Senator's Visit

Senator Susan Ryan, the new Minister for Education and Youth Affairs, will speak at the University on June 29.

Senator Ryan has accepted an invitation to be the guest speaker at Convocation's annual general meeting in the Great Hall that night. Her topic is expected to be the tertiary educational objectives held by the new ALP Government.

A member of Cabinet, Senator Ryan is the only woman in the current Ministry, and is also Minister Assisting the Prime Minister in Women's Affairs.

She was first elected to Parliament in 1975 as one of the Australian Capital Territory's first two Senators.

Senator Ryan, 40, holds BA and MA degrees and is a former schoolteacher and tutor at Canberra College of Advanced Education. She was national executive officer for the Australian Council of State School Organisations from 1973 until 1975, education officer in the secretariat for International Women's Year in 1975, and a founding member of the Women's Electoral Lobby.

All are welcome to hear Senator Ryan's address.

EQUAL OPPORTUNITY CO-ORDINATOR

At its April meeting, the Council of the University accepted in principle the notion of a full-time Equal Opportunity Co-ordinator, but was unable to make funds available for such an appointment at the present time. Instead, the Vice-Chancellor was requested to consult with the Chairperson of the Advisory Committee, with a view to designating an existing member of staff as Equal Opportunity Co-ordinator.

Various aspects such as the desirable qualifications and experience of the Co-ordinator and other arrangements have now been discussed and the University wishes to proceed to designate an officer as Co-ordinator for an initial period of 12 months. Further details are available from the Vice-Principal, Professor K.R. Dutton, to whom the Co-ordinator will be responsible, or from Heads of Departments.

It is proposed that the Selection Committee will meet as soon as possible and expressions of interest should thus be forwarded to the Vice-Principal by June 24, 1983.

THE VICE-CHANCELLOR'S
SECOND TERM STAFF MEETING
will be held in the
DRAMA THEATRE
on
TUESDAY, JUNE 21, 1983
at
1.05 pm
(The Third Term Staff Meeting will be held on October 4.)
Dear Sir,

RE: "YOU CAN STAY WARM!"

The University Planner, Mr. Morris, is to be congratulated for implementing the proposal to de-rate bar radiators from 1000W to 750W. Although the projected saving of $6,000 per annum is small compared with present annual electricity costs (ca. $400,000), it is nonetheless a saving.

However, Mr. Morris does not go far enough. He should ban those hungry little electricity munchers all together. Pro rate calculations suggest a saving of about $24,000 per annum. This figure is close to suggested savings of $30,000 - $50,000 per annum made by myself in a submission to the Positive Initiatives Committee in July, 1981.

Of course, having done away with our bar radiators and their escalating recurrent operating costs, we are left with the problem of uncomfortably cool personnel (at least, in the winter; the heat of the summer is another matter ... more later). I suggest that the proposed modifications be assessed for optimal location of insulation, glazing, and where necessary active heat redistributing systems. The necessary knowledge and skills for these tasks are already available in relevant personnel in Architecture and Engineering.

Of course, such a program of building modification requires financial commitment from the University. Although nobody has suggested such a program, it is likely that costs in the order of $10 million could be incurred for each building. Outlay is anathema to University administrations especially in times of economic difficulty, but it should be emphasised that these would be ONCE-ONLY COSTS, and should be compared with the INCREASING RECURRENT COSTS associated with electrical heating devices. In order to defray costs, it may be possible to obtain extra-mural financial support (e.g. National Energy Research, Development and Demonstration Council grants). Local materials suppliers might provide some materials cheaply if their participation in an energy conservation project was made known.

If the University administration is serious about its efforts to reduce its electricity bill, it must carefully examine the possibility of investing in minor alterations to existing buildings. Additional benefits will include a more temperate working environment, and increased community prestige from involvement in energy conservation projects.

Dr. D.R. Mason,
Geology Department.

I have been asked to write to you on behalf of AWEUN (Association of Women Employees of the University of Newcastle).

Our Association has received a number of complaints regarding the photograph on page 7 of the Vol. 9 No. 8 issue of University NEWS, entitled "YOU CAN STAY WARM!". The essence of the complaints was that this type of photograph is inappropriate to both the article and the working conditions of women on this campus.

It is obviously a reprint of sexist advertising and as such has no place in a publication such as University NEWS.

It has also been pointed out to us that the use of such material could be reported to the Anti-Discrimination Board.

Joy Hoestl,
President, AWEUN.

Dear Sir,

It was announced in the last University NEWS that all radiators will have new elements of lower wattage installed to save power.

It seems to me that many people use radiators as room heaters rather than as personal heaters. In either case are they particularly effective. Reducing the wattage just means that the radiator will have to be on longer to achieve the same temperature. I therefore doubt that any real saving will be achieved if the cost of new elements and labour is counted.

I also wonder about the safety aspects when it is suggested that the radiators be replaced more appropriately to achieve the same result. I assume that this means placing them closer to the person and their furniture, papers, etc.

This and a number of other actions of the Property Division strike me as being petty in the extreme. It is particularly inappropriate when many thousands of dollars are spent on tasks which seem to do little to justify their cost, or which correct mistakes due to bad planning.

David Morrison,
Computing Centre.
Dear Sir,

I was shocked and awed to uncover, on page 7 of your issue last, that photograph of a scarcely-vested Miss X, complete with tropical decor at an unknown terminal.

Now sir. Is Unil News a news broadsheet, or a new broadsheet? Is the young lady advertising radiators, terminals, pineapples, or herself? Can I have her telephone number?

Greg Martin, Education Department.

Dear Sir,

That is what I call devilish: publishing a photo of a beautiful scantily-clad person of the female gender in the apparently unrelated context of reducing the electricity consumption of radiators. I am not fooled.

The idea is obviously to conserve energy further by generating as much heat as possible within the University. I know of one woman at least who got extremely heated. And a colleague of mine also got hot, or so his breathless secretary tells me.

This is only the start. The next stage will be to issue to every member of staff a personal photo which undercover research has already shown will promote each individual's heated response. The term "personal heaters" will take on a new meaning.

I understand the research proves photos of Mick Carter and Ron Laura are particularly effective although for differing reasons.

They can forget their plans as far as I am concerned. I do not need a photo. I can go to meetings of the Senate.

Lionel Farrell, Secretary's Division.

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**INAUGURAL LECTURE**

Professor John Boulton will deliver his Convocation inaugural lecture in the Medical Sciences Lecture Theatre on Friday, June 24, at 5.30 pm.

Professor Boulton took up his appointment to the Foundation Chair of Paediatrics in November, 1980.

Before coming to the Faculty of Medicine he was a Senior Lecturer in Paediatrics at the University of Adelaide.

Dr. Boulton was educated at Edinburgh University, obtaining his B.Sc. (Hon.) degree in 1967 and his M.B., Ch.B. degrees in 1969. In 1973 he obtained his Membership of the Royal College of Physicians, Australia and his Fellowship of the same college in 1977. He was awarded the degree of Doctor of Medicine from Edinburgh University in 1980.

After his surgical residency at Edinburgh, he did his paediatric residency at the Princess Margaret Hospital for Children in Perth, Western Australia (1970-71), followed by a year as neonatal registrar at King Edward Memorial Hospital for Women in Perth. He then moved to Melbourne and served there in various capacities until January, 1975. He took up his appointment at the University of Adelaide in 1975.

He has visited paediatric centres in Britain and Scandinavia and spent a year's study leave in the University of Oslo in 1979-80.

Professor Boulton's inaugural lecture topic will be Paediatrics at the Crossroads: Dilemmas in Child Health Care For the Eighties.

All are welcome to attend the lecture and meet Professor Boulton at a gathering organised by Convocation afterwards.

The University Inaugural Lecture Series is presented by Convocation as mainly University and Convocation occasions at which new Professors introduce themselves to colleagues and graduates and report on developments in their disciplines.

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**REVUE**

It is a far cry from Newcastle University College's "Tighe's Hill days", but one of the College's feats from that time is to be resuscitated.

The stage revues which were presented by students at Tighe's Hill probably had no equal as far as saturising Newcastle and its institutions was concerned.

Marilyn Hey, the Activities Organiser in the Union, has taken up suggestions and called auditions for casting a new University Revue.

The auditions will be held in the Tanner Room in the Union on June 14 and 15 between 11 am and 1,30 pm and 6 and 7,30 pm. People with talent to use in the revue (scripts, songs, dancing and singing ability, etc.) should go along.

Target dates for the stage presentations themselves are July 19 to 21 and 26 to 28, with the Southern Cross Lounge providing the theatre.

Sue Page, a student in the Faculty of Medicine, will direct the revue and Marilyn Hey will be Production Manager. Among the others who have agreed to take part are a number of Drama students.
On June 4, the Newcastle community heard the Consul-General of Cuba, Senor E Ilseo Zamora Hernandez, answer questions about schooling in Cuba. The focal point of the meeting, held in Lecture Theatre B01 at the University, was the screening of The New School, a full-length documentary film about Cuban schools. Senor Zamora’s wife, Idania, also attended.

Attendance figures surpassed even the most optimistic expectations. Although the meeting began at 2 pm, people were still asking questions until 5:30 pm, when Senor Zamora had to leave.

The film was designed to explain how Cuba, after successful recycling of “intellectual resources” in the community, had managed to maintain the impetus for learning.

Initial teacher shortages in Cuba were overcome by the ad hoc application of two complementary principles: He who does not know must learn, but he who knows must teach — and each one teach one.

This, of course, all took place in the context of the high ideals stemming from loyalty to the revolution.

The film was made in 1973 and already the program was proved so successful that thousands of students were completing primary school and moving on to understaffed secondary schools. Appeal after appeal was made for people to stop school at Year X and to train as teachers in an “apprentice-style” program, rather like the pupil-teacher system which used to apply here and in England. Even this was not sufficient, so some of the more able Year X students, who originally had no intention of taking up teaching as a career, were co-opted into the program “for the good of the revolution.” The film showed interviews with some of these.

Although the film dealt specifically with the triumphs of education in the country areas, Senor Zamora pointed out that a roughly similar set-up applied in the urban context, with work in local factories replacing agriculture as the 50 per cent productive labour component of secondary education.

The country schools shown each took all of the secondary school children from a particular rural area. The children boarded there all week, returning home on the weekends.

Much of the footage of the film was an analysis of the Cuban system’s success in motivating rural children to achieve academically.

Three factors are particularly relevant to this: study combined with practical work, “criticism and self-criticism”, and “amulation”. The last is an expression often heard in Cuban schools. It refers to a process of friendly competition — not between individual pupils so much as between schools, between districts and between provinces and based on performance on regularly administered tests. It is intended to stimulate children to study more conscientiously.

In the boarding situation this is facilitated by two hours of compulsory supervised study each weekday evening.

The film was made in 1973.
proving so successful that a problem of insufficient university places was foreseen. A strenuous program of rapidly increasing numbers of university places was set in motion. Now there are 23 universities in Cuba, as opposed to three before the Revolution.

Senior Zamora holds degrees in Politics and Law from the University of Havana. He worked in the United Nations in New York, had three tours of duty in Canada and represented Cuba in a variety of diplomatic capacities before taking up his present appointment in Australia.

Idania, his wife, is also involved in consular duties and is completing a degree in Social Psychology from the University of Havana by correspondence. She is active in the Cuban Federation of Women, a body well-known in Cuba for its non-compromising stand in pushing for progressive social legislation in the area of women's rights.

Theo MacDonald

**SPORT**

Sunday, June 5, was the date of the annual Newcastle marathon and half-marathon.

A 7 am start saw about 60 competitors run off into weather conditions ranging from heavy rain to brilliant sunshine but generally accompanied by strong winds. Despite these conditions and a demanding course, all University runners performed creditably.

In the half-marathon Terry Well came second in a very fast 1:15:52. David Firman, in his first attempt at this distance, ran an excellent 1:22:52 for fifth position, while John Lambert came tenth in 1:37:17 — an auspicious run, coming as it does, just a week before the Australian Marathon in Sydney, in which John is competing.

In the full marathon, only Paul Buckley and Tony Gutmann represented the University. Both claimed that they weren't racing but were just out for a jog. Paul must have become bored with jogging, for he ended up running 2:52:14 to place third, while Tony remained true to his stated intention and came eleventh in a leisurely 3:41.

A visitor to the Department of Mathematics, Statistics and Computer Science, Robert Brown, of the University of Waterloo, placed second in the marathon in the excellent time of 2:46:25.

The annual Students -vs- Staff golf match scheduled to be played on June 6, has been postponed until later in Second Term. The actual date will be promulgated in due course.

In the first week of the May vacation the University's Men's and Women's Hockey teams competed in the Inter-Varsity contest at the University of Western Australia. The Women's team, one of the 13 competitors, finished in sixth place despite being without a recognised goalkeeper. The Men's team recorded their equal-best result, finishing fourth from 12 teams. The Men's play-off was held on the Astroturf Stadium in Perth, one of only two such surfaces in Australia.

Off the field, both teams finished "on top", further enhancing their already immaculate reputations.

The University's Rugby League Club competed in the IV contest at Macquarie University between May 16 and 20. Playing against Macquarie, Newcastle won 24 to 16, even though they were able to field only 11 players. Newcastle's other game, against James Cook University, resulted in Newcastle losing 10 to 20.

Sydney won the IV Final by beating James Cook.

The Newcastle side contributed generously to the social side of IV. This may have proved their nemesis and a major contribution to the admitted poor showing against James Cook University.

On May 15, members of the University's Baseball Club set out on their inaugural inter-university. They contested five arduous days and nights both on and off the field.

Members of the team conducted themselves commendably over the whole week, taking part in all activities to the best of their abilities. The competition was fierce on the field and friendly off the field. Newcastle proved to be something of a surprise packet on the field, rubbing shoulders with some of the more experienced counterparts.

Six teams contested the baseball competition, whilst four teams entered the softball. Newcastle reached the play-offs for third and fourth and were spirited enough to hold the University of New South Wales to 5 to 5.

Deakin University won the competition from Melbourne in a keenly-contested final. Newcastle beat the likes of Monash University and Sydney on their way to equal-third position.

On the personal level, two notable achievements must be highlighted, Paul Garaty (for his fine pitching and batting efforts) and Randall Robertson (for his outstanding outfielding and batting) were chosen in the all-Australian Inter-varsity team. Performances like these give Baseball a strong basis from which to launch into the future.

On a more lighthearted note five of our team members were selected in the all-Australian "Animals" side for their various antics throughout the week.

Overall it was a great team performance and the impact that Newcastle made during the week did nothing but foster good relations between universities for the future.
Mr. Kevin McDonald, a member of Newcastle CAE's staff, won the Newcastle Zonta Award for having made the greatest contribution to the "greening of the Hunter".

Mr. McDonald is Chairman of the Hunter Regional Committee of the Year of the Tree and President of the State Executive of the Association for Environmental Education. He was presented with his award by the Lord Mayor, Alderman J. Cummings, at a function at the University.

The Zonta Club of Newcastle, a club for business and professional women, makes an award every year.

Mr. McDonald, who was editor of the Hunter Natural History journal from 1969 until 1978, said he was pleased to win the award.

He would donate the $1,000 prize money to the Association for Environmental Education to assist it in its work.

Responsibilities

An opportunity to study Christian Lifestyle and Relationship Responsibilities will be offered by the Chaplaincy Service in the form of weekly discussions spread over a month.

The aim is to reflect on attitudes behind World Vision's 40-hour Famine from June 17 to 19.

The programme consists of the following studies:

THURSDAYS

June 16, Awareness!
June 23, Voluntary Poverty?
June 30, Motives and Motivation.
July 7, Commitment and Credibility.

The discussions will be held at 1 pm in the Chaplaincy Room, T45 (opposite the Mathematics Building).

Enquiries should be directed to Rev. Joy Bartholomew, Presbyterian Chaplain, 55 9132.

Greening

Union News

Mr. Terry Slevin, President of the Board of Management of the Union, has expressed his Board's great concern at the scale of losses occurring in the Union.

The Board received a report on First Term losses of glasses, cups, saucers, trays, knives and forks and damage caused to toilets, showcases and vending machines.

The total cost of the losses and the damage was $1,107.54.

"It is our Union and we are the ones who have to bear the cost of replacement through fees and prices."

"If you are tempted to pinch-pilfer-purloin, think of who you are ripping off -- your fellow students", Mr. Slevin said.

The Vice-Chancellor, presenting the medal to Dr. Dawson, with Professor Jean-Claude Redonnet.

Prestigious Award

Dr. Brett Dawson, Head of the French Section in the Department of Modern Languages, has been awarded a Jean Giraudoux Centenary Medal.

The medals have been struck by the Jean Giraudoux Society and have been awarded to Institutions, cities, theatres and writers which made a particularly outstanding contribution to the activities associated with Giraudoux's Centenary last year.

Following a request from Monsieur Henri Sauguet, President of the Jean Giraudoux Society and a member of the French Academy, the medal was presented by the Vice-Chancellor, Professor Don George, to Dr. Dawson.

Applications for permission to conduct stalls in the courtyard of the Union on Market Day, June 22, from 10 am until 6 pm should be submitted to Marilyn Hay, the Activities Officer. A charge of $5 a stall will be made.

The position of Activities Officer was upgraded to a full-time position, taking effect on June 1.

The Board approved a proposal that it and the SRC jointly support the University's stereo radio station, 2NUR-FM, with a special grant of $1,200.
Canadian Visitor on Campus

A new face in the Department of Economics for at least the next four weeks will be that of Professor Bruce Forster, who will be working as the Jayes/Qantas Visiting Lecturer.

Professor Bruce Forster is from the College of Social Science, Department of Economics, University of Guelph, Ontario, Canada. His main teaching interests are in the areas of Environmental and Natural Resource Economics, Mathematical Economics and Economic Theory.

Professor Forster is a graduate of the University of Guelph and holds a Ph.D. in the University of Guelph Faculty Association and Vice-President of the University of Guelph Faculty Club.

Professor Forster will be giving a public lecture, some departmental seminars and a few lectures to undergraduates while he is at the University.

He will be accompanied to Australia by his wife and two children.

Review

The Libation Bearers (Drama Studio June 8-11, 15-18, 8.15 pm, Matinee June 19, 5 pm.

by: D.H. Craig

The Drama Department is currently presenting a production of The Libation Bearers, the middle play in Aeschylus's Orestes trilogy. In the Drama Studio, Michael Evans has prepared a new translation and is the Director; the music is by Jennifer Evans.

At the beginning of the play, the issues seem to be straightforward. Agamemnon's death at the hands of his wife Clytemnestra and her lover Aigisthos must be avenged by his children, Orestes and Electra.

A pure, intoxicating lust for a righteous revenge filled the hall, evoked first by Electra (Dimitry Rattos), and then by Orestes (Justin Collins).

These ill-treated offspring of the house of Atreus were superb in their injured merit and noble indignation: Elektra fervent and resolute, Orestes princely even in a cloak that had obviously started life as a blanket, his voice pleasantly ready, and managing an alegiac dying fall in his speeches that brought to mind that Hamlet, too, was burdened with the duty of revenging a father. The only blot on these early scenes was the audience's anxiety that Elektra's offered libation might go all over the Drama Studio floor. Fortunately, the problem had been anticipated and a hole in the cunningly designed burial mound absorbed the liquid.

The clear-cut drama of the early section is not really the focus of the play. The action may take place between the present protagonists, but its significance is to be measured by a wider audience, constantly addressed by the actors, of the gods, the dead Agamemnon and Orestes' future persecutors. The killings take place off stage; in almost perfunctory fashion; in this production Clytemnestra (Catherine Westbury) goes a little too tamely to her death, followed almost lightly by Aigisthos (Bruce Copping). As soon as the deed is done, it is seen to be not a resolution but just one more step in an endless cycle of revenge, finely imaged here by a vast green velvet serpent with its tail in its mouth.

In such a widening circle of significance, a great deal depends on the chorus of eight women slaves, who must weave around the single action of the play a thick texture of meanings. The choreographer, Lynne Lawson, has devised for them a number of elaborate routines of stylised movement. The chorus carries them out with great dedication. For this observer, however, the movements came to seem mannered and done for the sake of novelty alone. The variations in their lines -- accompanied, unaccompanied, sung and declaimed, in and out of chorus -- became wearling, the voices a little too insistent.

The Libation Bearers ends with a new chain of circumstances unleashed, another phase of the curse of the house of Atreus begun. When will it end? I chant the chorus mournfully; the answer, as far as the trilogy goes, is the close of the last play, The Eumenides. The audience of The Libation Bearers may well feel it deserves to experience the catharsis of that next play in Newcastle before it is too long.

New Course

The discovery early last month of a new sub-atomic particle prompted Professor Colin Key, of the Physics Department, to offer a new WEA course, New Wonders Great and Small in Astronomy and Microphysics. The course of eight sessions commences on June
Mapping, and obtaining a better understanding of, the depositional environments of the Newcastle Region’s coal measures have important economic implications, according to a geologist who was awarded a Ph.D. degree by the University.

Dr. P.R. Warbrooke, who is employed by the BHP Co. Ltd. as a coal geologist in Newcastle but has also spent some time in coal, iron ore, base metal and uranium projects interstate, said the research would provide targets for further exploration and cut costs by improving geological prediction.

Dr. Warbrooke’s Ph.D. thesis was a study of the depositional processes responsible for a thin, but economically significant, section of coal-bearing sedimentary strata in the coal measure sequences that outcrop in the Newcastle Region. He placed it in context with the regional sedimentation patterns and tectonism.

Coal has been mined in the study section for over 180 years he says. Today the section still supplies large tonnages of coking and energy coal for both the domestic and export markets. During the period of mining much data was gathered, but never fully interpreted. Nor had a co-ordinated attempt been made to apply modern geological techniques. A multifaceted approach to the elucidation of the depositional environments was adopted, including investigations into the stratigraphy, sedimentology, palaeocurrent variation, palaeontology, coal petrology and geochemistry.

Dr. Warbrooke says sediments were derived from a volcanic mountain region located to the north and north-east and deposited at the northern edge of a basin developing in the Newcastle Region.

"The initial depositions in the study section represent a coastal environment, with beaches and lagoons separating the sea from the coastal coal forming swamps. As sediment supply pushed the coastline to the south and large river systems flowing through swampy coal forming lowlands became established. Finally, near the top of the section extensive alluvial fans developed over part of the area. The sediments are characterised by the large proportion of coarse clastic detritus and volcanic material in the section indicating a very active depositional environment."

Because of the active environment, he says, coal seams are subject to complex splitting and deterioration while the interseam sediments show rapid lateral changes.

Mrs. Nancy Fraser Wallace graduated on April 30 with a degree of Master of Psychology (Clinical). Her research on concussive head injury was important in view of the increasing number of rehabilitees from industrial and traffic accidents.

Mrs. Wallace’s work was designed to identify physical correlates of the frequently vague and indefinite symptoms which persist for varying lengths of time after concussive head injury. These may include headaches, dizziness, hypersensitivity to light and sound, difficulty in concentration, subjective memory impairment, anxiety and irritability. They may be present all or in part, and vary in severity and duration.

The cause of the symptoms has long been the subject of dispute. There are two main contending schools of thought, one arguing that the symptoms are, with few exceptions, psychological in origin, and the other which argues for a physical basis for the symptoms.

Because the symptoms are not usually substantiated by medical diagnostics, the patient’s feelings of anxiety and inefficiency are often increased. In addition, some employers and insurance companies maintain that the individual has what is commonly called a “compensation neurosis”: That is, the symptoms are contrived, consciously or unconsciously, and will disappear when the Court case has been heard.

Thus, the aim of the work was to extend and enrich objective assessment procedures for the post-concussive conditions. This was done partly by means of a New Zealand mental arithmetic test of information processing (the PASAT) reported in the literature as specifically assessing certain aspects of cognitive functioning, and differentiating between concussed and non-concussed people. In addition, electrical brain activity was measured both at rest and while engaged in the arithmetical task, using a long-established measure of attention.

These measures effectively distinguished between the post-concussive group and both healthy uninjured control subjects and a group of people who had suffered injuries excluding head injuries.
SE Asia

Newcastle Group of the Australian Institute of International Affairs is offering a talk on South East Asia as part of its annual general meeting in the Staff House on June 24 at 7.45 pm.

Dr. J.R. Angel, who will deliver the talk, entitled "Independence and Alliance: a Developing Trend in Our Relations with Southeast Asia," is not only an authority on this region but past-president of the New South Wales Branch of the Institute. He served as a Colombo Plan Officer in Malaysia and then became a Senior Lecturer in History at Sydney.

Academy Award

Dr. Helen Caldicott's film, If You Love This Planet, which won an Academy Award, is to be screened at the University.

COUNSELLING

Do you tend to undervalue yourself? Can you increase your reading speed? How can you benefit from meditation? What can you do about your study methods?

Professional advisers from the University Counselling Service will hold groups and courses in this term. Members of the University can have these questions answered.

The details are:

Building Your Own Self Esteem, presented by Peter Bamford, preliminary meeting to arrange a suitable time for the course was held on June 8.

Efficient Reading, conducted by Pat Loftus, Mondays 1 to 3 pm for six weeks commencing June 20, Mathematics Lecture Theatre (V01).

Meditation, presented by Bruce Furner, preliminary meeting to arrange a suitable time will be held in the Counselling Service Theatre on June 16 at 1 pm.

Study Skills, conducted by Pat Loftus. A preliminary meeting to arrange a suitable time will be held in the Counselling Service Theatre on June 21 at 1 pm.

Study Skills for Overseas Students, conducted by Peter Bamford, a preliminary meeting to arrange a suitable time will be held in the Counselling Service Theatre on June 14 at 1 pm.

Staff Bible Study

Reverend David Jones will be the speaker at the Staff Bible Study in Room 5113, Social Sciences Building on June 15 at 1 pm.

Rev. Jones was instrumental in setting up the Charlestown Youth Support Through Employment Motivation under the auspices of the Community Youth Support Scheme. The group is currently providing vocational training and encouragement to many unemployed young people in Newcastle.

He will speak on the topic, The New Testament and Unemployment.

Further details are available from Ron Gibbins at Extension 693.
**ESSO employment**

On June 20 two Senior Engineers from the Production Department, ESSO Australia Ltd., will visit the University with a view to recruiting final year undergraduates or postgraduate students to start employment in 1984.

Each year ESSO's Production Department recruits a number of graduates from all branches of Engineering to work either in the main operations centre at Sale in Victoria or with some technical groups located in Sydney.

Engineering responsibilities in the Production Department are varied and include:

- planning and economic evaluation of new ventures and expansions or modifications to existing production systems;
- design and construction of offshore platforms, pipelines and processing plants;
- surveillance and evaluation of operations involving the production and processing of oil and gas;
- surveillance of drilling activities including preparation of the drilling plans and follow-up of the drilling operations for both wildcat exploration and development wells;
- evaluation of oil and gas reservoirs, including the development of mathematical models enabling the recovery of oil and gas to be maximised.

Since the Property Division embarked on an energy conservation programme early in 1979, a 37 per cent reduction in energy consumption has been achieved, with a corresponding saving in energy costs of $576,000.

The graph depicts the effects of the energy conservation measures, including the savings achieved, and the increases in energy cost.

The Assistant Planner, Mr. M.E. Edmonds, visited several universities in the United States in November 1982, and is confident that as a result of the visit the University can achieve further reductions in energy consumption.

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**Coal Technology Course**

A coal technology course was conducted by the Institute of Coal Research and the Shell Company of Australia at the University from May 16 until May 20.

Lectures were shared by ICR and Shell and visits were arranged to the BHP Central Research Laboratories, the Port Waratah coal loader, Eraring Power Station, the BHP coke ovens and Saxonvale Mine.

The course and visits were designed to give technical information on coal for managers, economists, geologists and engineers involved in coal export and marketing.

Some of those who availed themselves of the course are shown in the picture.
Japanese

A lecture-discussion series entitled Society, Culture and Education in Japan will be held by the Department of Community Programmes this month and next month.

Built around papers to be presented by Emeritus Professor L.N. Short, the lecture-discussions will evaluate Japanese education in the context of that country's historical development and cultural traditions.

Professor Short was invited by the Australia Japan Foundation to visit the City of Ube in Japan to study the system of education in modern Japan and compare it with our own system.

The lecture-discussions will be held each week on Thursdays between June 28 and July 26 in the Medical Sciences Building commencing at 7 pm.

Sports

1983 Sport & Recreation Programme
Second Term

Mondays:
- Hockey, 1 to 2 pm, No.2 Sports Oval; Basketball, 5 to 9 pm, Auchmuty Sports Centre; Rugby, 6 to 8 pm, No.1 Sports Oval.

Tuesdays:
- Photography, Noon to 1 pm, Michael Nelson Dark Room, Union; Ladies Musical Keep Fit, 1 to 2 pm, Auchmuty Sports Centre; Gymnastics, 4 to 7 pm, Auchmuty Sports Centre; Yoga, 5 to 6 pm, Green Room, Great Hall; Rugby League, 5 to 7.30 pm, No.1 Sports Oval; Hockey, 5 to 7.30 pm, No.2 Sports Oval; Netball, 6 to 7 pm, No.2 Sports Oval; Soccer, 7.30 to 10 pm, No.1 Sports Oval; Hockey, 7.30 to 10 pm, No.2 Sports Oval and Badminton, 8 to 10 pm, Auchmuty Sports Centre.

Wednesdays:
- Archery, 12.30 to 1.30 pm, No.1 Sports Oval; Gymnastics, 4.30 to 6.30 pm, Auchmuty Sports Centre; Colonial and Social Dance, 5 to 7 pm, Southern Cross Lounge, Union; Baseball, 6.30 to 9 pm, No.2 Sports Oval; Volleyball, 8 to 10 pm, Auchmuty Sports Centre and Tennis, 7 to 9 pm, Tennis Complex.

Thursdays:
- Rugby League, 5 to 7.30 pm, No.1 Sports Oval; Hockey, 5 to 7.30 pm, No.2 Sports Oval; Netball, 7 to 8 pm, No.1 Sports Oval; Soccer, 7.30 to 10 pm, No.2 Sports Oval; Tae Kwon Do, 8 to 10 pm, Auchmuty Sports Centre and Rugby, 8 to 10 pm, No.1 Sports Oval.

Fridays:
- Round Robin Squash, Noon to 2 pm, Pavilion; and Indoor Soccer, 1 to 3 pm, Auchmuty Sports Centre.

An invitation is extended to all interested parties to join in the recreation and sporting programmes. Further information can be obtained from Jock Armstrong at Extension 469.

Advertisements

House for Rent -- New Lambton
Six months from the middle of August, 1983. Close to transport to University, shops, swimming pool, etc. Features include: double brick (cool in summer) with three bedrooms, living room, dining room, sunroom, kitchen, etc. Moderate sized yard with lock-up garage. Rent negotiable. Interested persons are requested to telephone 57 1110 (after hours) or telephone Extensions 384 or 793.

Wanted
A few girls aged 10 to 13 for a creative classical ballet class. No examinations, no big end-of-year concert. Instead, a process approach to dance where the students choreograph some of the dances, the teacher choreographs others and steps are practised and perfected, from the dances rather than in isolation. Occasional informal performances as items are ready.

Teacher -- Jeannette Whittaker, who has had a professional career in dance with the Australian Ballet Company in theatre and on television.

Proposed time and venue -- Monday, 6 to 7 pm in the CAE gymnasium.

Interested persons are requested to telephone 52 6056 evenings, or 68 5411 in business hours.

Staff

Appointments

Mr. R.F. Godfrey, Laboratory Assistant, Chemistry Department.

Mr. A.G. Nicholson, Computer Programmer, Computing Centre.

Mrs. C.M. Ruggles, Computer Programmer, Computing Centre.

Mr. R.G. Sanders, Adult Library Assistant, Auchmuty Library.

Car Stickers

The University of Newcastle
Looks Ahead

You can make the University well-known by displaying a sticker.

Produced by Convocation following a suggestion from the Positive Initiatives Committee, the University stickers measure 15 cms by 5 cms.

As a result of the financial limitations, Convocation has to sell them. So bring your money with you. A stock is held by the Publicity Office (666) in the McMullin Building.

Cost: 50 cents each.
DIARY

June 14, 1 pm
HUBERT THE SUPER MAGICIAN, in the Common Room.

June 15, 1 pm
Film: IF YOU LOVE THIS PLANET, Common Room.
5.15 pm
TRAYA, an Indian Trilo (tabla, sitar and sarang), Southern Cross Lounge.

June 16, Noon
Film: FIRST MONDAY IN OCTOBER, Common Room

1 pm
Assoc. Professor Bill Donella’s paper, THEORIES OF MARXIST AESTHETICS, for the Philosophy Club, Auchmuty Room.

7 pm until 9 pm
Commencement of six weekly sessions at the University entitled BASICS OF ENGLISH GRAMMAR. (Designed for people who need to re-learn grammatical rules). Interested persons are requested to telephone 685 522.

June 17 (Nelson Bay)
Commencement of six weekly morning lecture-discussions entitled POLITICS AND ECONOMICS. Interested persons are requested to telephone 685 522.


June 17 to 19 (Morpeth)
Weekend Residential School at the Conference Centre entitled HISTORY IN THE HUNTER. Lecturer: Dr. John Turner. Enquiries 685 522.

FOR SALE
Honda Express (low mileage) as new, $250 or reasonable offer. Cheap transport for Uni student (150 miles per gallon). Interested persons are requested to telephone Margaret Hill at 58 1260.

685 522.

12.30 pm
WOMEN’S PLAYBACK THEATRE, The Union.

June 22, 10 am until 6 pm
MARKET DAY, Union.

June 23, Noon
KUNG FU Film, Common Room.

7.30 pm
Hunter Geographical Society’s Panel Discussion on finding employment as a geographer, R108.