Mr. Trevor Waring's first "Newton-John Award" was a note from the Vice-Principal granting him an extension of time to pay his fees. "That was in the pre-Whitlam years and we had to pay fees to come to university", he said on March 25.

Accepting the 1982 Newton-John Award from Convocation at a dinner in the Union, he said that he and others had set up the Newcastle Youth Service and life was a great struggle for him. "So, I made an appointment to see Professor Newton-John and approached him like Oliver Twist, asking for time to pay".

Mr. Waring, a 1972 B.A. graduate and a 1977 M.A. graduate who is now a Newcastle clinical psychologist attached to the Shortland Clinic, said that Professor Newton-John didn't want to talk about it -- "he just asked to sign the paper and asked me how I was going".

Referring to the actual award, a cylinder vase illustrated by local painter John Earle, Mr. Waring thanked Convocation very much and said it touched him quite deeply.

"It caused me to think back to the years when my wife, Helen, and I first came to Newcastle -- when things weren't quite as glamorous. Actually, the very first job I had was as a door opener in the Bloom Mill at the BHP. It lacked a great deal in intellectual stimulation and things had to get better. But, having left school at 15, that was all there was to do".

Mr. Waring completed the Leaving Certificate at Hamilton Evening College and concurrently helped set up the Youth Service. He said he could nominate "many, many" people who had helped him in his years with the Youth Service. Later, he had to line-up and go through his university studies, which proved to be of great value.

"When I came back from overseas, I wanted to do the clinical psychology degree, but I didn't have three years' psychology. I also had to have an honours degree. I went back and did the honours work and was told: Excuse me, but we have changed the course from a Diploma to a Master's degree and you will have to do a bit more".

Mr. Waring said, that as a psychologist he valued very much the encouragement and freedom he had been given by the administration at the Shortland Clinic to develop in his own direction.

He concluded by thanking Helen for her support during the period when times were difficult and when it might have been easier if he had bought a strawberry farm at Medowie.

The Immediate Past Warden of Convocation, Mr. Brian Relf, presented the award to Mr. Waring.
AWEUN Major issues

Amalgamation, the Academic Plan and Equal Employment Opportunity are some of the major areas of concern for women that have been actively addressed by the Association of Women Employees of the University (AWEUN).

According to the President of the Association, Mrs. Joy Hoelsl, who was re-elected for a new term at the recent annual general meeting, AWEUN hopes that liaison between women employees of the OAE and the University will continue to grow, although the threat of amalgamation appears to have passed.

AWEUN had prepared a submission on the Academic Plan voicing its concern regarding a number of points, the following ones being extremely disturbing vis-a-vis the position of women employees of the University:

- The intended cuts to part-time teaching would obviously disadvantage academic women, as the highest number of academic women are employed in this area, and

- Some suggestions in the Plan would throw a heavier workload on already heavily loaded administrative/keyboard staff, the majority of whom are women.

Mrs. Hoelsl, Secretary in the University Counselling Service, says the most important current issue is the implementation of an Equal Employment Opportunity policy at the University.

"As the implementation of Equal Opportunity is not a matter of choice for the University but a State Government requirement, the Association believes that action must be taken immediately. If it is not done through self-regulation, then it will be through State legislation.

"Before any meaningful steps can be taken, however, AWEUN and the Advisory Committee on Equal Opportunity set-up by the Council (ACEO) feel that an Equal Opportunity Officer, or Co-ordinator, must be appointed and a recommendation will be put to the Council", Mrs. Hoelsl says.

AWEUN's objectives are to change discriminatory attitudes to women so that they become unacceptable at the University and actively promote the interests of female employees of the University. The Association's primary concern, the President of AWEUN says, is with the social factors which result in the concentration of women in non-academic positions -- with only a small number of women in senior, or decision-making, areas. It is also concerned that if, and when, jobs go, women should not be disadvantaged out of proportion to their numbers.

Mrs. Joy Hoelsl, re-elected President of AWEUN, P.

Arthur Johnston.
Fellowship - Librarian

The awarding of a Fellowship of the Library Association of Australia to Mr. Edward (Ted) Flowers, University Librarian, honours a man described by the LAA as "a leading figure in the development of library services, library education, and debate on library issues in Australia".

Over a long career, including appointment as Deputy City Librarian at Newcastle Library and Shire Librarian at Lake Macquarie Library, Mr. Flowers has had a great impact on a number of areas of librarianship. For example, he was convener of the first major Library Association of Australia committee on standards for public libraries, resulting in the publication in 1972 of Interim Minimum Standards for Public Libraries. Ten years later he was commissioned by the Department of the Capital Territory to act as consultant on the future of staffing of the Canberra Public Library Service.

From 1973 to 1977 the ex-student of Newcastle Boys' High School acted as Library Consultant to the Kangan Commission considering the future direction of library services in technical and further education colleges. In 1980 Mr. Flowers was selected to assist the Committee enquiring into the possibility of establishing a university at Darwin.

In the development of library education, his contribution has been focused on the LAA Board of Examiners and Later Education, particularly in relation to library technicians.

In 1979 he chaired the Committee appointed by the Board of Advanced Education in Queensland to advise on desirable developments in library education in Queensland. One major theme in his writing has been his support for the leading role of the National Library of Australia and its importance in the development of a total library system for the country.

The Fellowship was awarded at a function in the LAA's headquarters in Sydney on March 18 attended by Mr. Flowers, his wife, Pat, his daughter, Rana, and many of his colleagues.

Mr. Barrie Mitcherson, President of the LAA and formerly one of Mr. Flowers' staff, delivered the citation and Mr. John Levitt, who worked for Mr. Flowers at Lake Macquarie Library, was one of those who attended.

Taxation

Attention all those who are about to retire or persons who are retired. The Department of Community Programmes is offering a seminar on Taxation and Retirement.

The seminar will deal with the Income Tax Assessment Act. Aspects such as the question of opting either a lump sum or a pension, the tax consequences of alternative investments, the assessability of sums received on and after retirement and provisional tax will be considered.

The presenter will be Lecter in Commerce Ian Wallischutsky who has made a special study of current taxation legislation as it affects retired people or those about to retire.

The seminar will be held in Lecture Theatre K202 on April 9 from 9.30 am until 12.30 pm.

* * *

Congratulations Ted. The University Librarian pictured with the President of the Library Association of Australia, Mr. Barrie Mitcheson. Photo: Brian Marsden.
A World Conference on Co-operative Education was held in Melbourne from February 21 to 25. It attracted delegations, many at a high level, from at least 15 different countries in North America, Europe, Asia and the Pacific Region.

Industry, Commerce, Government, Universities and other tertiary institutions were well represented. The host institution was Swinburne Institute of Technology, which worked in close association with the Royal Melbourne Institute of Technology, Footscray Institute of Technology and the New South Wales Institute of Technology to arrange a highly successful Conference. About 29 universities including one from Australia, and about 41 other tertiary institutions, including 17 from Australia, were represented at the Conference.

Professor R.G. Keats, who is Chairman of the Senate Committee investigating the possibility of introducing a Co-operative Education Programme incorporating year round teaching, represented this University at the Conference.

Professor Keats stated that he was greatly impressed by all features of the Conference and, especially, the enthusiasm for the concept of co-operative education which was very evident among the 250 or more registrants. The highly successful implementation of such Programmes in North America and the United Kingdom, he said, was emphasised by almost all speakers and persuasive reasons were given for their popularity with students and staff in tertiary institutions and also with most organisations which employ graduates.

Professor Keats said: "The growth in co-operative education in North America during the last decade has been spectacular; for example, in Canada, 22 universities and 15 other postsecondary institutions now offer co-operative programmes. Most of these 37 institutions have adopted the pattern set by the University of Waterloo by introducing year round teaching, three trimesters each year, in conjunction with the co-operative programme".

Co-operative education might be briefly defined, Professor Keats said as a process of education which formally integrates the student's academic study with work experience in co-operating employer organisations. The usual plan was for the student to alternate periods of study with experience in appropriate fields of business, industry, government, social services or the professions. The Senate Working Party was attracted by the implementation of such programmes at the University of Waterloo, where, typically, they involved trimesters of full-time study alternating with trimesters of work experience. In some disciplines, longer periods of continuous study and work experience might be appropriate.

Professor Keats noted that one other significant feature of the programme at the University of Waterloo emerged from discussions between the Working Party and Mr. B.A. McCallum, who spent many years at Waterloo developing these programmes. Mr. McCallum visited this University after attending the Melbourne Conference. He told the Working Party that, although industry-supported trainees might, of course, still study under a co-operative programme, such traineeships did not form the basis of the programme at Waterloo. In particular, the University, not the outside organisation, decided which students may enrol in the co-operative programme. Entry was on a competitive basis which ensured that the quality of student in the programme is maintained at a high level.

Outside organisations are asked to provide positions to be filled continuously by a succession of students enrolled in the co-operative programme and the linking of students to organisations is achieved at the University. At a certain time during each academic year representatives of participating organisations visit the University to speak with the students on their mutual interests; the student and the organisations then independently rank their favoured choices. These choices are matched as closely as possible by the University.

"There is no obligation on a student or an organisation", Professor Keats said, "to continue their first linkage throughout the programme; nor is there any obligation in respect of employment after graduation. However, in practice a large number of first linkages do persist. It appears that, at least in Canada, many more organisations wish to take part in this programme than would be interested in a programme based solely on traineeships*.

Professor Keats said it was impossible in a brief report to do justice to the concept of co-operative education. The Working Party had now studied a great deal of material which would form the basis of submissions to Faculty Boards, the Student Representative Council, the Staff Association and other interested bodies on the campus.

Material, including the Proceedings of the World Conference, is held by the Working Party; those wishing to study this material should contact its Chairman or its Secretary, Mr. G.D. Gordon (Extension 528).

*Professor Keats referred to a brief report which appeared in the Australian Education Review (April 1970) which described the feasibility of a co-operative programme; it was written by a Working Party to which he had been asked to contribute by the Senate Committee investigating the possibility of introducing a Co-operative Education Programme. A copy of this report is available from the Senate Committee.
Paul Tranter completed the University requirements for admission to the Degree of Doctor of Philosophy when he was a postgraduate student in Geography. With a thesis entitled Spatial and Temporal Factors in Urban Social Pathologies, Paul undertook research which could not have been done anywhere else in Australia other than the University of Newcastle, where Assoc. Professor Don Parkes has instigated the development of the field of Time Geography. He is now a Lecturer in Geography at the Royal Military College, Duntroon.

His Ph.D. thesis was concerned with the study of pathological events in Newcastle. A “pathological event” was taken to mean any event or situation which a society would regard as undesirable and which would, in some significant way, interfere with the everyday lives of the people involved. Examples of such pathological events include patients of various kinds, suicide, physiological breakdowns such as heart attacks, depression and loneliness. The focus of the study was on 24-hour rhythms in the occurrence of these pathological events -- referred to as pathology rhythms.

The aim of Paul Tranter's study was to describe and evaluate these pathology rhythms and to examine the geographical variability in the characteristics of these rhythms. These characteristics include the overall phase and amplitude of the rhythms as well as their complexity (the number and location of minor peaks).

Data were collected from the Hunter District Ambulance Service and a private welfare organisation which wishes to remain anonymous. The 24-hour rhythms of a number of pathological events (e.g. road accidents and domestic accidents) were analysed using curve-fitting techniques.

The analyses revealed significant differences in the characteristics of the rhythms, especially between areas in Newcastle which differed in socio-economic status or in family status. For instance, in areas characterised by people of low socio-economic status, or areas where many school-aged children lived, there were more domestic accidents occurring later in the day, at about 7 pm. For road accident rhythms, there were more road accidents in the period from 5 pm until 8 pm for areas with many low socio-economic status residents. There were also differences between the pathology rhythms for: school terms and school holidays; weekdays and weekends; and inner Newcastle and other Newcastle suburbs.

The explanation of the findings was based largely on the daily routines of the behaviour of people as well as the levels of constraint or flexibility in their routines. For instance, it was argued that in areas containing people with less flexible activity routines, pathological events would occur in "bursts" at a few "high-risk" times of the day.

While previous studies have shown that different areas within cities have different incidence rates of pathological events, this study has shown that different areas exhibit different 24-hour rhythms of pathological events.

The constitution of the Board of Trustees of the Community Child Care Centre provides that one Trustee shall be a member of the staff of the University appointed by the Council on the nomination of such staff.

A meeting will be held in Room ALG29 (McKinnon Building, lower ground floor) on Wednesday, April 6, at 1 pm for the purpose of nominating a member of staff for appointment for a period of two years.

Nominations will be taken and, if necessary, a secret ballot conducted at the meeting.

**Workshop**

There'll be no shortage of issues for consideration at the Television and Your Child workshop offered by the Department of Community Programmes and the Children's Television Advisory Panel of NBN3.

A variety of issues has been selected including the following: How much is too much television for children? Is there too much advertising, violence, sex on television? Who should control television? -- The station, the government, parents? What does the "C" classification mean? and Do children get a "poor deal" from television?

The participants in the workshop will be told that a number of changes have occurred over the last five years of children's television in Australia and the whole issue of television's role in the lives of children has been discussed and argued about. Are these changes for the better? What things still need to be done? Who should do them and what might be the consequences? Efforts will be made to resolve these questions.

**Television and Your Child** will be held on April 16 in the Mathematics Building.
The University of Newcastle Women's Group has donated $500 to the University to be used as a loan fund for postgraduate students.

The Vice-Principal, Professor K.R. Dutton, said that the fund would be of considerable value to postgraduates, who are not normally eligible for a loan from the University's Loan Fund. The new fund would supplement the W.F. Geyl Fund and the Australian Federation of University Women's Fund, both of which are available to postgraduate students.

The new fund, to be known as the University of Newcastle Women's Group Postgraduate Loan Fund, will be administered by the Student Loans Committee.

**MEDICAL APPOINTMENT**

The Vice-Chancellor, Professor D.W. George, announced the appointment of Dr. N.A. Saunders to the vacant Chair in Medicine in the University.

Since the resignation of Professor T.O. Morgan, the previous occupant of the Chair, Professor Saunders has been Acting Head of the discipline of Medicine.

Professor Saunders, who is 37 years of age, was educated at the University of Sydney where he graduated M.B., B.S., with First Class Honours in 1970. He attained his Membership of the Royal Australasian College of Physicians in 1975, followed by his Fellowship in 1976. In 1975, he obtained his Fellowship of the Royal College of Physicians, Canada and in 1980 he was awarded the degree of Doctor of Medicine of the University of Sydney for his thesis entitled "Chemical and Neuro-muscular Control of Breathing in Man".

Professor Saunders' earlier appointments include periods spent in Canada (McMaster University Medical Centre) and the USA (Harvard Medical School). He obtained his first clinical experience after graduation at the Royal North Hospital where he ended up as Clinical Superintendent. He has since returned to the Royal North Shore Hospital as Sandoz Guest Professor on two occasions (1977 and 1979).

Professor Saunders' research experience and interests here and overseas have lain in various aspects of breathing control, a major interest since his return to Australia being the investigation of neurochemical factors controlling ventilation in animals and man. He joined the University of Newcastle in 1978 as a Senior Lecturer in Medicine and has played a major part in the development of the innovative medical curriculum here.

The Vice-Chancellor commented that since coming to Newcastle, Professor Saunders has made a deep impression with his pedagogical and clinical skills, and that he is highly regarded both here and overseas. "His appointment to the Chair" said Professor George, "will be widely welcomed".

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**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, exclusive 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.

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The Friends of the University's first ceramic competition and exhibition was a successful function, more than $500 being raised towards new student accommodation. Mrs. S. Morris and Mrs. W. Kellerman, members of the organising committee, pictured with a sculpture by Peter Lafebre. Photo: Jan Walker.
To provide through mediation an improvement in the welfare and betterment of all postgraduate students is the objective of the new President of the Association of Postgraduate Students of the University of Newcastle, Mr. Roger Peters, who will be seeking.

Mr. Peters says the Association owes a vote of thanks to his friend and colleague, Mr. John Cowley, the Past President, who, with his faithful executive, brought about the inauguration of APSUN. John has provided the basic tools that will allow APSUN to be an active dynamic organisation in this University, he says.

The Association is making a quest to the Administration and Union for a "drop in place" for postgraduate students.

The Association is also keenly interested in getting representatives on Council and dates, Mr. Peters says.

"As APSUN represents some 800 postgraduates, we feel it imperative to have a voice in the running of this University. Maybe I am an optimist, but I expect an offer to be forthcoming from the Chancellor any day requesting us to provide representatives to the two University governing bodies!"

Mr. Peters has also raised a quest about the financing of his association.

"APSUN is funded entirely by a gentleman's agreement between APSUN and the SRC, and although this arrangement is satisfactory while the present President holds office, future Presidents may not be so co-operative. APSUN in 1983 will seek financial autonomy by the securing of funds directly from postgraduates' service fees", he says.

All these issues will be dealt with in 1983 according to Mr. Peters.

"I would like to assure the University of my support, with the only condition that decisions

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**Sport**

**CLASSES OF INSTRUCTION**

Colonial & Social Dancing in the Southern Cross Lounge on Wednesdays, 5 to 7 pm, **Trip the Light Fantastic!**

Tennis at the Tennis Complex on Wednesdays, 7 to 9 pm.

Photography Union (Michael Nelson Dark Room), Tuesdays, Noon to 1 pm.

Archery at No.1 Sports Oval, Wednesdays, 12.30 to 1.30 pm.

**CRICKET** -- University scored one win out of three in the district cricket finals on March 19 and 20.

The First Grade XI (207 runs) was defeated by Charlestown (8 for 320).

The Third Grade Team (159 runs) was defeated by Hamilton-Wickham (6 for 161).

The Fifth Grade XI scored 8 for 111 and was too strong for Merewether, which made 64.
DIARY

SUNDAY, APRIL 3
Wait Till You Have One of Your Own -- a new programme looking at childbirth, the alternatives, the issues, some emotions and experiences of new parents, 9 am (presented by radio 2NUR-FM on your FM dial).

WEDNESDAY, APRIL 6
Department of Mechanical Engineering Seminar. Topic: Iowa Revisited, speaker: Mr. J. Hayes, venue: ENG1 (Engineering Building EA), time: 9.15 am.

German Feature Film: Ende Einer Dienstfahrt (End of a Mission). Audio-Visual Room A132 (McMullin Building), Noon to 2 pm.

Lunch-time concert with Chris Freeman -- guitarist, playing anything from classical, flamenco, through to disco, rock and folk, 1 pm until 2 pm in the Courtyard of the Union.

THURSDAY, APRIL 7
Film -- Race for the Yankee Zephyr, Common Room, University Union.

Energy and the Quality of Life -- Four programmes with Professor Cliff Hooker, of the Philosophy Department, 4.15 pm. Issues include local oil supply, energy usage and house design, energy planning, and coal, nuclear, solar consequences. Enquiries: 68 5522.

FRIDAY, APRIL 8
Commencement of Communication and Personal Growth, a six week practical course at Nelson Bay, Friday mornings, 9.30 until 11.30 am. Enquiries: 68 5522.

SATURDAY, APRIL 9
Taxation and Retirement seminar at the University for people facing retirement, conducted by Ian Wallschutzky, 9.30 am until 12.30 pm. Enquiries: 68 5522.

SUNDAY, APRIL 10
Newcastle Film Society presents: City of Women -- Fellini, Italy, 1981.

TUESDAY, APRIL 12
Senior Foreign Affairs Representative in Sydney, Mr. E. Stevens will give a public talk on the life and work of a Foreign Affairs Officer in Room T29 (Temporary Building) at 10.30 am. All interested persons are most welcome to attend.

Department of Philosophy Seminar entitled "Epistamc Value". Guest speaker: Professor W.G. Lycan (University of North Carolina), 12.30 pm in Room A110 (McMullin Building).

Tansey's Fancy in the Courtyard, (unusual musical group from Sydney) Noon until 2 pm.

The Travel pass draw, 1 pm.

WEDNESDAY, APRIL 13

Recital by Mandolin Virtuoso, Mr. Keith Harris, (world acclaimed master of the classical mandolin) will be accompanied by Louise Johnson, Harp and Wolfgang Bargel, Guitar. The recital will be held in Function Room 3 of the City Hall at 8 pm. Tickets are available from: CIVL Theatre, University Union Agency and the CAE Students' Association Shop. Cost: $8 and $4 (students and pensioners with 1.01).

THURSDAY, APRIL 14
The Las Darcy Legend will be presented on radio 2NUR-FM (approx. 104 on your FM dial). Assoc. Professor Greg McMinn, History Department, examines the legend of Las Darcy in two programmes, Noon.

FILM: Le Cage Aux Folies II, Common Room, University Union.

FRIDAY, APRIL 15
Commencement of How Parents can Help Children to Overcome Reading Problems, a four-week course on Fridays at the Adult Education Centre at 9.30 am until 11.30 am. Enquiries 21 666.

Entertainment in the Bar featuring Profile (duo) commencing at 6.30 pm until 9.30 pm.

GRADUATION 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 G60 in the McMullin Building.

For further Information please telephone Extensions 328 or 213.

Advertisements

FOR SALE
APOLLO 2 21st MEN'S BIKE with alloy rims and 12 speed gears. This bike is only two months old and in like new condition. Must sell at $160 or near offer. Interested persons are requested to telephone 43 5305.

FOR RENT
Self-contained one bedroom flat and garage in the Georgetown area. Cost: $42 per week. Interested persons are requested to telephone 67 2297.