GRADUATION

At Graduation Ceremonies in the morning and the afternoon of April 30 there were capacity audiences, comprising the new graduates and their friends and family, members of the University Council and academics.

Degrees were conferred upon 580 people by the Chancellor, Sir Bede Callaghan in the Great Hall of the University.

The graduates included seven people who were awarded University Medals.

At the conferring of degrees for the Faculties of Mathematics, Medicine and Science, Sally Galbraith, who graduated Bachelor of Mathematics, Douglas Routley, who was awarded a Bachelor of Medicine degree, and Ruth Allen, a Bachelor of Science graduate, received medals. The second ceremony featured four recipients of University Medals -- Ronald Bown (Architecture), Margaret See (Classical Studies), Lindsay Kleeman (Electrical Engineering) and Philip Clausen (Mechanical Engineering).

Graduation Day was again the occasion for recognising those who have made distinguished contributions to the University.

Canon Victor Pitcher, former University Chaplain and Tutor, received the honorary degree of Master of Arts, and Mr. Alec Forsythe, a long-standing member of the Council and Chairman of the Board of Trustees of Edward's Hall, was awarded an honorary degree of Doctor of the University.

The Premier, The Hon. Neville Wran, QC, MLA, with the Chancellor, Sir Bede Callaghan and the Vice-Chancellor, Professor D. George, after the morning Graduation Day ceremony on April 30.

The morning ceremony saw the first group of medical students from the University receive the degree of Bachelor of Medicine.

The historic event for the Faculty of Medicine was marked by a Gala Luncheon in the Union, attended by Members of Parliament, Deans of other Medical Schools, academics and many others who helped the Faculty to become established and achieve international recognition.

The Premier of New South Wales, The Hon. Neville Wran, QC, MLA, accepted an invitation to give the occasional address in the morning and told the Economics & Commerce, Mathematics, Medicine and Science graduates that they were graduating at a time when their State and, indeed, their country needed all the expertise, strength and goodwill they could muster.

The Premier said that if the late Professor David Maddison's programme succeeded and if the Faculty of Medicine turned out the kind of doctor Professor Maddison envisaged the University would profoundly influence the way that medicine was practised in New South Wales and, virtually, the whole of Australia.

(more over the page)
"I feel very sincerely that by producing doctors concerned with prevention, rather than cure; doctors who come from diverse backgrounds; who bring with them a broad range of life experience; and who are committed to the concept of community medicine, Newcastle University can help restore the somewhat battered image of today's medical profession".

Mr. Hawke commented that the Hunter Region was going through tough times. Indeed, the whole of Australia was going through tough times. But New South Wales was an industrialised state and the Hunter, an industrialised region, had been particularly hard-hit.

"However, the graduates here today", the Premier said, "should take heart and hope from the diversity of this great region; a diversity which embraces natural resources and manufacturing and service industries of all kinds".

Professor Cyril Renwick, Director of the Hunter Valley Research Foundation and a member of the Council, delivered the occasional address in the afternoon. His initial theme was the great crisis that had hung over the future of higher education in the Hunter Region for the past year but which, at least for the time being, had been ended by Mr. Hawke's electoral win.

Speaking directly to the Architecture, Arts, Education and Engineering graduates, Professor Renwick said that because of the fortitude, courage and determination of the Vice-Chancellor, Dr. Richardson, the graduates had the great good fortune to be graduating in the name and body corporate of the University of Newcastle as it was originally enacted and they would not have to look on themselves as being the unfortunate victims of some unscrupulous political decisions which could well have altered the whole status of their degrees and their future in the academic, social and business communities of Australia and the world.

Professor Renwick said that if the University and the CAE were looked at within the context of the local region it became apparent that there were many opportunities awaiting development through their joint actions. For example, it disappointed him that an academic institution such as the Riverina CAE at Wagga Wagga was the place to which people must go to talk scientifically about Hunter wines and their future, and if the highly professional training of oenologists was sought it could be necessary to go as far afield as Roseworthy in South Australia.

He contended that the University, the CAE and Tocal College had a unique opportunity to form a tripartite group of studies covering oenology, microbiology, food technology, viticulture, marketing and land use. "I would hope that within the next few years this kind of development will be high on our planning scale and will be incorporated into the next triennium to be put to the Commonwealth Government".

The move by the Vice-Chancellor to re-convene regular meetings of the University, the CAE and TAFE to discuss mutual problems was described by Professor Renwick as "a most heartening step towards a better use of our funds, buildings, staffs and educational opportunities". Much of the work at the CAE could be seen as having the possibility to develop as a world of para-studies complementing the professional degree courses of the University.

The Vice-Chancellor presented a brief report on the state of the University at both ceremonies and said that the University had been living for two whole years in a state of uncertainty about its future.

"It is a very long while to exist in a state of suspended animation and the hours lost in debate and acrimony hardly bear thinking about, compared to positive use that could have been made of similar time".

Professor George acknowledged the resilience and enthusiasm of staff and students which allowed the normal processes of study and research to proceed. "I would not wish it thought that the last two years have been entirely lost; the achievements honoured today clearly support this view".

Heart-warming to those inside the University, he said, had been the spontaneous and widespread support from the community during those difficult times. "In a strange way, even find ourselves stronger as an institution through the gathering of forces brought to bear and the support, particularly, of local parliamentarians and our State Minister for Education, Mr. Ron Mulock", the Vice-Chancellor added.
Industry Potential

The Department of Electrical and Computer engineering is hopeful that a low-cost variable speed AC drive which it has developed will be adopted by Australian Industry. The drive is unique in its extensive use of high technology and represents a true competitor to the UC drive both in terms of cost and performance.

On the recommendation of the Department of Science and Technology in Canberra, the device was submitted for consideration to the New South Wales Entrepreneurial Workshop, which has selected it as an innovation worthy of special evaluation.

The Department of Electrical Computer Engineering's academic team that designed the variable speed AC drive comprises Dr. Rob Evans, Jr. Brian Cook and Assoc. Professor Tony Cantoni. They say that the invention is relevant to countless industries including steelmaking, textile and water supply industries.

The drive has particular merit in industries where the environment may be hazardous, for example the petrochemical, chemical and mining industries. Moreover, they say, the drive operates efficiently in conjunction with motors of a horsepower rating ranging from 1 to 100 HP.

Presently the research team is looking at the possibility of adapting the invention to motors of a smaller HP rating, for example, those installed in washing machines and other products of the "white goods" industry.

The New South Wales Entrepreneurial Workshop has selected the invention for evaluation by a group of consultants which will report before next September on its development and commercial potential.

The researchers from the Electrical and Computer Engineering Department pointed out the basic problem that they had faced was to take the 50 Hz mains supply and change it into a variable frequency and variable voltage supply suitable for driving induction motors.

Their contribution results from having designed an inverter (a three-phase sinusoidal PMM inverter) which is controlled by means of a microprocessor. The system replaces a large quantity of electronics and achieves improved performance characteristics from the motor. It has the added advantage that overall system reliability is enhanced.

Characteristics of the performance of the variable speed AC drive:

• No cogging effects are experienced at low speeds.
• The efficiency of the conversion process is very high -- achieving above 98 per cent at full load.
• Both the speed and torque characteristics of the motor can be controlled very accurately.
• The electronics incorporated in the device are very robust due to the use of advanced high technology components.
• The system can be software configured to emulate the characteristics of nearly all known types of electrical machinery.

Schools Visit

The University expects to reach more than 1500 senior secondary school students as a result of Schools Visit Day on May 26. Many of the students are contemplating doing tertiary study next year.

A leaflet giving the programme for Schools Visit Day, and mentioning the highlights, is being sent to students at high schools in areas bordering on the Hunter Valley as well as those in the Hunter Valley itself. As was the case last year, the University will conduct the event in conjunction with Newcastle CAE.

On arrival the students will receive a special edition of University NEWS as a source of information about admission requirements and student life at University.

Dr. Cook, Dr. Evans and Professor Cantoni with the viable speed AC drive which they built. Photo: Peter McLachlan.
At the conferring of degrees ceremonies on April 30, spokespersons for the new graduates saw University life as a series of learning experiences and challenges.

In the words of Lynley Brennan, BA, who spoke at the afternoon ceremony: "It seems very important that we should not regard our graduation from this University as simply the means of receiving a piece of paper which will be a pathway to employment.

"I think, for each of us, our degree should be a symbol to remind us that we have participated in a series of learning experiences which have helped us to develop certain skills and attitudes that can be of value to our community. I believe it is our role to leave this place firmly committed to exploring the dynamics of the relationship between education and service. It should be our desire to continue to further our learning while helping to develop the community of which we are a part."

Lynley offered the view of all the graduates that they had gained a great deal from their time at the University, both in terms of the opportunity it had provided for contact with new ideas and information and of the personal contribution to learning afforded by interaction with staff members and other students.

"I'm sure my fellow graduates would also like to share this opportunity with me of thanking our families for the support they have given us during our studies."

She added that students of the University were indebted to Professor George and the Council, who, by resisting amalgamation, had maintained the original identity and status of the students' degrees.

Douglas Routley, B.Med, extended his thanks to members of the University and the visitors at the morning ceremony.

"The last few years have been an experience for all. For many, it began with a migration to Newcastle."

Douglas Routley, B.Med. with Honours and the University Medal, with the Deputy Chancellor, The Hon. Justice Michael Kirby, after he graduated. Dr. Routley spoke on behalf of the graduates at the morning ceremony.

"Then, there was the transition from school life to the University campus. For years we had been directed and suddenly we had to find out how to learn for ourselves. That we got this far is a credit to all faculty members."

"For those of us in the Medical School, entrance to University held a few extra challenges -- a new Faculty, new students and a totally new teaching concept, so new that Stanford was formed and eventually approved by the Australian Medical Council."

Professor David Maddison's untimely death in 1981 meant that he failed to see his first graduates, but he can be assured that the staff he gathered will continue to try new and innovative concepts in both medical teaching and practice", Douglas said.

Public Address

The Newcastle group of the Australian Institute of International Affairs is offering a lecture on:

THE USSR UNDER ANDROPOV

It will be held in the Staff House at 8 pm on May 20.

Dr. Ihor Gordijew, Senior Lecturer in Economics at Macquarie University will be the speaker. He is a specialist in Soviet Studies and last visited that country in 1981.
The Drama Department's first production for 1983 will be The Libation Bearers, the second play in Aeschylus' trilogy The Oresteia, first performed at Athens in 458 BC. Orestes returns from exile with the task of killing Aigisthos, who was an accomplice in the murder of his father Agamemnon and has usurped his throne, and of avenging the death of Agamemnon — who was murdered by Orestes' own mother, Klytamestra. The play begins with Orestes' arrival in Argos, and his reunion at the grave of his father with his sister Electra; it proceeds to an intense climax in the last confrontation between Orestes and Klytamestra.

This production will attempt to bring the power of Aeschylus' unique blend of poetry, action, dance and song to Newcastle audiences. It will be directed by Assoc. Professor Michael Ewans, in his own new translation. Much of his research work has been devoted to the Oresteia, and this will be his first production for the Department, of which he is Head. As in last year's production of Woyzeck, Dr. Ewans, from the Music Department at NCAE, has composed the music, and she will train the chorus in collaboration with choreographer Lynne Lawson, who has recently returned to Newcastle after studying drama in England and is currently working towards a Diploma in Arts in the Drama Department. Cast members will include Justin Collins as Orestes, Dimitry Raftos as Elektra, Kate Westbury as Klytamestra and Bruce Copping as Aigisthos. In this play the chorus plays a central role; its members will be Mag Dunn, Christina Gerakites, Kate Gray, Kate Halliday, Chris Kostiw, Jenny Nielsen, Diana Wilson and Linda Wilson.

The Libation Bearers will be performed in the Drama Studio (adapted to give the feel of the ancient Greek theatre shape) at 8.15 pm each night from Wednesday, June 8 until Saturday, June 11 and from Wednesday, June 15 until Saturday, June 18, with a matinee at 5 pm on Sunday, June 19. Admission is free but seating is limited so booking is essential. Please telephone the Drama Department at 68 3705 to make your reservations.

FOR SALE

1978 Datsun 200SX in excellent condition with nine months registration. This vehicle has good tyres and all the extras you'd expect. I was after $3,500 but am prepared to negotiate. Interested persons are requested to telephone Anthony at 59 3566 or 63 2774.

1978 Datsun 200B-GL — one owner, excellent condition. Features include: velour upholstery, tow-bar and 12 months registration. Interested persons are requested to telephone Lorna Brent at Extension 397.

POSITION WANTED - DRессMAKING

Dressmaking, alterations and curtain making are done at very reasonable prices, no job too small. Interested persons are requested to telephone 52 8804.

WOMEN'S GROUP

The University of Newcastle's Women's Group will hold its next meeting on May 19. The members will walk the nature trail and hold a barbecue on Scoble's Heath. Members will meet in the Engineering Carpark and begin the walk at 11 am. They should bring their own lunches.
Lynley Brennan, BA, spoke on behalf of those upon whom degrees were conferred at the afternoon ceremony. Having a new graduate respond was one of the changes Ruth Allen (Biology) and Sally Galbraith (Mathematics) who were made in the order of proceedings awarded University Medals, for each ceremony this year.

After the first group of candidates for the degree of Bachelor of Medicine had been admitted they cut the cake at the Gala Luncheon in the Union. Splendid photo: Steve McInally.
Mrs. Betty Fewings, Secretary in Electrical and Computer Engineering, proudly congratulated her son, Glen, who received a Bachelor of Engineering degree with Honours Class II, Division I.

Ann Avery was among graduates who received Bachelor of Science degrees. Roslyn’s father, beaming at right, is Professor W. Pickering, Professor of Chemistry.

The afternoon ceremony was particularly satisfying for this new graduate from Western Samoa, Malinda Meredith. Malinda and Sallieamou Lilomilava-Niko received Bachelor of Arts degrees, while Carol Ahmu and Katalaina Sapolu received their B.A. degrees in absentia. Malinda’s father, Ulii Meredith (at left), a Samoan public servant, and her fiancée, Tsiki, attended the ceremony. The new graduates from Western Samoa belonged to a group which enrolled at the University in 1980 under the South Pacific Aid Programme. Tsviki and two others are still studying at the University.

Alyn Ann Avery was among graduates who received Bachelor of Science degrees. Roslyn’s father, beaming at right, is Professor W. Pickering, Professor of Chemistry.

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Mr. Brian O’Shea, Lecturer in Commerce, who received a Master of Commerce degree, with William (Bill) Wileman, well-known campus sporting personality, who graduated Bachelor of Commerce. Bill played for the Newcastle representative Rugby Union team after the ceremony.
Turbulent Motion

It is now rather difficult to conceptionally picture the large scale structure. The situation is similar, he says, to "five blind men trying to decide the shape of an elephant." Therefore, it is essential, before choosing a conditional sampling technique to study the properties of the structure, that the eddies and their properties are not artifacts of a particular technique.

Once the "structure" was properly elucidated, the effect of Reynolds number on the "structures" was investigated with a view to a better understanding of "scale effects" in turbulent boundary layers.

The test facility consisted of a gently-heated flat plate turbulent boundary layer. Heat was used as a passive marker of the fluid to distinguish regions of hot (turbulent) fluid from cold (non-turbulent) fluid.

An 11-probe temperature rake, operated by constant current anemometers, was used to visually detect the internal temperature front associated with the back of the large scale structure, from a long record of the temperature signals from the rake. A combination of X-wires and the rake was used to obtain ensemble averages of velocity and temperature and their products.

Data processing was carried out in the Department of Mechanical Engineering's PDP 11/34 computer.

Important findings of the work are:

- None of the existing one point conditional sampling techniques is more than 50 percent effective in detecting the visually observed internal temperature fronts. However, qualitative properties about the temperature front can still be obtained without any loss of generality using the less tedious single point conditional sampling techniques, and
- The effect of Reynolds number on the properties of temperature fronts, more or less, supports the general consensus from other smoke flow visualisation studies, viz., that at low Reynolds numbers the boundary layer mostly consists of individual hairpin or horseshoe vorticies while at large Reynolds numbers the large scale structure is a random agglomeration of hairpin-like structures.

The results of the work will be of use to researchers who are trying to develop improved models of turbulent flows.

Dr. Subramanian was born in Bombay, India, and did his B.E. in Mechanical Engineering from B.M.S. College of Engineering, Bangalore, and obtained his M.E. in Aeronautical Engineering from the Indian Institute of Science, Bangalore. He joined the Department of Mechanical Engineering at the University in May, 1977, and completed his Ph.D. research work in August, 1981.

Presently, Dr. Subramanian is employed in the Department of Aeronautics at Imperial College of Science and Technology, London.

ANZAAS

This year the ANZAAS Congress is to be held in Perth from May 16 to May 20.

To assist University staff members interested in Conference proceedings, the University Radio Station 2NUR-FM, in association with a number of other educational public broadcasting stations, has arranged substantial coverage of the Congress.

Members of staff who are interested in particular Conference sessions should contact Mr. Anton Donker at 2NUR-FM to arrange copies wherever possible. Any enquiries or suggestions regarding the coverage would be welcomed by Mr. Donker.

2NUR-FM will broadcast these specially prepared sessions each night between 9 pm and 10 pm for the week of the Congress.
Library News

As part of its programme to extend the range of information services available on campus, the Auchenmuty Library became a user of the ACI AUSINET Service from April 1. The Library now have online access to a variety of Australian bibliographic databases, complementing its overseas coverage via the Dialog and Orbit systems. There is something for everybody in AUSINET, the Library says.

One of the most valuable databases is AFRE, an index to articles of domestic origin in the Australian Financial Review since 1981. The file is updated every Wednesday with the last week's material. Faculty with an interest in industry and commerce will also be well served by the Australian Business Index, which gives an exhaustive coverage of company news in the major Australian financial press.

It is now possible to get a printout of recent Australian books, articles and theses on almost any topic. The humanities and social sciences are catered for by the Australian National Bibliography, the Australian Public Affairs Information Service, the Australian Education Index and the Union List of Higher Degree Theses in Australian Libraries. As well as these databases, the science and technology community will have access to the Australian Science Index and the Australian Earth Sciences Information System. A number of specialised databases cover the transport and road research area.

For the moment, AUSINET searches will be conducted at $2 per minute, plus print costs for a NUSEARCH, or $10 for a QUICK-SEARCH with a restricted number of search terms. Anyone interested should contact Jim Cleary, Alicia Hardy or Anne Robinson in the Auchenmuty Library at Extension 454.

in brief...

Professor W.O. Willits, Assoc. Professor in Mathematics, has accepted a Canadian Commonwealth Scholarship to pursue research in connection with Latin squares and arrays, a branch of Combinatorial Mathematics, at Simon Fraser University in British Columbia for five months in 1984.

Professor A. Canton, Assoc. Professor in Electrical and Computer Engineering, has been granted $6,000 by the Radio Research Board in support of his project, Radio Frequency Adaptive Arrays.

On May 17, before the Society of Friends of 2NUR-FM commences its annual meeting in the Mathematics Common Room, a cheque for $2,500 will be presented to the University's radio station by a representative of the Contemporary Jazz Society, which recently wound up its activities. Members of the CJS initiated the donation with the purpose of enabling 2NUR-FM to add to its jazz recording library and record live concerts. Since 1977, when the CJS was formed, jazz has been widely featured in 2NUR-FM programmes.

The composition of the 1983/84 Board of Management of the Union has been announced.

Council Appointees: Messrs T. Askio and P. Chopra.

Graduate Representatives: Messrs W. Cone and P. Goodwin.

SRC Representatives: Messrs M. Harkin and P. Giles.


Sports Union Representative: Professor G. Tanner.

Secretary/Manager: Mr. J. Broughton.

Staff Representative: Freda Bartlett.

OFFICE BEARERS

President: Terry Slevin.

Vice-President: Peter Goodwin.

Honorary Treasurer: Michael Harkin.

Secretary/Manager and Chief Executive Officer: John Broughton.

New Society

On June 4, Senator Elisco Zamora, Consul in Australia of the Republic of Cuba, will give a lecture in Lecture Theatre 801 at 2 pm.

A Cuban educational film, The New School, with English subtitles, will be screened. The film takes approximately one hour and 20 minutes and will be introduced by Senator Zamora.

A meeting will be held after the film has been screened with the object of establishing a Newcastle Branch of the Australia/Cuba Friendship Society. Branches of the Society exist in all capital cities of Australia and in a few smaller centres.

All are most welcome to attend.
Sydney Basin symposium

The Department of Geology held its 17th Annual Symposium on Advances in the Study of the Sydney Basin on the weekend April 29 to May 1. Despite the problems which have beset the coal industry in recent times, the meeting was another outstandingly successful gathering for this long-established forum.

In excess of 230 registrants attended the symposium, at which 31 papers were presented for discussion and review. In spite of the weather, some 70 participants also attended a field excursion on the Friday afternoon along the coastline south of Narooma.

As usual, the symposium banquet was held in the Rothbury Cask Hall, where a capacity gathering of 228 participants and their wives enjoyed a very convivial evening in magnificent surroundings.

This year the symposium has moved to the publication of extended abstracts (or small papers), which are provided by the authors in camera-ready format. As a result the publication has expanded to over 100 pages and has become a major addition to the geological literature of the region.

SPORT

Terence Farrell, an orienteer, Phillip Horton, a table tennis player, and Vicki Schofield, a volleyball player, were awarded Blues at the University's Blues Dinner in the Union on April 29.

Terence Farrell also received the Sportsman of the Year Award.

Terence Farrell has built up an outstanding record of performances in Australian and State orienteering championships and has represented Australia for the last four years, competing in New Zealand, Finland, Switzerland and Hungary.

Phillip Horton has made a few appearances as a Newcastle representative and has represented the University at Inter-Varsity contests from 1980 until 1982. In 1982 he was selected in the Combined Inter-Varsity team.

Vicki Schofield in 1980 captained the University women's team which won the A Grade competition. From 1980 until 1982, she captained the Newcastle Representative team which competed in the Country and New South Wales Championships. Vicki represented the University at Inter-Varsity contests from 1978 until 1982. In 1982 she was selected in the Combined Australian Universities team which toured New Zealand.

At the dinner, Colours were presented to: George Brennan (Surfers Club), Peter Brecht (Rugby Club), Barry Martin (Rugby League Club), David Morrison (Squash Club) and Wilfred Schultz (Cricket Club).

Male Volleyballers who may wish to play in the Newcastle and District Volleyball Winter Competition should contact Jock Armstrong at Extension 469.

SCHOLARSHIP

During the symposium the annual scholarship of $500 to Mr. opportunity was taken to have Dr. Graham Ingram, an honours student Ian Blayden, Exploration Branch in Geology whose thesis in Manager of the Coal Division of preparation is concerned with BP Australia Ltd. present their coal geology.

University Ski Club has a f. vacancies available during the weekend July 15, 16 and 17, at the Skilltrick School of Hill Skis, Adaminaby, Snowy Mountains. Cost for the two-d. workshop is $50 per person, and dinner, bed and breakfast, shared-rooms accommodation $32.50 per person per day. Interested persons are requested to contact Jock Armstrong at Extension 469 for further particulars.

University Ski Club will hold a 'Wine and Cheese Fun Night on Tuesday, June 7, at 6.30 pm in the Godfrey Tanner Room. Final arrangements for Ski Week, August 21 until August 28 will be discussed. Please bring along balance of accommodation fee, otherwise accommodation may be re-allocated.
OBITUARY

Aigis Lviniskis, Senior Lecturer in the Department of Psychology, died after a prolonged illness on the 26th April, 1983, just days before his 52nd birthday.

Born in Lithuania on 30th April, 1931, he shared the fate of many people who had to abandon their homes in the final stages of the Second World War and at the age of 14 or 15, found himself in a camp in northern Germany with many other refugees awaiting resettlement in various parts of the world. Aigis found his new home in Australia where he first lived in Perth and subsequently moved to Brisbane to marry Jurate Barzdis, a girl he had previously met in the Displaced Persons' Camp in 1945.

Starting in odd jobs as a bouser he went to evening classes to qualify as a welder, after which he entered on university studies, graduating from the University of Queensland in 1961. Originally, he intended to study Medicine but the long duration of the course and the considerable expenses required for it in those days were more than the young family man the first of his two daughters, Vida, had arrived by then could muster. The discipline of Psychology was to profit from this enforced change of direction.

Aigis began his professional and academic career as a Demonstrator in the Department of Psychology in Queensland and also worked as a Clinical Psychologist in the Psychiatry Clinic in Brisbane. He came to Newcastle as a Senior Demonstrator in 1963, became a Lecturer in 1969 and was promoted to Senior Lecturer in 1974. He was awarded two higher degrees by this University, the Master of Arts and the Doctor of Philosophy. His clinical interests continued throughout his academic life and he was, for six years, Honorary Psychologist at the Mater Hospital, Newcastle.

Most of the people who knew Dr. Lviniskis would have been aware of only some of the facets of his complex personality. He was a quiet and private man, never a boaster, but always a helper. A champion of students' welfare always, he will be remembered with individual affection by those students who worked with him in research and those whose knowledge was enriched by his teaching. Undergraduates and graduates alike will mourn his passing.

His contributions to Psychology in Australia were recognised in 1979 when he became a Fellow of the Australian Psychological Society for which he was a Foundation Member. During the two year-period 1979-80 he served as the President of the Newcastle Branch of the Society. He was also a member of several professional societies abroad, including the New York Academy of Science.

Dr. Lviniskis had an international reputation for his research in Developmental Psychology and won valuable assistance for the research effort of the Department from external funding agencies. His work on the measurement of stress response is recognised as basic by researchers in allied fields, such as psychophysiology, in the local community, his clinical contributions have done service to his fellow citizens and have served to grace the reputation of the University outside its academic boundaries.

Some of the personal courage and endurance of Aigis is seen in his response to his illness. Perhaps recognising the inevitability of the end, Aigis spent the last years of his life helping his family, to whom he was entirely devoted, his colleagues and his friends to accept and understand his condition. In this, as in all other ways, he was a good psychologist.

All who worked with him or knew him as a friend will remember him as a man of warmth and enthusiasm and of tremendous self-discipline and integrity — truly, a thoroughly decent, caring man.

He is greatly missed. The most sincere condolences go out from members of the Department and the University to Jurate, Vida, Marina and relatives of the late dear friend and colleague.

J.K., K.D., D.F. and B.F.

universities list

Copies of List of University Institutions in the Commonwealth are now available free from the Association of Commonwealth Universities in London, England. Requests should be accompanied by a stamped addressed foolscape envelope (UK) or two international reply coupons. Orders for larger quantities will be charged at cost price.

As well as full postal addresses the List gives the personal names of the executive heads of universities and of the officer at each to whom general enquiries should be addressed. It should be of practical use to those keeping international mailing lists, to admissions officers and others interested in universities abroad. Over 300 institutions are listed.

Donors are always required for Newcastle's Frozen Sperm Bank. This is used for the treatment of infertility by artificial insemination. Payment is offered ($15 per donation, $90 per course). Complete confidentiality is guaranteed. For further information please contact Sister Dot Kelly — telephone 20411 and ask for Extension 403 or you may care to contact Dr. David Kay at Extension 570.
People who hunt for comets are a rare and unusual breed for they must be possessed of remarkable patience and perseverance in that hundreds, or even thousands, of hours are spent in regularly scanning the dawn and evening skies for the elusive "ghosts" of the solar system without any guarantee of reward.

David Seargent, author of this book, will be awarded a Ph.D. degree on April 30. He is one of these rare people who have located a comet before anyone else and, while his competitors may be few in number, the competition, although friendly, is extremely keen. So Comet Seargent 1978 M will continue its elongated orbit of the sun, carrying its discoverer's name into the far future.

Seargent, who lives in the Gosford area, has written a book which conveys a love of, and a dedication to, his pursuit of comet hunting. One suspects that, although he is too modest to say so, he has only just missed first priority with a number of other comets.

His book is well written and well organised, with clear diagrams, excellent photographs and, most importantly, a good index. There are several useful tables, a number of helpful explanatory footnotes and four appendices. Each of the four main sections of the book and two of the appendices are followed by extensive references to relevant literature. The main sections deal in turn with the anatomy of comets; discoveries, orbits and origins; famous comets; and Halley's Comet.

There is some mathematics involved but nothing that would worry the average HSC student, although perhaps a good pocket calculator, or small home computer, would be handy. However, this should not deter you from reading the book, which, while written for the reasonably knowledgeable amateur astronomer, will prove interesting and informative to anyone seeking further information on this subject. One criticism is that the book is lacking basic information on how to approach comet observing -- such things as the choice of observation sites, methods and procedures of observations, and how to report any findings. This could be remedied by adding another appendix in future editions. Perhaps too Mr. Seargent could, with benefit, tell us a little more about himself. I feel that this would add interest to his book.

With the famous comet Halley due in 1985-86, there will be an increasing public interest in the subject of comets as the media starts to pay more attention to this phenomenon. To cover this, one of the sections of the book is devoted to that well-known comet. I recommend this book so that by 1985-86 you will be able to discuss intelligently what could then be the "in" subject.

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A New Orleans Fun and Food Night will be held in the Staff House on Sunday, May 29, commencing at 3 pm. Proceeds will go to the University's Radio Station, 2NUR-FM. The emphasis will be on fine food, "N'Orleans" style (red beans and rice, gumbo, jambalaya, with Grammew Flettrich's bread pudding, finish up with).

The food costs $12.50 per person. In traditional "N'Orleans" fashion guests will get "jagniappe" (something extra) -- a complimentary mint julep and a menu to imprint the occasion on your memory.

Numbers are limited. Send cheques to Sandy, C/- the Staff House. It will operate on a first come first accepted basis. The occasion is supported by the Staff House Committee and Mrs. Tredgold.

Dress in New Orleans style and win yourself a fancy door prize - a bunch of Mardi Gras beads.

Enquiries should be directed to Aub Everett (Extension 215) or Sandy (Extension 430).