. Green was told that some students had experienced problems and frustrations whilst making arrangements to receive their tertiary allowances. The view was put by the SRC that some difficulties would be alleviated if the TEAS Officer stayed longer on campus - say until May. However, the application form for TEAS was couched in "over-official terms," Mr. Smith said, causing first-year students, in particular, a great deal of trouble.

"The Director seemed to be disappointed to learn that some students had been forced to withdraw from courses this year because payment of their tertiary allowances had been delayed. 'He mentioned that, indeed, there were delays, caused by a computer break-down and that this was regrettable'.

The Vice-President commented that, unfortunately, crisis relief and advisory schemes for students, such as the Student Loan Scheme, were not widely publicised.

On June 12, Mr. Smith, Mr. Peter Bamford and Mr. Bruce Fumher will confer to find ways to inform students about alternative support services.

The SRC has invited students who have difficulties when they endeavour to qualify for the TEAS to make submissions.

Mr. Holding, who can be spoken to on Extension 329, has a list of students of the University who are able to provide primary and secondary students with professional tutorial services. Members of the University might be happy to avail themselves of this service, Mr. Holding said.

The main purpose of education at all levels should be the development of the individual's abilities and creativity to the fullest. In their motion to the SRC, the President, Mr. Holding, and the Media Officer, Mr. M. Mordue, asserted that the failure to decrease significant class sizes in government schools, meet remedial teaching needs and employ unemployed teachers was therefore an indictment of the Federal Government's educational funding policy.

According to Messrs Holding and Mordue, within tertiary institutions the cutbacks had led to:

- reduced allocations to capital projects,
- retrenchment of staff and the increasing use of non-tenured staff,
- an increase in staff/student ratios,
- a deterioration of library services,
- a reduced allocation for research, and
- a reduction in tutoring services provided for students.

The motion also argued that there was a desperate need for student allowances to be increased to allow students to cover their basic living costs and for the eligibility conditions for the allowances to be eased.

The SRC meeting agreed to endorse education, living costs and student allowances as the basis for an education campaign and decided to encourage debate and discussion on them during Second Term.
Next November the Institute of Industrial Economics will be holding a Conference at the University of Newcastle on Government Regulation of Industry.

Among those who will be delivering papers at the Conference are The Hon. Mr. Justice Kirby, Professors Brunt, Fisher, Hogan, Johns, Lindgren, Sharpe and Tisdell, Drs. Bell, Fels, Ng, Pengilly and Wilson and Messrs. Grenning, Hurford and Tregilgas. However, there is still room in the programme for a limited number of papers suitable for publication which have direct relevance to the subject of the Conference. It should be particularly noted that papers should be about regulation as such and not primarily about some problem which is, or might become, a subject for regulation. Papers offered at the Conference should be original and will be published in the Proceedings of the Conference. However, the Institute has no objection to them being also offered for publication elsewhere.

To keep the Conference within manageable proportions no more than 25 papers will be accepted and attendance will be limited to one hundred. Offers of papers must be made before the end of July. It is expected that a detailed programme and registration form will be available in mid-August.

Enquiries should be directed to the Acting Director, Institute of Industrial Economics, (Dr. C.J. Aislabie, extension 561).

Research Grants

The Radio Research Board has supported five staff members of the University with special research grants totalling $13,520.

Dr. P.A. McGovern, of the Department of Physics, has been awarded $5,700 in connection with a project entitled TEM Cell Development.

Dr. R.J. Evans and Dr. A. Cantoni, of the Department of Electrical Engineering, have received $2,500 each for research projects in connection with Switch Mode Battery Chargers With Very High Load Efficiency and Adaptive Array Processing respectively.

Dr. K.K. Saluja, of the Department of Electrical Engineering, is the recipient of $1,500 to carry out research into Transition Count Testing of Synchronous Sequential Machines.

Assoc. Professor G.C. Goodwin, of the Department of Electrical Engineering, has been awarded $1,320 in connection with a project, Design of Adaptive Digital Filters.

Dance company

Sydney's Kinetic Energy Dance Company will be appearing in the Union on Friday, June 18 at 1 pm.

SPORT

Squash Club practice sessions are being conducted in The Pavilion on Sunday mornings from 9 am to noon. Students members of staff and associates who are Club members can attend. The sessions are free.

Gymnastics Classes will be conducted for persons aged six to 16 in the Auchmuty Sports Centre, on Tuesdays from 4.30 pm to 6.30 pm, commencing on June 3. The classes have been arranged as a Community Project. Please telephone Jack Armstrong, University Activities Organiser, on Extension 469 if you would like further particulars.
Car’s marathon

It’s back to the workshop for the Faculty of Engineering’s economy car.

In the Mileage Marathon at Warwick Farm circuit on June 8, Newcastle, as the car is named, achieved 862 miles per gallon, a fuel consumption well below the mark reached by the winning vehicle.

The designers’ hopes of success were dampened by mechanical problems, but valuable experience was gained.

The three-wheeler, aluminium framed car was plagued with problems at Warwick Farm. It was necessary to replace the carburettor with the carburettor from Mr. H. Wilmott’s lawn mower because it leaked; there were also problems due to vibration.

Nonetheless, the Acting Dean of the Faculty of Engineering, Professor G. Jameson, described the car’s run as a pleasing first performance. The vehicle still had to be modified and “run-in”, he said. The competition at Warwick Farm had given the task-force that built the car confidence to keep working to improve appreciably the performance before entering next year’s Mileage Marathon.

Combustion course

Delegates came from as far as Whyalla, South Australia, and the Plane Creek Sugar Mill, Queensland, to attend the course in combustion conducted by the Department of Chemical Engineering from May 26 to 30.

Many local engineers also joined the course at a colloquium on combustion equipment on May 26.

The two principal themes of the course were the conversion of furnace from oil to coal and natural gas firing and the stable operation of coal burners.

Many local industries will shortly be converting to natural gas and industries in northern New South Wales and Queensland are interested in converting to coal, due to the cost of oil and the investment allowance on this conversion.

The course concentrated on giving the scientific basis for these conversions and the expected changes in performance of furnaces.

The colloquium included discussions on the possible technologies for the coal firing of ships. Stoker firing, used by several BHP ships to the middle sixties, was compared with the developing fluidized bed combustion. Several companies, including R.W. Miller and the Australian National Line, have placed tenders for coal fired vessels. It is expected that stoker fired would be offered and that initially vessels would carry enough coal for return journeys when on the international trips. Eventually it was expected that coal would be available at several international ports.

The course also covered furnace heat transfer, aerodynamic aspects of flames and furnaces, the principles of fluidized bed combustion and the control of combustion pollutants.

The course was arranged by Dr. T.F. Wall, the Lecturers included Professor I. McC. Stewart, Mr. L. Wiberley and Mr. T. Dixon of the Department, with Dr. R. Laveau and Dr. M. Smith of the CSIRO. Guest lecturers included representatives from Hudson and West Pty. Ltd., the Newcastle Gas Company, R.W. Miller Pty. Ltd., the State Electricity Commission of Victoria and Fowlerex Pty. Ltd.

Flying Grant

The Utah Foundation is supporting research into the instruction of commercial pilots. Dr. Ross Telfer, Senior Lecturer in Education at the University, has received a research grant of $1,000 from the Foundation. The grant is to enable an evaluative study to be made of an innovative programme for flight instructors. This programme has been developed in conjunction with the Nationwide Aviation Space Academy, Cessnock Airport, by three Lecturers in Education. Since late 1976, Professor John Biggs, Dr. Max Maddock and Dr. Telfer have been associated with an analysis of the processes of flight instruction and with distributed visit proposals which would make such a course a mandatory aspect of flight instructor preparation and qualification.

Explorers’ footsteps

Outback tour On Safari In the footsteps of the Explorers is being offered again this year by the Department of Community Programmes as an unorthodox educational coach tour.

The tour of 14 days’ duration, will take you into the wilds of Central Australia, country which proved so formidable to Oodnadatta Track, and wills and Edward John Eyre. The journals of these explorers and their maps and drawings will be studied.

The modern safari coach will depart from Newcastle early on August 23.

From Broken Hill the coach will visit Mildura, Charles Sturt, Burra, Outback Eye and the Depot Glen on Preservation Creek, where Sturt spent six months in 1845. Then on to visit Alice Springs, before crossing the Queensland border to Cooper’s Creek.
The tour will conclude at Newcastle on September 6.

Dr. John Turner, Mr. Don McNair and Mr. Boris Sokoloff will be in charge of the tour. The full cost of travel, tuition, food and accommodation in tents is $350 per person. The coach holds 40 people. An extra meeting will be held on August 2, 9 and 16 in Room V102 at 8 pm.

Career Exposition

Although the attendance of students at the University's First Career Exposition was disappointing, the Warden of Convocation, Mr. Brian Relf, believes that the aim and concept of the venture is a good one.

"The longest journeys start with just a single step", Mr. Relf told counsellors who went to the Great Hall on the evening of June 9 with the object of helping students of the University with their career problems. Because you are all professionals from vocational fields, you are much more useful to students than careers brochures", he said.

More than 80 people, many of whom are graduates of the University, attended the Standing Committee of Convocation and the Careers and Student Employment Office and manned tables to talk to students.

The consultants came from the following vocational fields: the Airways Industry, Accounting, Architecture, Biology, Chemical Engineering, Chemistry, Electrical Engineering, Geology, Industrial Relations, Law, Librarianship, Mathematics, Mechanical Engineering, The Media, Metallurgy, Physics, Psychology, Sociology and Teaching.

Instances of Departmental offerings were Engineering's economy car, mud brick-making in Architecture and Education's Curriculum Resources Centre.

As well as receiving briefings on admission to the University and tuition programmes and prospects in particular faculties, the students were offered guided tours of Departments, service units, laboratories, workshops, ZNUR-FM, and the Auchmuty Library and film screenings and demonstrations.

Many members of staff took the Year 12 students on tours and/or presented introductory lectures on courses provided by their Departments.

The estimated 1400 Year 12 school students visited the University on May 27.

The consensus of organisers' views was that the Schools Visit Day was very worthwhile as a direct means of communicating course information to prospective students.

Besides the main contingent of students, which attended from local high schools, small groups from Mauchope and Sydney made the trip to the University.

Schools Visit Day, an annual occasion, permits all interested final year school students to learn about University life. The total number of schools represented this year was 50.

Pig Industry Awards

The Pig Industry Research Committee (Commonwealth Department of Primary Industry) has advised that it intends offering a number of postgraduate awards for 1981, presumably for research study into some matter which is of importance to the pig industry. Conditions for these awards are the same as for Commonwealth Postgraduate Awards namely a living allowance of $4,200, dependent spouse $1,632, dependent child $390 per annum. There are various other allowances.

The closing date for applications is August 31, 1980. Application forms are available from the Secretary, Australian Pig Industry Research Committee, C/- Department of Primary Industry, Edmund Barton Building, Barton, ACT 2600.
New book

When Newcastle was settled in March, 1804, by convicts and soldiers under Lieutenant C.A. Menzies, the settlement's major purpose was the exploitation of coal, timber, salt and lime resources. Cedar was the most sought-after timber, particularly for use in house fittings.

The extraction of timber was carried out exclusively by convict parties who travelled up the rivers of the Hunter Valley by boat.

Construction of a salt pan in Newcastle began in 1804. It had been sent from England in a damaged state.

The systematic lime-burning to produce mortar for the Government's building programme in Sydney did not begin until 1808. Oyster shells, tremendous quantities of which existed around Newcastle, were gathered by convicts on the beach, apparently at Fullerton Cove, and transported to Newcastle where they were burnt in brick kilns.

Later, after the penal settlement had been transferred to Port Macquarie, the main industrial development occurred in coal-mining, but there were also activity in manufacturing, particularly in salt making, founding, textile manufacture and meat-canning.

All this interesting information, and a great deal more, can be found in "Manufacturing in Newcastle 1801 - 1900", a new book by Dr. J.W. Turner, Senior Lecturer in Community Programmes, just published by Newcastle City Council as its Newcastle History Monographs No.8. "Manufacturing in Newcastle 1801 - 1900 is the first of two Newcastle History Monographs to be derived from Dr. Turner's Ph.D. thesis, entitled Coal Mining and Manufacturing in Newcastle 1797 - 1900.

In the 140-page account of manufacturing in Newcastle in the 19th Century, Dr. Turner passes from manufacturing in the Newcastle convict settlement to manufacturing and smelting 1822 - 1852, when two noteworthy ventures were Dr. James Mitchell's Tweed Factory at Stockton and his Copper Smelting Works at Burwood Beach, south of Merewether.

Engineering-works, brick-works and potteries, ship-building yards, works for the manufacture of railway rolling stock and soap and candle works figure prominently in the chapter dealing with manufacturing in the second half of the last century, when other distinctive ventures were William Arnott's Factory for the manufacture of biscuits, bread and confectionery in Union Street and John and Joseph Wood's Castlemaine Brewery at Hamilton.

After 1860, Dr. Mitchell reopened his smelting works at Burwood Beach, the English and Australian Copper Company commenced smelting at Broadmeadow and the Warrarook Mining and Smelting Company began operations at Port Macquarie. Of the three copper smelters, the least successful, according to Dr. Turner, was the Burwood Works. Far more significant in terms of output was the Port Macquarie Works.

In 1896, the Sulphide Corporation bought an area between Cockle Creek and Cockle Bay to the Newcastle - Sydney Railway Line as the site of a large works to extract zinc from sulphide ore from Broken Hill, exploiting a process invented by E.A. Ashcroft.

Echoing several entrepreneurs of later times, the Chairman of the Sulphide Corporation said the reasons for choosing Newcastle included being situated on the sea, with good port and harbour facilities and having ample supplies of coal in the immediate vicinity.

By 1899, the Cockle Creek Works was smelting nearly 1,000 tons of ore per week and the total workforce had increased to 400.

In a critique of the Ashcroft process, which failed at Cockle Creek, Professor E.O. Hall, head of the Department of Metallurgy, pays tribute to the energy and enthusiasm of this early Australian engineer-chemist.

"Manufacturing in Newcastle 1801 - 1900 can be purchased from the University Co-operative Bookshop for $8.25."
June Senate

The Vice-Chancellor drew attention to the Federal Government's funding guide lines for the Education Commissions in 1981, announced recently by the Minister (Mr. Wal Fife). (At estimated December 1979 price-levels, the total provided by the Government for universities and colleges is $1,279.5 million. Recurrent funds for 1981, $1,196.8 million, are the same as for this year, but Capital and Equipment Funds have been reduced by $17.7 million.) The latter aspect was particularly noted by the Vice-Chancellor, who added that he had a transcript of the Minister's announcement and would be happy to show it to any interested members of the University.

Senate was told that the Department of History would create an annual Geoffrey Alan Cranfield Prize to keep up the memory of the late Professor Cranfield. Professor Michael Carter, Deputy Chairman of Senate, stated that Professor Cranfield had been a true servant of the University, which he had served in his own inimitable manner. Professor Cranfield would be remembered as a true scholar and the Department of History would be a memorial to him.

Professor Carter said he expected that members of Senate would be keen to be associated with the Geoffrey Alan Cranfield Memorial Prize. The award will go to the best History IV (Honours) student.

Members of the University can send donations to Professor J. Bach or Professor G. McMinn C/- the Department of History.

Cheques should be made out to the University of Newcastle (G.A. Cranfield) Prize Fund.

Following reports on the stages reached by the Working Groups undertaking a comprehensive review of the University's internal finances, Senate was advised that the Council would be asked to agree to the final report being freely circulated in the University. The Chairman of one of the two Working Parties said that his body was aiming to have its recommendations ready for the August Council.

Nyholm lecture

For the first time, the University has been selected as the venue for the Nyholm Youth Lecture. A memorial to the late Sir Ronald Nyholm, former Head of the Department of Chemistry at University College, London, the lecture seeks to elicit an interest in Chemistry among young people.

Dr. Dalway Swaine, Acting Officer-in-Charge of the CSIRO Fuel Geoscience Unit, North Ryde, is this year's Nyholm Lecturer. Dr. Swaine's research is in geochemistry, especially of trace elements in rocks, soils, coals, fly-ashes and related materials, and in environmental science. He is known internationally for his research and gives lectures frequently in Australia and overseas.

Dr. Swaine will present his lecture in Lecture Theatre E01 on June 20 at 4.30 pm. His lecture will deal with the Chemist and the Environment and he will argue that a proper perspective of the environment should be based on knowledge of the natural background and geochemical cycles.

The chemist has a prime role in obtaining factual information on the concentrations of elements, on their distribution and their migration, with the ultimate aim of understanding why changes occur. Dr. Swaine believes. He will present details of the movement of trace elements in water and the fate of trace elements in coal after combustion.

Sydney Trip — Tour of FORT DENISON and THE ROCKS

Saturday 5 July

Coach departs Uni Car Park No.2 at 7.30 a.m.

Tickets must be purchased in advance — $7 ($11 not included).

For booking and information: DEPT. HISTORY DEPARTMENT, UNIV.
Round Australia

The Department of Community Programs has given early notice of its intention to conduct a travelling seminar to acquaint people with some of Australia's major developmental projects.

Visits will be made to a brown coal mining and power generation site and an oil and natural gas field in Victoria, woodchipping, bauxite mining and alumina smelting activities in Western Australia, manganese mining, iron ore mining and the North-West shelf oil and gas operations in North Western Australia, the Ranger uranium ore mining project in the Northern Territory, and port facilities, alumina smelting, power generation and coal mining in Queensland.

At each project site, lectures will be given by company personnel and/or researchers from universities and government departments.

The anticipated all-inclusive fee is $1600.

Fulbright Award

Dr. T.F. Wall, of the Department of Chemical Engineering, will soon visit the Massachusetts Institute of Technology for six months as a Fulbright Scholar.

Dr. Wall will investigate the retention of sulphur during coal combustion, a problem related to the environment, which is sponsored by Exxon Corporation.

Dr. Wall expects Heinz Becker, a Ph.D. student, to join him at M.I.T. for a month or so. Mr. Becker is nearing the end of a project on the effect of coal ash on power station design, a programme which has been followed closely by researchers at M.I.T.

Dr. Wall also hopes to follow several projects of mutual interest to M.I.T. and the Department of Chemical Engineering on furnace modelling and coal chemistry.

Whilst away, Dr. Wall will visit several coal combustion test facilities in America and Europe. A National Coal Combustion Test Facility is likely to be constructed shortly adjacent to Vales Point power station.

Dr. Wall's group acted as consultants on the design of the furnaces for the facility and is expected to be associated with the facility.

Dr. Wall said that the extensive research into coal properties, combustion and conversion in the United States would not necessarily be translated directly to Australia. Australia had to evaluate these technologies for their coal and needs. He believed that this evaluation was best made by Australian scientists who were able to be directly involved with the American research.

Convocation AGM

Professor Brian Anderson, Professor of Electrical Engineering, is to be Convocation's annual general meeting speaker this year.

The annual general meeting of Convocation will be held in the Staff House at the University on June 26, at 8 p.m.

Back from China

A visit to China at the invitation of the Academia Sinca in Beijing (better known as Peking) ended recently for Dr. Daphne Keats and Professor John Keats of the Department of Psychology. They were attached to the Academy's Institute of Psychology for two months during a (by Newcastle standards) freezing winter. Professor R. Over, of La Trobe University, and the Keats' were the first official overseas guests of the Institute since 1965.

Dr. and Professor Keats worked with the Developmental Psychology Section of the Institute, which, they say is, at present making a determined effort to establish strong contacts with Australian universities. Their visit reciprocated a visit made by Chinese psychologists to the University of Newcastle in August, 1978.

During their attachment to the Institute Professor and Dr. Keats trained research staff in testing and training methods relating to cognitive development of young children. They collected some data for their research work and made arrangements for co-operative projects to be continued this year and next year.

Prior to their arrival in China translation of some of their research publications had been achieved and this material formed the basis of some of their lectures. The two Newcastle University representatives presented a lecture series to academic and professional psychologists in Peking, the proceedings of which will be published in Chinese. Further, Professor and Dr. Keats conducted a two-week lecture tour of China with a leading member of the Developmental Psychology Section of the Institute, accompanied them on the tour.

Professor and Dr. Keats offered these other comments on their visit to China:

The Chinese have embarked on a plan to catch up on the West, which began soon after the Cultural Revolution. They are importing a great deal of journals from overseas universities, Psychology having been accepted as important in the development of modern China.

The great enthusiasm displayed by the Chinese and their willingness to work hard made their visit rewarding and enjoyable.

Discussions were held on the possibility of members of the Institute of Psychology's staff visiting the University of Newcastle next year and the Keats' are hopeful that this plan will be implemented.

Professor John Keats and Dr. Daphne Keats
Salary Increases

Following arbitration proceedings, Award increases have now been granted to the following categories of staff:

(a) Administrative and Clerical staff and Cartographers and Cartographic Draughtsmen.

(b) Stenographers, Machine Operators and Office Assistant/Typists.

The increases for the categories in (a) and (b) are 4 percent from February 2, 1980. In addition the University has agreed to extend retrospectivity back to the first pay period to commence after December 7, 1979.

(c) General staff in the following categories:

General Laboratory Assistants, Telephoneists, Photographers, Printery Staff, Clerk of Works, Technical Officers (Engineering), Buildings Supervisor, Maintenance Supervisor, Custodians, Attendants.

Increases for categories in (c) range from $11 per week to $12.50 per week, and were awarded from February 2, 1980. The University has agreed to extend the retrospectivity back to December 7, 1979.

The increases for the administrative and clerical staff are of an interim nature as are those for the “keyboard” staff. It is anticipated that additional arbitration proceedings in respect of the latter group will be concluded by the end of June, 1980.

At this stage, it is hoped that the new rates will be implemented and the retrospectivity paid to the majority of staff (if not all) on the pay due on June 19. If any members of staff have any queries regarding these matters, their new rates of pay etc. it is suggested that they contact Mr. M.J. Covill on Extension 328 or Mr. R.J. Goodbody on Extension 213.

PERSONNEL DEPARTMENT

STAFF

Appointments

Mrs. Joan M. Allridge, Stenographer Department of Economics.

Miss Julie A. Davidson, Junior Stenographer, Secretary’s Division.

Mrs. Jill H. Disley, Office Assistant/Typist, Edwards Hall.

Resignations

Mrs. Jennifer Brown, Stenographer, Personnel Department.

Dr. Jennifer J. Gordon, Fellow, Community Medicine.

Mr. David L. Heggart, Clerk, Accounts Branch.

Advertisements

Lot 1 TO LET

New two bedroom luxurious unit, Adamstown Heights. Suit quiet couple. $80 per week. Please telephone 43 7189 or 43 0322

FOR SALE

IMPERIAL 200 PORTABLE TYPEWRITER:
As new. $60 or nearest offer.
Please telephone 57 2927

MORRIS 1500 - 1971: four cylinder, economical on gas, good running condition, long registration, stereo, radio, good tyres. Cheap offer $1,200 or nearest offer.
Please contact Mani, extension 634 during working hours or extension 207, Mechanical Engineering.

ALFA ROMEO 1750 GTV: Mechanically sound, body and interior need attention, registered until October 1980. $2,000. Please telephone 43 3959.

1971 VW 1600 STATION WAGON: Repco reconditioned engine, good tyres and registration. Available near the end of July, $1500. Please contact Britz, Mechanical Engineering, extension 635.

POSITIONS WANTED - TYPING

No job too large or small. First rate work. Please telephone Sandra 53 2011.

FOUR DOUBLE BED ELECTRIC BLANKETS: dual control - $20 each or nearest offer.
ONE MAX FOR MEN HAIRDRYER: $10 or nearest offer.
ONE GE ELECTRIC CURLING SET: $15 or nearest offer. Please telephone Extension 797 or 49 8017.

ACCOMMODATION WANTED

Furnished home to rent, four to six months (extension negotiable), by Professor with two children taking up duties on September 1, 1980. Please send all particulars to Mrs. C. Ogle, Department of Philosophy.

ACCOMMODATION (with cooking facilities) WANTED

Facilities for one is needed for a University Lecturer from the People's Republic of China for about one year. Please telephone Extension 606 or 55 8873.

POSITIONS WANTED - TUTORING

If your child needs help with English or reading, please telephone 43 7189 or 43 0322 for assistance, by highly qualified and experienced instructors.

POSITIONS WANTED - TYPING

Suzanne Stanley would like to type theses, reports, occasional papers etc. Please contact 33 Stuart Street, Kotara South.
Diary of Events

FRIDAY, JUNE 13
11 am
Workshop - Department of Commerce. Ian Smith, of the University of Sydney, will speak on Foundations of the Responsibilities of an Auditor - A consideration of the foundations of the responsibilities of an auditor appointed under the Companies Act, 1961. Room S113 (Social Sciences Building).

noon
Seminar - Department of Mathematics. Emeritus Professor H.O. Lancaster, of the University of Sydney, will speak on Geographical Pathology. Room V107 (Mathematics Building).

FRIDAY, JUNE 13
1 pm to 2 pm
Kinetic Energy Dance Co. Dining Hall of the Union. Vera and Gary Aspyre, folksingers from England, Stan's Bar.

8 pm
FRIDAY, JUNE 20
noon
Department of Mathematics Seminar. Dr. L. Caccetta, from Murdoch University, will speak on Graph Theory Algorithms in Room VI07 (Mathematics Building).

8 pm
Ralph McTell, modern vocalist, in the Griffith Duncan Theatre, Newcastle CAE.

SUNDAY, JUNE 22
8 pm

TUESDAY, JUNE 17
11 am
Workshop - Department of Commerce. Mr. Roger Hussey, Research Director, Employee Communication Studies, the Industrial Relations Annexe, Oxford University, will speak on Employee Reporting. He will report on the findings of recent research conducted in Australia by Mr. R. Hussey and Mr. R.J. Craig into the Employee Reporting practices of companies; trade union and employee attitudes to Employee Reports, and developments in the audio visual communication of information to employees. Room 3203 (Social Sciences Building).

WEDNESDAY, JUNE 18
9.15 am
Department of Mechanical Engineering Seminar. Dr. A. Lozzi, of the University of Sydney will speak on Research on the Lateral Impact on a Motor Car with Roadside Utility Poles.

6 pm
Department of Mechanical Engineering Seminar. Dr. A.E. Perry, of the University of Melbourne will speak on The Fabric of Turbulence.

THURSDAY, JUNE 19
3 pm to 4 pm

WEDNESDAY, JUNE 25
9.15 am
Department of Mechanical Engineering Seminar. Dr. A.E. Perry, of the University of Melbourne will speak on The Fabric of Turbulence.

6 pm
FILM SOCIETY - The Duelists (R. Scott, UK 1977). Ridley Scott's first film, adapted from a short story by Conrad (The Duel). It describes how two cavalry officers are driven into a duel as the result of an imagined insult. B01.

Tuesday, June 17
6 pm
Night of Women's films in the Common Room, Union. Admission - 50 cents.

FRIDAY, JUNE 27
8 pm
Dance presented by the Women's Collective with two women's bands, Hen's Teeth and Stray Dogs. Dining Hall.

SUNDAY, JUNE 29
8 pm
FILM SOCIETY - The Duelists (R. Scott, UK 1977). Ridley Scott's first film, adapted from a short story by Conrad (The Duel). It describes how two cavalry officers are driven into a duel as the result of an imagined insult. B01.