GRADUATION

The University's 1983 Graduation Day will be held on Saturday, April 30. At a morning ceremony and an afternoon ceremony, degrees will be conferred upon approximately 980 graduates in eight faculties.

At the morning graduation ceremony beginning at 10 am, degrees will be conferred upon graduates in the Faculties of Economics & Commerce, Mathematics, Medicine and Science.

The Occasional Address will be given by the Honourable Neville Wran, QC, MLA, Premier of New South Wales.

The second ceremony, when degrees will be conferred in the Faculties of Architecture, Arts, Education and Engineering, will commence at 2.30 pm.

Professor Cyril Romick, Director of the Hunter Valley Research Foundation, will deliver the Occasional Address at the ceremony.

As part of its policy of endeavouring to make Graduation Day significant to new graduates, Convocation has offered subsidies to faculties for morning or afternoon teas to be held before the ceremonies. Moreover, Convocation has continued the existing practice of providing outdoor musical entertainment. The Toronto Brass Band will give a recital at the conclusion of each of the graduation ceremonies during the period in which graduates are being congratulated by their families and friends.

Council agreed last October that changes should be made in the form of Graduation Day to enhance the special occasion for graduates and visitors.

The Vice-Chancellor this year will present a brief report on the state of the University at both ceremonies.

One of the candidates admitted to a degree will respond at each ceremony on behalf of fellow graduates.

Two distinguished citizens will be honoured by the University at the afternoon ceremony when honorary degrees are conferred upon them. They are Canon Victor Pitcher, who has had more than 20 years' association with the University as Chaplain and Tutor, and Mr. Alec Forsythe, a long standing member of the Council and Chairman of the Board of Trustees of Edwards Hall.

Canon Pitcher will be admitted to the honorary degree of Master of Arts and Mr. Forsythe will be awarded an honorary degree of Doctor of University.

The day marks an historic event for the Faculty of Medicine as the morning ceremony will see the first admission of candidates to the degree of Bachelor of Medicine.

From humble beginnings in January, 1975, when the Dean of the Faculty of Medicine, the late Professor David Maddison, took up full-time duty at the University with a Faculty Secretary and a personal secretary, the Medical School has grown into an innovative medical school with approximately 300 students and admitting 64 students each year.

Thirty-nine graduates will receive the degree of Bachelor of Medicine on Graduation Day. The recipients are from the Medical School's first intake in 1978 and recently completed the requirements for admission to their degree.

Two special events have been arranged as part of the Graduation Day proceedings.

One, for approximately 300 people, will be a Gala Luncheon in the University Union, organised by the Faculty of Medicine. Invitations have gone out to Members of Parliament, Deans of other medical schools, academics and supporting staff from the Faculty, clinicians who are part-time Faculty members, other members of the medical profession, representatives of hospitals, officers of the New South Wales Department of Health, members of the University and others.

A spokesman for the Faculty described the invitation list as "all those who have helped us on the way through, even the people who signed the submission for a medical school that went to the Federal Government in the early seventies". The luncheon will cost the guests $12.50 per head.

At the Gala Luncheon the Australian Medical Association Prize will be awarded for the first time to the final year student who achieved the best assessments in subjects at the
core of the Medical School's educational philosophy, including the Doctor/Patient Relationship and Community Medicine. The prize will be presented by Dr. Joan Asher, President of the New South Wales Branch of the ANA.

The other special event, for members of the public who attend the ceremonies, will be an exhibition of photographs showing how the University of Newcastle has developed since the early 1950s.

The exhibition is being organized by Mr. Denis Rowe, Archivist in the Archives Library, and will be mounted in the Dining Room of the University Union.

As for other Graduation Day celebrations, Convocation plans to hold a Graduation Dinner Dance in the University Union commencing at 7.30 pm. The cost is $15 per head and places can be booked by telephoning 685 213.

The Engineering Fraternity is holding a Graduation Dinner at Newcastle Leagues Club, National Park Street, commencing at 6.30 pm. Admission costs $15 for graduates and $16 for others. The Vice-Principal, Professor Ken Dutton, will be guest speaker and the Dean of the Faculty of Engineering, Professor Alan Roberts, and Mrs. Roberts will attend.

Archivist Denis Rowe prepares photographs for the University retrospective exhibition which will be presented on Graduation Day.

LETTERS TO THE EDITOR

Leave it To the Mozzles?

The University of Newcastle has aptly been described as the University In the Bush. Few other Australian campuses are favoured by such pleasant natural surroundings. Yet who cares? Our bush is not somewhere that we go to for a quiet stroll, to eat a picnic lunch or to show a visitor. How could we? There are no paths. The potentially picturesque gullies are so choked with lantana that a machete would be indispensable. Indeed, our bush seems to be ignored as just so much wasteland to be bulldozed for buildings, car parks or ovals be comparable with the Cambridge Backs -- which anyway is mainly University is no worse than the lawn -- but it would be distinctive in a uniquely Australian way and something which we could show our visitors with pride. Or is it a sufficient achievement to be the only Australian campus maintained as a wildlife sanctuary for mosquitoes?

HOWARD DICK, Economics Department.
Two and Two make Four?

I have always regarded myself as rather good at Mathematics. From an early age I was able to count up to 11 to make sure the other side did not have too many men on the field. More recently I have learned to count up to 40 in order to cope with the point count of a bridge hand. I can work out whether the one kilo "special" at a dollar is cheaper than two 500 gm packs at 49 cents each. And I know how much to expect back from 50 cents on a 2-1 winner.

My schoolday forays into the higher levels of Mathematics are not completely forgotten and so I picked up a copy of the Annual Report of the Department of Mathematics, Statistics and Computer Science for 1982. A good opportunity, I thought, to find out how far they have progressed since I was at school. What a surprise! I wasn't too worried by "Self-avoiding Walks on a Lattice", I have never walked on a lattice but if I did I am sure I would have no trouble avoiding myself. "A new Room Square" seemed pretty simple. We bought one for the lounge room not long ago. Persian style but not the real thing.

My confidence began to wane when I got to "Pairwise Orthogonal Latin Squares" and sank even lower with "On the Characterisation of Asplund spaces", then "On one-factorisations of compositons of graphs" and hit rock bottom with "The asymptotic number of convex polyhedra".

I was aware that mathematicians, particularly the computer science experts, had been wondering their way into some strange areas of study including that of Jane Austen's vocabulary. What I hadn't realised was the extent mathematicians had managed to persuade others that they need help with their adding up. The mathematicians help the doctors ("Models for the Transmission of Bilharzia", "Factors influencing hospitalisation rates in the Lower Hunter Region", "Melanoma in New South Wales 1970-76: Surgical Therapy and Survival"), the physicist ("Mechanics of Complex Molecular Systems"), the traffic expert ("Continuous Models in Transportation"), the insurance industry ("Use of framing and data to determine Life Insurance Premiums", etc., etc. With so many interesting and, I expect, lucrative fields open to the mathematician I began to wish that I had persevered beyond the basic two and two make four.

I was left with one consolation. Mathematicians don't know everything. Atlanta University is in Atlanta which is in Georgia. I read "Gone with the Wind". Also a cigarette and set fire to my jeans while I was watching the 4th of July parade in Atlanta. There were sheriffs on horses and but that's another story.

J.S. BOYDELL, Secretary's Division.

FROM THE EDITOR

One of our correspondents recently sent us a note that gives an illuminating glimpse of the busy mind at work. The letter is a complaint concerning the queue which forms to get a game of badminton at the Auchmuty Sports Centre and the need for priority to be given to students because they pay sports fees.

The correspondent admits to being a student "with hardly any time left to participate in many of the extra-curriculum activities". He or she must be so pushed for time that putting a signature on the letter was overlapped, as was giving University NEWS an address so that authorship could be confirmed.

The ball is back in the badminton player's court. Like some other University scribes who fail to meet our requirements for having letters printed in the NEWS, he or she can turn to the back page for details of how to get advice.

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DINNER DANCE

A dinner dance to celebrate graduation will be held in the Dining Room of the University Union on Saturday, April 30, at 7.30 pm.

The cost is $15 per person.

Tickets can be obtained from the Union or from Room 6.60, McMullin Building.

For further information please telephone Extensions 213 or 328.

fringe theatre

A performance of Death Defying Theatre's Show, Living Newspaper, a comic critique of the press, will be given in the Courtyard of the Union on Tuesday, April 19, at 1 pm. DDT is a street theatre company based in Sydney, but always on the move touring Australia. The company uses song, music, dance, mime, juggling and comedy.
The Students' Representative Council (SRC) can anticipate an active and productive year. This is the view of Terry Slevin, who is President of the 31st SRC.

Terry told The News that he was very pleased with the standard and the range of the deliberations of the SRC at its first meeting. The useful interaction between experienced and new members of the Council was a highlight.

Child care and student participation in University bodies were two of the main matters the Council would be immediately dealing with, Terry Slevin said.

Because there was a strong demand at the University for child care services independent of the Community Child Care Centre, he was inviting submissions from interested students and offering to introduce a debate on the topic in the SRC.

An alternative child care service is urgently needed and I hope to obtain an up-to-date report*, he said.

Students had full representation this year on practically all University bodies and this was a better state of affairs than had often existed previously.

Terry said he was keen to see student participation better co-ordinated and better briefed than before, even if it was necessary to call regular meetings of the student representatives. Such meetings would not be "caucus meetings" but, rather, informal gatherings at which main issues affecting students and progress could be discussed.

Terry noted that many people had voiced the opinion that the 1983 Orientation Handbook and Opus were very good examples of the publications. He agreed. The Media Officer, Peter Giles, was in favour of a high local content in the Students' Association's publications and invited students and members of staff to make contributions to Opus.

The people elected to membership of the 1983 SRC include: Vice-President, Barry Farrell; Secretary, Charles Maddison; Treasurer, Michael Harkin; Local AUS Secretary, Margaret Kavanagh; Services Officer, Romy Dalla Costa; Social Action Officer, John Bates; Women's Officer, Hazel Flynn; Environment Officer, Peter Goodwin; Race Relations Officer, Barry Farrell; Local Overseas Student Servicing Director, Chris Turton and Education Officer, Nicholas Reid.

The Faculty representatives are: Architecture, Arthur Chapman; Arts, John Hughes, Bill Lang, Russell Burns, Kerri Shannon; Education, Mary Denev; Science, Douglas Cleary, Fran Dibley; Economics/Commerce, Michael De Lyall, Stephen Smith and Brian Skimmer.

The Association has created voting positions for one post-graduate representative and one Edwards Hall representative and nominations for election to these positions are presently being called. No nominations have been received for election as representatives of Mathematics and Medicine.

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**SPORT**

A YOGA Class of Instruction is conducted weekly in the Great Hall Music Room on Tuesdays from 5 pm until 6 pm. All interested persons are invited to attend.

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**FOR SALE**

**T-SHIRTS** -- Surfriders, one size, one colour, going dirt cheap (only $4), good value at twice the price! Rush on down to Grace Bros, Travel Agency on the campus. Better hurry as they're going fast!
NEW INSTITUTE APPROVED

In 1981 the University Council agreed to the establishment of the Hunter Postgraduate Medical Institute.

Among its aims and objectives is the provision of educational programmes for medical practitioners in the Hunter Region, promotion of special projects of research to advance postgraduate medical education and the receiving of legacies, bequests, endowments, etc., for the purpose of the Institute generally.

Membership is available to all registered medical practitioners in the Hunter Region and surrounding areas.

The management of the Hunter Postgraduate Medical Institute has been vested in the Board, which is responsible for policy meetings four times a year. Moreover, there is an Executive Committee, which controls financial management and ensures that policies are implemented.

By contrast with Postgraduate Medical Institutes at most other universities, which are controlled by university committees, the vesting of management of the HPMI in the Board makes it an independent organisation.

The Board of more than 30 members is representative of all organisations concerned with furthering the education of doctors in the Hunter and surrounding regions. The Chancellor and the Vice-Chancellor of the University, not more than three members of the Council who are medical practitioners and two nominees of the Faculty Board of the Faculty of Medicine are included in the Board by virtue of the constitution. Dr. P. Hendry is Council member and Professors G. Kellerman and S. White are Faculty members of the Board.

Dr. Alan Hawson was elected Chairman of the Board and the Executive Committee. Other members of the committee are Professor Kellerman (Honorary Treasurer), Assoc. Professor C. Engel (Honorary Secretary), Dr. W.J. Charlton (Chairman of the Membership Committee), Dr. B.S. Singh (Chairman of the Programme Committee), Sir Bade Callaghan, Professor K. Dutton as the Vice-Chancellor's nominee, Dr. W. Braggatt and Dr. B. Messner.

The Institute's only staff member is Mrs. Lucy Smith, Secretary, who is located in the Faculty of Medicine at the University.

Right from the start of its life the Faculty of Medicine has been closely involved in the movement to establish a Postgraduate Medical Institute, as one of the Faculty's objectives is to ensure a continuum from undergraduate to postgraduate and continuing medical education in the Hunter Region. The late Professor David Maddison was Foundation Treasurer of the Executive Committee.

Dr. Hawson told the HPMI's annual general meeting on March 19 that the year 1982 had been one of considerable success. Membership had grown and finances were sound. Some meetings conducted in Newcastle had attracted nearly 100 participants and this year should see a rapid expansion of local meetings, he said.

Professor Engel told the University News that in its initial phase the Institute had concentrated on conducting seminars and meetings in the Newcastle area.

Professor Engel said that whilst the Institute would continue to hold meetings in Newcastle, the next objective was to make available the facilities of the Institute to its members throughout the Hunter Region. The Institute operated as far afield as Taree, Tamworth and Gosford. Dr. Messner, in his capacity as co-ordinator, had set up a regional organisation of 10 organisers and compiled a directory of about 60 specialists who were prepared to speak to medical practitioners in their own locality.

It was planned, Professor Engel said, to make available to the area organisers an up-to-date computer list of the books held in the Gardiner Library in the David Maddison Clinical Sciences Building, so that country members could borrow books by post.

Moreover, the Institute had initiated the forthcoming trial of a teleconference communication system, which would permit people at Gosford, Taree and Tamworth Hospitals to hold meetings with people at the University.

A "conference bridge" would be installed by Telecom Australia in the Lecture Theatre in the Medical Sciences Building. The aim was to ascertain the usefulness and practicability of using this type of two-way communication for educational and administrative purposes.

Professor Engel pointed out that interested people from the University and the Department of Health were invited to observe the teleconferencing trials between April 11 and 29 while it was operating from the campus. Seminars on April 19, 27, and 28 would be transmitted to Gosford, Tamworth and Taree by means of the system. Anyone interested should contact Professor Engel at Extensions 438 or 309.

The HPMI's second annual report lists other initiatives, including recorded telephone messages providing details of postgraduate educational events planned for the next two weeks. This service is receiving about 150 calls per month.

Dr. Alan Hawson, Chairman of the HPMI.
Dr. Keith Lyne-Smith, Senior Lecturer in Chemical Engineering, has begun a term of office as Secretary of the University of Newcastle Staff Association.

Dr. Lyne-Smith was elected to succeed Professor Reyn Keats, Professor of Mathematics, in the Secretariatship at the annual general meeting on March 29.

Dr. Don Wright, Senior Lecturer in History, continues as President of the Association.

The other changes in the Association's Executive resulted from Mr. Pran Chopra (Vice-President), Mr. Bill Warren (Treasurer), Mr. Geoff Cowper-Hill, Mr. Brian O'Shea and Dr. David Finlay (Committee Members) stepping down from their positions.

The other officers elected on March 29: Vice-President, Noeline Williamson; Treasurer, Mr. Brian O'Shea; Committee, Mr. John Hill, Mr. Greg Doran, Professor Ralph Cooney, Dr. Monica Hayes, and Dr. Sandra Grimes; Returning Officer, Mr. John Lambert; Auditors, Dr. Peter Hampe stiff and Mr. Warren.

In his report for the previous year, the President drew attention to the following main issues and matters concerning the Staff Association:

Amalgamation

The Executive has maintained the Association's firm overall opposition to the concept of amalgamation. At the same time, once the merger appeared inevitable it sought to influence the form it took in the attempt to ensure that the University was fairly treated.

Had amalgamation gone ahead, it was clear that no organisation would have been able to claim more credit for influencing the legislation than the Association.

Agreement with the University

The high hopes of the early part of the year proved unfounded, and the projected agreement has been 'fined down' substantially. The University currently appears to be taking a slightly less negative approach and I believe that an agreement will probably be signed and that it will still be worth having.

Academic Plan

The Executive sought to remove, or tone down, the most damaging aspects of what was, really, little more than an ill-conceived and ill-argued managerial plan. Success was extremely limited, though it is important to note that Council did not give its full approval to all aspects of this plan. There appears to be an attempt by some to act as if it did, and the 1983-84 Executive will need to be very watchful.

Rationalisation

The Minister for Education has indicated clearly that, with the lifting of the threat of amalgamation, the University and CAE will be expected to work out a voluntary plan for rationalisation and that this will include academic as well as non-academic areas.

Dr. Wright suggested that, because of the many important problems presently being faced and the need for them to be freely discussed, the Association hold a series of policy-making seminars this year.

Among motions carried included these:

- That the question of the Association affiliating with Newcastle Trades Hall Council be decided by a postal ballot.
- That the Association make every effort to secure immediate reinstatement of the system of payment of part salary in advance to members of the academic staff who are granted leave under the Outside Studies Program.
- That a seminar be arranged on a proposal that the Vice-Chancellor be requested instruct appointment committees to give preference to Australian citizens where academic appointments are to be made at Lecturer level and below.

In discussion on the last motion, it was submitted that Macquarie University Council had asked for a detailed paper to be prepared on a similar proposal, which was submitted to the Council in February.

Mr. E. Burke, Senior Lecturer in Commerce, argued in favour of the motion. He pointed out that a bottle-neck situation had developed in Australian tertiary education institutions and many able young people were not able to obtain academic positions. One way of protecting Australian academics might be to hire fewer staff from overseas.

He claimed that Australian universities should not advertise academic positions in London when they were producing graduates of the same high standard as those
produced overseas.

He said that very few western-style countries advertised for academic staff in Australia. In fact, the University of Toronto, Canada, required its members of staff to become Canadian citizens before making them permanent.

He said that the Federation of Australian University Staff Associations intended to discuss the giving of preference to Australians who seek academic jobs at a meeting next August.

The University Sub-division of the PSA passed a motion at a general meeting on March 21 concerning members of staff working to 65 years of age if they wished.

The Sub-division decided to ask the University for an undertaking that there would be no change in the existing practice of permitting staff who want to work until they are 65.

Moreover, the Sub-division decided that the Management Committee should endeavour to have the award changed so that permission to work to 65 was a condition of employment.

The general meeting was called by members of the PSA so that officials could elucidate matters in the new Interim New South Wales Universities Conditions of Employment State Award.

On why the right to work to 65 years of age had been removed, the Chairman, Dr. D. J. Kay, said it was PSA policy that members retiring aged 60, marital or be retired at 50, was a condition of employment in the Public Service and the other five universities in New South Wales. "When the award was being negotiated last year, there was no way that Mr. Justice Sweeney could have upheld the desire of Newcastle University members to retire at 65 in the face of that opposition", Dr. Kay said.

The situation was that PSA members at the University never had any mention in any award of the right to work to 65.

We do have a letter from Professor A. H. C. H. in 1972 which says that any member of staff must retire at 65%.

Dr. Kay reported that the Vice-Chancellor had written to him concerning the new Interim New South Wales Universities Conditions of Employment State Award.

The new clause in respect of retirement was one that has existed at the other five New South Wales universities for many years, the Vice-Chancellor said. The following extract from the minutes of the Finance and Personnel Committee meeting held on November 19, 1982, should allay any anxiety of Dr. Kay's members:

"Concern was expressed regarding clause 27 (which indicates that employees may retire or be retired on or after attaining the age of sixty years) as it would be possible, theoretically, to dispense with the services of a member of staff aged sixty, without superannuation or with very little superannuation cover. It would be possible, for a variety of reasons, to act in such a manner as to cause considerable distress to long-serving employees. It was suggested that clause 27, if implemented, would involve the use of considerable discretion. It was agreed that the above-mentioned comments should be noted in the Committee's minutes."

There was no intention at present, the Vice-Chancellor said, to change the existing practice of permitting staff to work to age 65 if they wished to do so except for medical reasons.

Certainly, staff not on superannuation would be sympathetically considered if changed circumstances forced the University to reconsider its position.

Mr. John Scullick, PSA Arbitration Officer, said that although it was his Union's policy that members retire at 60 the legal right of non-superannuated people to continue work after they turned 60 had been established.

GRADUATE RETURNS

Dr. Ian Robertson, who completed his undergraduate education at this University in 1978, has returned to the campus as a Research Associate in Metallurgy.

Ian Robertson, obtained industrial experience at Cornwell's plant at Waratah and spent the past three and a half years in the United States, where he completed his Ph.D. degree at the University of Illinois (Urbana). At that institution he was associated with the Department of Metallurgy and the Materials Research Laboratory.

Although located in rural, down-state Illinois, the University of Illinois boasts 35,000 students (6,000 postgraduate), the eighth largest library in the world and membership of the Big Ten Athletic Conference, as well as leadership in Engineering teaching and research.

At Newcastle, Dr. Robertson will be conducting research on the effects of ordering on the properties of alloys. He was awarded a two-year fellowship by the Australian Institute of Nuclear Science and Engineering.

The work involves neutron diffraction experiments at the Australian Atomic Energy Commission's research establishment at Lucas Heights.
V.C. in Broken Hill

The Vice-Chancellor journeyed west from his University to speak at the graduation ceremony of the WS and LB Robinson University College in Broken Hill on March 25.

Twenty-one degrees were awarded, including two postgraduate degrees and four honours degrees.

Poobalasingam Thanabalasingam, who was admitted to a M.Sc. degree in Chemistry, is now enrolled in a Ph.D. degree course at this University. He is a Sri Lankan who is known to his friends as Balan.

Professor George was a lecturer in Electrical Engineering at the Broken Hill Technical College in the early fifties.

A former colleague of Professor George at the Technical College is Dr. Geoff Curthoys, who retired as Assoc. Professor in Chemistry earlier this year.

Professor George built part of his occasional address around the significance of the graduation ceremony for the University of New South Wales and the City of Broken Hill.

The fact that the WS and LB Robinson University College was closing down was a matter of the deepest regret to all concerned, but particularly the citizens of Broken Hill.

Professor George said that after the expansion and growth of the sixties and early seventies, cool winds began to blow in the late seventies until now some commentators have described the scene as entering a new ice age. Planning in times of expansion was relatively easy compared to the problems of contraction. Australia's history, in respect of amalgamations, was relatively short and much was still being learnt of its problems.

"How far then", Professor George asked, "can a nation like Australia accommodate the legitimate educational aspirations of its citizens located in isolated and remote areas of this enormous continent? Mining communities in particular are subject to disadvantage through nature's perverse inclination never to locate rich ore bodies within simple travelling distances of major centres of population.

"It is unlikely that the present pattern of almost total dependence of tertiary education on governmental funding will change, despite the "mixed economy" pattern of primary and secondary education, with its choice between the private and the public educational systems.

"The new government in Canberra has made many bold promises, but without indicating the priorities it will follow. Clearly the cost of all initiatives cannot be borne immediately in the current national economic conditions,"

The ALP's platform called for universities to take more school leavers from isolated areas, Professor George said. The disadvantages and high costs for students from remote areas -- travel and accommodation -- continued to be real disincentives.

"Does the policy mean more scholarships to permit students to travel to centres of greater educational opportunity? If so, Newcastle would be delighted to open its doors to such students."

For more than 30 of the 100 years of Broken Hill's history, the University College had played a distinguished role and its graduates would continue to bring credit and distinction to their alma mater. Whatever form of tertiary education emerged to take its place could not subtract from those accomplishments, and would continue a tradition of technical education which could be traced back as far as 1904 with the award of the first Assaying diplomas.

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FOUND

"Pendaghas" the white cockatoo, Sandra Bayley, the Medical IV student who had left "Panda" in his tree near the Medical Sciences Building, is jubilant. The cockatoo was found by one of the University's contract cleaning staff who thought he was lost. Sandra has put on the tree a sign which announces that "Panda" is a much-loved pet who should not be caught.

Pendaghas
Mr. Seargent's thesis examines in detail the theory elaborated by the philosopher and psychologist, George Frederick Stout (1860-1944), who, while on the whole taking a middle-of-the-road position, offered a specific solution needed 'distributive unity'. Stout's theory brought about widespread controversies and placed the universals once more into the forefront of philosophical issues in the interim period.

Emphasis in the thesis falls on a close analysis of Stout's contentions and his key terms. His theory asserts that universals are actually classes of a certain sort of particular, which he termed 'abstract particulars' to differentiate them from concrete particulars or 'things'. By this phrase, Stout meant a singular instance of a quality or relation: this instance of whiteness, this instance of being-to-the-left-of. Universals are then understood as being the classes of all the instances and possible instances of each quality or relation.

Apart from a detailed analysis of Stout's theory, the thesis traces its genesis in earlier writers and examines the controversies it generated. Moreover, it is argued that Stout's theory cannot be understood properly except by placing it in the context of his idealist cosmology. It is further contended that the more recent theorists who continue to treat the problem of universals in the Stoutian manner tend to ignore the overall framework of Stout's theory. Their retention of Stout's specific contentions and acceptance of high-level assumptions alien to Stout combine to produce specificible ambiguities and fresh difficulties.

In addition to his philosophical work and occasional lecturing, Mr. Seargent has a passionate interest in astronomy. Some will recall that in the early 1970's, Mr. Seargent formed in this University the Astronomical Society. Fame came to him when he discovered Comet Seargent 1978XY, which, incidentally, was the first comet to be observed by the International Ultraviolet Explorer orbiting observatory.

Mr. Seargent is also the Coordinator of the Australian Comet Section, a network of amateur astronomers interested in the visual observations of comets and having participants in most Australian states and in New Zealand. This observational programme is conducted in close co-operation with similar networks in The Netherlands, United States of America and the United Kingdom. Mr. Seargent looks after the observations obtained by the ACS which are then regularly published in the International Comet Quarterly.

Mr. Seargent's first book, 'Comets: Vagabonds of Space,' has recently been published by Doubleday (USA) and is now available in Australia. In the meantime, he is revising for publication his doctoral thesis.

Seminars

Monday, April 18
1pm -- Philosophy Department Seminar. Topic: Paternalism and Personal Integrity. Guest Speaker: Dr. J.I. Kleinig (Macquarie University). Venue: Room A110 (McNairlin Building).

Wednesday, April 20
9.15 am -- Mechanical Engineering Seminar. Visit to Alco Steel -- CNR/CAM.

Friday, April 22

scholarship winner

A Frank Henderson Undergraduate Scholarship in Engineering has been awarded to Lachlan Squalr, who comes from Dubbo. Frank Henderson Scholarships, which are financed from income received by the Department of Civil Engineering and Surveying and its staff for consulting and testing services to industry, provide free accommodation in Edwards Hall for up to four academic years, contingent on the student continuing to make satisfactory progress. Their current value is about $2,400 per year and they are open to students intending to enrol in either Civil Engineering or Surveying at the University.

Lachlan has moved into Edwards Hall, where he joins three other students who were previously awarded Frank Henderson Scholarships.

The Head of the Department of Civil Engineering, Dr. F. Clarke, welcomes Lachlan Squalr.

Lachlan, one of whose brothers is studying Engineering at the University of New South Wales, is the son of Mr. and Mrs. W.H. Squalr, of Gibbs Street, Dubbo. He took his Higher School Certificate last year at South Dubbo High School.

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ELECTIONS

The response to the elections for student membership of various University bodies is the best for many years and is an encouraging sign of the interest students are taking in University government.

As a result of the invitation for nominations, the following students have been elected:

Senate: John Cowley, Peter Giles, Kerri Shannon and Terry Stevlin.

Faculty Board, Architecture: Kevin Brereton and Geoff Mace.

Faculty Board, Arts: Barry Farrell, Ann Moylan, Tahn O'Brien, Terry Stevlin and Deborah Turnbull.

Faculty Board, Faculty of Economics & Commerce: Kevin Brisbane, Michael De Lyall, Kevin Holmes and Mark Jackaman.

Faculty Board, Education: Helen Jones and Margaret Kavanagh.

Faculty Board, Medicine: Colin Butler, Paul Cullen, Randall Greenberg, Dianne Pacey and Michael Sandner.

Faculty Board, Science: Fran Dibley, Afaf Girgis-Shaw, Peter Power and Michael Warner.

Board of Studies, Business Administration: Kevin Brisbane (to be nominated for appointment by the Senate).

Three nominations were received in the category of first year students on the Faculty Board of Medicine -- Mark Groves, Robert Pickles and Michael Thomas.

As there are only two vacancies an election is necessary in this category. Voting, restricted to first year medical students, will take place in the Faculty Office, Medical Sciences Building on Tuesday, April 26 and Wednesday, April 27, between the hours of 10 am and 4 pm.

Radiation course

The Australian School of Nuclear Technology at Lucas Heights will conduct a Radioisotope Course for Graduates (No.29) from July 25 to August 19.

The objective of the course is to assist scientific, engineering and technical personnel of graduate level to obtain, within a short time, sufficient proficiency in radioisotope techniques to use them safely and efficiently within their individual fields.

The fee for the course, inclusive of accommodation, subsistence and fares, is $600. The closing date for receipt of applications is June 20.

Further information may be obtained from Mrs. G. Durham, Extension 240.
RESEARCH

Research being conducted by Dr. Don Angus, of the Department of Biological Sciences, may lead to safer sun screening agents.

Dr. Angus, who is collaborating with two research scientists in Switzerland, has arranged for the cause of genotoxity in cinnamate, a chemical compound used in sun screens, to be investigated.

As part of the investigation, Dr. F.E. Wurgler and Dr. H. Humler visited the University on March 10. Dr. Wurgler is Professor of Genetics at the University of Zurich and Dr. Humler is the Research Director of Toxicology of Hoffman-La Roche, Basel, Switzerland.

In collaboration with other researchers at the Commonwealth Institute of Health, Sydney, and the University of Sydney, Dr. Angus has found that the UV-absorbing, and other sun-protecting, substances in certain sun screen lotions are able to produce mutations in standard test organisms.

The sun-protecting agent showing genotoxity was discovered when 25 sunscreen ingredients were tested in the Salmonella/microsome assay. The substance 2-ethyl p-methoxycinnamate increased the frequency of sex-linked recessive lethal mutations in the fly Drosophila melanagaster.

A trace contaminant may be implicated. Dr. Angus says, because many samples were obtained from several sources and the positive mutagenic results were batch-related. However, the finding of genotoxity casts some doubt on the suitability of cinnamate as a sun screen.

When copies of reviews of Lines From the Horizon, an anthology of some of the entries in the 1982 Mattara Poetry Prize, arrived at the University, they were found to be favourable.

Lines From the Horizon, which contains 22 of the 600 entries, was sponsored by the University and the Hunter District Water Board and edited by Dr. Christopher Pollinitz, Lecturer in English.

Excerpts from some of the reviews:

"Though the idea of a poetry competition may strike many of us as a perverse form of literary patronage, this book shows that such a competition can attract a wide range of good poetry", Susan McKernan, THE CANBERRA TIMES.

"The competition was won by Peter Kocan's From the Private Poems of Governor Caulfield. If this book contained Kocan's series of poems and nothing more (which it doesn't), it would still justify its worth", Martin Flanagan, THE LAUNCESTON EXAMINER.

To both the open and the schools' sections of the second Hunter District Water Board Mattara Poetry Competition there was an overwhelming response. Entries in the open almost doubled and in the schools' section, this year divided into two sections trebled. Obviously, then judging this competition has become an arduous undertaking. As one of the judges of the Mattara Prize, Dr. Christopher Pollinitz remarked to me, 'I was quite excited by it when I haven't been exhausted by it'. His fellow judges, Professor Harry Heseltine and Queensland poet Bruce Dawe, would agree". T.H. Nalsby, THE NEWCASTLE HERALD.

For $6 the Department of English will send you a copy of Lines From the Horizon.
The Drama Theatre will light up for the first stage production this year when Fata Morgana presents The Great Aussie Drought Show on April 28 and 29 at 8 pm.

Fata Morgana, a Sydney fringe theatre group operates as a co-operative.

In late 1980, the company toured Northern New South Wales and Southern Queensland with two short plays.

In 1981, it presented Waittime in a return season in Sydney and subsequently toured it to Newcastle. It toured the comedy Vanities to Newcastle and country centres, concluding with a successful season in Karumba.

It was also involved with the NIMRAD Theatre's successful production of Cloud Nine as co-producers.

The Newcastle sit on by Fata Morgana is to be sponsored by the Union.

The Woods, by David Mamet, reveals aspects of heterosexual relationships in beautifully controlled images and language usage.

The Great Aussie Drought Show, a short street theatre piece, is a selection of humourous anecdotes, poems and songs compiled by the company specifically for the present crisis facing country populations.

Tickets are available from the Union Shop.

FOR SALE

CORONET CARAVAN -- 16 feet, six berth with annexe plus new carpet. This caravan is already on site and is in excellent condition. $5,000. Interested persons are requested to telephone Extension 534 or 434560 after hours.

BADMINTON RACQUET -- English Dunlop Maxply, in like new condition, $10. Interested persons are requested to telephone Extension 581.

SANSUI 331 STEREO RECEIVER 20x20w. Loudness, A+B speakers, AM-FM Stereo, antenna included, excellent condition $170. SANSUI AA3900 SPEAKERS, ported two-way, high frequency, adjustment 40w maximum, excellent sound $200. If any person is interested in purchasing both items then the price is $320 ($50 saving). Interested persons are requested to contact Peter Moysilis C/Y Edwards Hall, Room C202 or telephone 67 2644.

1978 DATSUN 2000-GL In excellent condition, interested persons are requested to telephone Lorna at Extension 397 for further particulars.

FOR RENT

HOUSE ON WATER FRONT -- CAREY BAY. This house has two bedrooms and is fully furnished and is available from May 1, 1983 on a 6 to 12 month lease. Rental: $125 per week. Interested persons are requested to telephone 59 1688.

PHILOSOPHY CLUB CAMP

Advance notice is given of the Philosophy Club Annual Camp to be held at Morpeth Conference Centre from May 6 until May 8 (last weekend of term). All Philosophers and others are very welcome to attend for either whole or part of the weekend. Please leave your name and address with the Philosophy Department Secretary or telephone Extension 411 if you require further details of program etc.

WANTED TO BUY

DRAFTING OR DRAWING TABLE. If you are able to assist please telephone Norton Jacob! at Extension 797 or 49 8017.

WANTED KOWN

Concrete jobs done -- paths, garages, etc. Interested persons are requested to telephone Lorna at Extension 397 for further particulars.

KITES

Promised yourself that you're going to fly a kite, literally?

The University Union and the CAA Students' Association will provide the opportunity to translate intention into action.

The prizes for the People in the Park Flying Kites are open to students and staff, their children and the public.

The programme for the outdoor event in King Edward Park on Sunday, April 17, is: 11 am start of competitions; Noon until 2 pm, rotunda, recital by Maitland City Brass Band.

Prizes will be offered in the following areas: Grand Open, $50 donated by NBN Channel 3; 12 to 16 Years Open, $30 donated by THE STAR; Under 12 Years Open, $20 open order donated by Elphick's Toy World, Market Square; Student Open, First, $50 donated by Uni. Union & NCAE Students' Association, Second, $30 donated by Uni. Union & NCAE Students' Association, Third, a "Darwin" Stubby of beer worth $20, donated by the Cambridge Hotel; Students' Children's Classes, 12 to 16 Years, $20 open order donated by Sound World, Garden City and Mayfield and Under 12 Years, $10 open order donated by Roy Baartz Sports Store.

The organisers will make barbecues and soft drinks available, meaning that those who participate or just watch should bring their own food, etc.