



## Little joy for Unis. in recommendations by TEC for 1979-81

The Tertiary Education Commission's report for the 1979-81 triennium sounds a pessimistic note for the financial future of universities and colleges, suggesting that they will have to find savings of about five per cent of their general recurrent expenditure in the next few years.

The Commission adds: '... it is desirable that some of the economies be made in the employment of staff'.

Volume one of the 1979-81 triennium report was tabled in Parliament on Thursday last week. It contains the Commission's recommendations on the allocation of recurrent and capital funds among the three sectors of tertiary education for 1979 and 1980 and advice to the Federal Government on guidelines for 1981. Volume two of the report, to be completed in August, will recommend programs of financial assistance for 1979 within the sums of money specified by the Government in the guidelines for the 1979-81 triennium which are expected to be available by May.

Since 1976, the Tertiary Education Commission's (TEC) report says, operating expenditure for universities and colleges of advanced education has been under severe constraints. Expansion of enrolments has been sharply contained and total student load is fast approaching zero growth. There are also the cumulative effects of incremental creep and other unavoidable costs which institutions face and for which there is no compensation under cost supplementation arrangements.

'These include costs resulting from changes in industrial conditions, liabilities for accrued long-service leave and increasing liability for non-funded superannuation payments. In addition, from the beginning of 1978, adjustments to grants for operating expenditure for increases in cost levels within the calendar year will be limited to the wages and salary components of the grants, so that the grants will be reduced in real terms to the extent of cost rises in non-salary items', the report says.

'The net effect of all the factors mentioned above is that, during the 1979-81 triennium, universities and colleges will have to find savings of the order of five per cent of general recurrent expenditure to meet the accumulated effects since 1975 of incremental creep and other unavoidable expenditure not compensated for under cost supplementation arrangements.

'The quantum of the required savings has been steadily mounting and has already put significant pressure on institutions; it will continue to do so over the next few years.

'The large component of recurrent expenditure which is committed to wages and salaries for permanent employees means that the savings have to be found over a relatively small fraction of the budget and this may force sharp economies in certain lines of expenditure. From the point of view of ensuring balance, it is desirable that some of the economies be made in the employment of staff. Indeed there is evidence that some institutions have already effected staff economies', the TEC report says.

'In their advice, both the Universities Council and the Advanced Education Council have referred to incremental creep and other unavoidable cost increases; both have sought additional funds to offset partially this effect. The Commission has given careful consideration to whether it would be justified in

recommending funds for this purpose. It has decided that the additional costs involved should continue to be absorbed by institutions.

'It believes that institutions should be able to rearrange their expenditures and modify their procedures so as to obtain improved efficiency in the use of their resources and thereby secure offsetting savings. Accordingly, the Commission has not included funds to meet these costs in its recommendations for the 1979-81 triennium.

'Similarly, the Commission has made no provision to offset the reduction in real recurrent income brought about by the lack of supplementation for increases in the costs of non-salary items within given calendar years', the report says.

'The restrictions on the level of funds have meant that neither the former Commissions nor the Councils have been able to allocate funds for new initiatives. As a result, some important developments have had to be deferred. This situation has been aggravated by the fact that first universities and then colleges of advanced education have entered a period of little or no growth in student numbers. Growth in student numbers carries with it a growth in funds; this has permitted institutions to finance development and change.

TABLE 4.9  
RECOMMENDED OPERATING/RECURRENT  
GRANTS BY SECTOR, 1979-81 (DECEMBER  
QUARTER 1977 COST LEVELS)

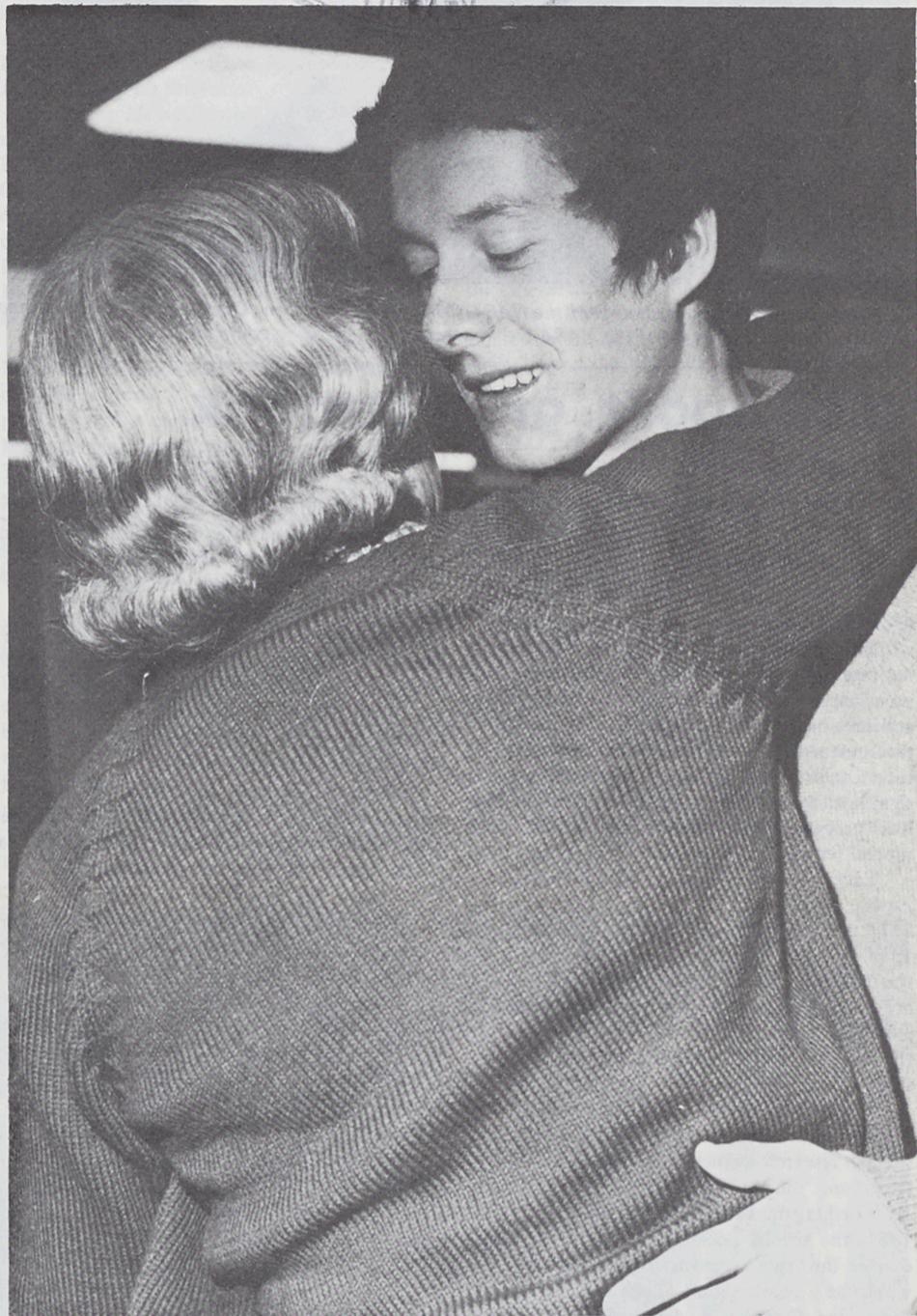
| Sector                                    | 1979  | 1980  | 1981  |
|---|-------|-------|-------|
|   | \$m   | \$m   | \$m   |
| Universities                              | 674   | 686   | 695   |
| Advanced Education                        | 432   | 439   | 444   |
| TAFE (Technical and<br>Further Education) | 50    | 54    | 58    |
| TOTAL                                     | 1,156 | 1,179 | 1,197 |

'Options are available as to the disposition of incremental funds which are not present in a 'no growth' situation, since almost all funds are committed to existing activities. As grants for operating expenditure for many of the institutions are now almost static, their capacity to initiate change by an internal shift of resources is limited.

'In the Commission's view it is essential to provide institutions with an element of flexibility in their budgets if they are to develop new activities and respond to changes in student preferences and community demands. Accordingly, the Commission has taken this factor into account in making its recommendations for operating expenditure for the university and the advanced education sectors for the 1979-81 triennium.

'In its advice for the 1979-81 triennium, the Universities Council (of the TEC) is proposing annual increases in operating expenditure of \$14.5 million, \$15.3 million and \$16.7 million for the years 1979, 1980 and 1981 respectively. The additional funds are to meet the basic requirements for operating expenditure resulting from the increase in student load which will occur during the triennium, to satisfy the continuing expenditure requirements of initiatives undertaken in previous years, and to support new developments not necessarily related directly to increases in student numbers', the TEC report continues.

'With respect to the last category, the Council points out that since 1975, the



A hug for mum, Mrs Kath Blakers and son, Andrew, is off on the danger-fraught adventure of a lifetime as a member of the ANU Mountaineering Club expedition to the Himalayas - Australia's first large-scale Himalayan expedition. There were emotional, tearful farewells at Canberra airport early on Tuesday morning as the main expedition party, like young men off to war, left for Sydney to catch their Air India flight to the Indian Himalayas. The 'war' will be fought about mid-May against 7066-metres Mt Dunagiri which will be attacked via its so-far unclimbed eastern ridge. More than three years of planning have gone into the 17-man expedition.

restraints on the level of funds available for operating expenditure have meant that many worthwhile academic developments have had to be deferred. The Council believes that several of the initiatives proposed in the Universities Commission's *Sixth Report* remain as areas of high priority. These are the expansion of the output of dental graduates; the development of teaching in clinical pharmacology; the development of teaching in rehabilitation medicine and the development of teaching in rehabilitation medicine and geriatrics; additional enrolments for Griffith University; and expansion of continuing education.

Accordingly, the Council has proposed that funds be provided so that these developments can be undertaken during the 1979-81 triennium. In addition, the Council is seeking funds to increase the level of the special research grants, to extend the availability of general development grants, to provide increased resources for libraries and to meet unavoidable cost increases.

'The Commission's attitude towards providing funds for unavoidable increases in expenditure is set out earlier. Although the Commission sees merit in the other proposals included in the

Council's advice it is unable to support the level of expenditure which would be entailed', the TEC report says.

'The level of funds which the Commission is recommending for the university sector for the 1979-81 triennium is set out in Table 4.9. The Commission considers it will enable existing activities to be maintained and will permit several of the proposals for new developments contained in the Council's advice to be implemented. The priority to be accorded each proposal and the scale on which each can be implemented given the level of expenditure being recommended by the Commission, will be matters for consideration by the Universities Council and the subject of further advice in volume two of the Commission's report for 1979-81.

'However, the Commission wishes to endorse in particular four specific proposals of the Universities Council; namely those relating to an expansion of the output of dental graduates, clinical pharmacology, rehabilitation medicine and additional funds for research. These proposals are set out in some detail in the advice of the Universities Council. The Commission also

Continued on page two



Supplied

Dr Harry Hyland (foreground) aboard the NASA C-141 Kuiper Airborne Observatory at Tullamarine Airport. At the left are two of the NASA crew operating the telescope controls.

## Harry Hyland flies high to get a new look at the LMC

Analysis of far infrared radiation readings made during two ANU researchers' flight into the upper atmosphere last year is providing the first coherent understanding of the physical processes occurring in the ionised regions of the Large Magellanic Cloud (LMC).

Dr Harry Hyland, Fellow in ANU's Department of Astronomy, RSPPhS, who participated in the joint US-Australian flights aboard the NASA Kuiper Airborne Observatory, says the successful measurements of the LMC represent the first detection of far infrared radiation from a region of star formation in another galaxy. This is particularly significant, he says, because the LMC provides a stepping stone between our understanding of physical processes in our galaxy and those in more distant systems.

Analysis of the data is being done in conjunction with radio observations made by other Australian astronomers.

The in-flight scientific team also included an ANU engineer, Mr Michael Ellis; Dr John Thomas and Dr Garry Robinson of the University of Melbourne; and three US scientists, M.W. Werner, E.E. Becklin and I. Gatley, from the California Institute of Technology. The eight-hour flights were made over three days and ran from Melbourne to Alice Springs and return in the C-141 aircraft of the US National Aeronautics and Space Administration.

Dr Hyland says the pre-flight period was as gruelling as each flight itself. Both Dr Hyland and Mr Ellis were given a course at the RAAF Academy in aviation medicine, including altitude chamber tests. They were subjected to depressurisation to 25 000 ft with the oxygen mask taken off for several minutes, resulting in a very uncomfortable feeling which

Dr Hyland described as 'hot and bothered'.

Precise timings for the experiments had to be observed in the plane to adhere to the flight plan. This meant abandoning an experiment if it was not finished within the time schedule — this in a very noisy environment and a plane without insulation, carrying 17–18 persons including crew.

The plane was fitted with a 91 cm telescope and flying at an altitude of 41 000 ft the team was able to carry out several experiments not possible from the ground based telescopes. Dr Hyland says that by flying over most of the water vapour in the atmosphere, it was possible to detect wavelengths around 100 microns which otherwise would be absorbed before reaching the earth's surface.

The experiment probed simultaneously both the brightness and temperature distribution of dust clouds warmed by the newly-formed stars. Portions of the dustier eastern end of the LMC were investigated and four distinct centres of far infrared emissions were detected. More than half of the observation time was dedicated to mapping the radiation from the giant *Tarantula Nebula*, 30 Doradus.

Dr Hyland says that in recent years there has been tremendous expansion in the discovery of complex molecules in which the southern hemisphere skies are particularly rich. 'It is an opportune time for Australia to get actively involved in such research', he says.

'These molecules exist in dense regions of space which are so cool that they emit only at far infrared wavelengths invisible to ground based observations. Airborne observations provide one of the few methods for uncovering the physical conditions within these regions.'

## TEC report: grim outlook

Continued from page one

believes that the case for additional funds for research is worthy of special comment.'

### RESEARCH FUNDS

In its advice the Universities Council presents data relating to trends in research expenditure within universities in recent years. The data indicate that the proportion of universities' recurrent expenditure devoted to research activities has steadily declined, that the ratio of total research expenditure from all sources to total recurrent expenditure has fallen significantly and that the total research expenditure per research worker has been steadily falling (in real terms).

'Except for small increases for the newer universities, the level of the special research grant for 1978 is at the same real level as the grant for 1973–75. This has been a contributing factor in the decline in research expenditure, relative to other expenditure. The Universities Council has expressed concern at this trend and believes that the level of general research activity in universities should be enhanced.

'Accordingly, the Council has proposed a substantial increase in the level of the existing special research grants for the 1979–81 triennium', the report says.

'Further, the Council has proposed that for 1981, the special research grants should be divided into two categories; Category A, which would be a continuation of the existing special grants and Category B, designed to develop concentrations of postgraduate training and research. The Council has suggested that additional funds should be made available in 1981 for the introduction of Category B type grants.

'The development of special postgraduate centres was suggested by the Universities Commission in its *Sixth Report*. In its *Report for the 1977–79 Triennium* the former Commission again commented on the importance it attached to this proposal but indicated that it could not give priority to this development in the context of the 1977–79 triennium.

'The Commission recognises the essential role research plays in universities and endorses the Council's comments that there is a need for some increase in the level of support for the research activities in universities to ameliorate the relative decline in research expenditure evident in recent years. Accordingly, the Commission has made provision in the funds it is recommending for universities for the 1979–81 triennium to enable the special research grants to be increased progressively over the triennium.

### CAPITAL EXPENDITURE

'Measured at constant December 1977 prices, the universities' capital program has fallen from \$68 million in 1975 to \$26 million in 1978. No new building projects were commenced in 1977 and none is planned for 1978 with the exception of a building to house student and staff facilities and administration at the Waurn Ponds campus of Deakin University. Since no new projects

(with the exception of Deakin) have been commenced for two years, the financial commitment to on-going projects is falling.

'In 1978, expenditure on continuing projects, other than minor works, is expected to be \$18.8 million out of a total capital program of \$25.8 million; the commitment to continuing major projects in 1979 will fall to around \$7.7 million. Thus, within a future program of the same order of magnitude as the 1978 program, there will be the capacity to commence construction on a number of major buildings after making reasonable provision for minor works.

'The Commission is persuaded that significant expenditure on major new buildings will be required in the university sector for some time to come, and it supports the resumption of a relatively modest new works program.

'Accordingly, in the recommended allocation of capital funds, the Commission is proposing capital grants for universities in 1979–81 at a level in real terms slightly above the level of expenditure for 1978, but at a significantly lower level than that requested by the Universities Council.'

### PROPOSED MODIFICATIONS TO TRIENNIAL ARRANGEMENTS

'In order to allow more time for consultation and for the deliberate consideration of longer term and other special issues, and to permit orderly planning and rationalisation in the use of resources, the Commission is proposing changes to the present triennial arrangements.

'Accordingly, the Commission proposes the following arrangements:

- the Commission should report on the necessity for financial assistance for tertiary education for a triennium at least one year before the triennium commences; (
- subsequently the Government should announce:
  - firm guidelines for the triennium for recurrent expenditure;
  - annually, a cash allocation for capital works;
- the Commission would then report before the beginning of the triennium on the allocation of recurrent grants for the three years and on the major capital projects in each of the three sectors recommended for commencement during the three years (subject to cash flow requirements);
- the annual expenditure to be permitted on capital works would be announced each year, and the Commission would, from time to time, announce those projects which might commence detailed design and then go to tender and construction in accordance with the approved annual expenditure; and
- all grants would be adjusted to the cost levels obtaining at the beginning of the year for the grants concerned. For recurrent grants there would be further adjustments within the year for changes in wages and salaries (i.e. the cost supplementation arrangements would be on the present basis).

### CONFERRING OF DEGREES 1978

The University will hold three conferring of degrees ceremonies in the Auditorium of the Canberra School of Music next Thursday and Friday.

On Thursday at 2pm, the Vice-Chancellor will confer degrees on graduands from the Faculty of Science, the Research Schools of Biological Sciences, Chemistry, Earth Sciences and Physical Sciences, and the John Curtin School of Medical Research. The honorary degree of Doctor of Science will be conferred on Dr D.F. Waterhouse of CSIRO, and the address will be given by Professor R.L. Martin, Vice-Chancellor of Monash University.

On Friday at 10am, the Chancellor will confer degrees on graduands from the Faculties of Asian Studies, Economics and Law, and from the Research Schools of Pacific Studies and Social Sciences. The honorary degree of Doctor of Laws will be conferred on Sir Leslie Melville, former Vice-Chancellor of the University, who will give the address.

On Friday at 2pm, the Chancellor will confer degrees on graduands from the Faculty of Arts, and the address will be given by Emeritus Professor Manning Clark, former Professor of Australian History and now Library Fellow in the University.

Refreshments will be served in Melville Hall after each of the ceremonies.

### CONVENORS FOR 'AUSTRALIA 1788–1988' PROJECT ANNOUNCED

The names of historians and social scientists who will help guide the project, 'Australia 1788–1988' to completion in time to mark the bicentenary of European settlement in this continent were announced today.

From Canberra, Sydney, Melbourne, Adelaide and Perth, they will take charge of work on 'Australia 1788–1988', a co-operative national enterprise which will offer students and general readers new understandings of our past, particularly our social history.

Dr Marian Aveling and Dr Alan Atkinson of the University of Western Australia have been appointed as convenors of a group study of what it was like to live in the Australia of 1838.

A study of Australia in 1888 is to be convened by Professor John McCarty and Dr J.M. Powell of Monash University and Dr Graeme Davison of Melbourne University.

Dr Peter Spearritt of Macquarie University and Dr Bill Gammage of the University of Adelaide are convenors of the volume on Australia in 1938. They are keen to have people

who were living in Australia that year set down on paper and tape their recollections of it.

Professor Geoffrey Blainey of Melbourne University and Professor John Mulvaney of the ANU are to convene a group of scholars in a wide variety of fields, from geology to anthropology, for a book about what happened in Australian history from the beginning of human settlement to 1788.

Professor F.K. Crowley of the University of New South Wales is to be general editor of a series of four reference books. They are a guide to printed and other sources, an historical atlas, a book of historical statistics, and a one volume encyclopedia or reference history designed for school library, study and living room.

Dr A.W. Martin of ANU is convenor of a group of social scientists which is discussing how best to write about the years from 1939 to 1988.

### THE AUSTRALIAN NATIONAL UNIVERSITY

#### ELECTION OF MEMBERS OF COUNCIL BY MEMBERS OF THE NON-ACADEMIC (GENERAL) STAFF – 1978

##### Notice to Voters

As a consequence of an irregularity in the voting paper previously issued and printed on white paper, I have declared this election void from that point in the proceedings immediately following the expiration of the time prescribed for the receipt of nominations.

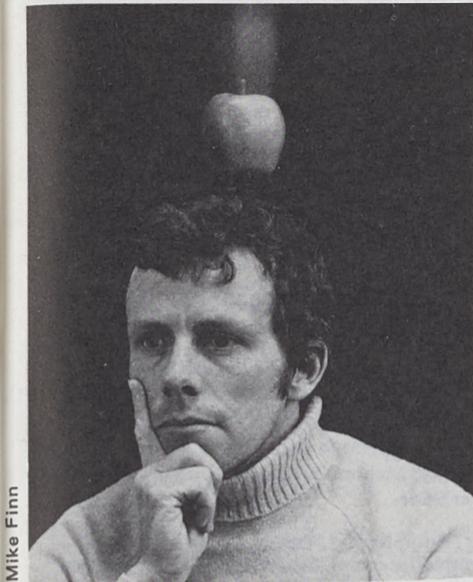
New voting papers have been issued and the election will now proceed in accordance with this Notice to Voters which is dated 30 March 1978.

Voting papers which have already been received in my office will be destroyed. Only those votes recorded on the yellow voting paper and returned to my office by 5pm on Monday 8 May 1978 will be counted in the election.

The envelopes addressed to the Returning Officer which are included with the issued voting papers have been stamped on the reverse for identification purposes. *It is imperative that this stamped envelope be used for the returning of the voting paper.* All documentation previously issued in respect of voting in this election should be destroyed.

— J.D. Brocklehurst  
Acting Registrar  
Returning Officer

# ANU designer scoops awards pool at Aust. book design comp.



The Head of ANU's Graphic Design Unit, Mr Adrian Young, was the most highly awarded designer of any entrant in the 1977-78 Book Design Awards sponsored by the Australian Book Publishers Association.

He received two commendations and two awards, including one as runner-up for the best designed book of the year for which he receives the \$500 Australian Book Publishers Association prize.

All four books designed and submitted by Mr Young received either commendations or awards. Three of them were published by ANU Press and the other by the National Library of Australia.

The book which won Mr Young the runner-

up award for the best designed book of the year was *Sanuki No Suke Nikki*, a translation of the Emperor Horikawa Diary by Jennifer Brewster. It was one of the books published by ANU Press.

The judges commented: 'Designed with attention to detail, and a typographic economy, this book succeeds in unobtrusively looking exactly right for its subject matter. The use of line rules to highlight chapter openers and also divide the diary itself from descriptive material is elegantly done. The centring of the lines of poetry is unusual and pleasant. The design and production quality is sustained throughout and even the illustrated jacket is an elegant, restrained and balanced design. Books of this standard are very rare indeed'.

Mr Young's award in the general non-fiction section was for *Letters of Vance and Nettie Palmer, 1915-1963*, selected and edited by Vivian Smith and published by the National Library of Australia.

The judges commented: 'Legible typography on a cream stock, a pleasant title page, and half title. The case blocking in silver on the spine and also blind on the front board is well thought out, and the care and integration of stock, jacket and case binding is praiseworthy. An excellent example of a book of this type'.

In the paperbacks section, Mr Young was commended for his design of ANU Press' *Rambles Around Canberra*, by Allan J. Mortlock and Gillian O'Loughlin.

'A guide well designed for easy reading', the judges said, 'with good clear maps and a handy format. We felt that a better choice of cover illustration could have been made. The one used lacked impact and interest'.

Mr Young's design of *New Guinea Vegetation*, edited by K. Pajmans and published by ANU Press, won him a commendation in the scholarly, scientific, technical and tertiary section of the design competition.

'Restrained well planned typography making a technical subject easy and pleasant to read. Even press work and well integrated illustration', commented the judges.

# The Middle East: 'Fifty-fifty chance of peace settlement'

'A fifty-fifty chance of a peace settlement' was the guarded response of Professor Moshe Ma'oz about the Middle East situation. 'But then, the outcome will also depend on factors emerging at any time in the United Nations, United States and other countries.'

Head of the Truman Institute of Political Studies, Hebrew University, Jerusalem, Professor Ma'oz recently completed a three-week lecture tour of Australia. He spoke mainly about the Middle East situation and about the chances and risks in the current peace negotiations. His visit, which included a seminar at ANU, was sponsored by the Friends of the Hebrew University and the Association of Australian Jewish Students.

Professor Ma'oz, Jewish by birth and nationality, is a specialist in Islamic history. He obtained his PhD in Islamic History from Oxford under the supervision of the distinguished historian of Arab descent, Professor Albert Hourani. Apart from being the Head of the Truman Institute, Professor Ma'oz is teaching professor of Islamic History in the Hebrew University.

Professor Ma'oz sees the Palestine Liberation Organisation (PLO) as the major obstacle to peace in the Middle East and the possibility of a compromise between Prime Minister Menachem Begin and the PLO leader Yasair Arafat as remote. However, his pessimism does not extend to a compromise between President Anwar Sadat and Mr Begin; nor does he rule out compromises between other Arab states and Israel.

Arab states, he says, will put Arab interests before the PLO. Without the PLO, the Palestine communities, too, will accept the realities of the situation and that is co-existence with Israel. 'But an examination of even the recent PLO statements and actions unequivocally demonstrates that its basic aim - to destroy the State of Israel - has not changed', Professor Ma'oz says.

'Even the most "moderate" PLO spokesmen maintain that their ultimate goal is one

Palestinian Arab State throughout Palestine. None of them is willing to compromise with the Zionist, or the Jewish character of Israel - that is to say, the right of self-determination of the Jewish population in Israel.'

Professor Ma'oz says the PLO leadership considers it vital to establish a Palestinian state or authority on the West Bank and the Gaza Strip: first, to prevent the transfer of these territories to the Jordan kingdom; and second, to forge a Palestinian national entity on parts of the Palestinian homeland, which would serve as a core for the future all-Palestinian Arab state.

'This need for a territorial base for the PLO on the West Bank and the Gaza Strip has become now more pressing than ever before as the PLO has lost its last outpost in Lebanon, with its relative freedom of action. The alternative options, to operate from Iran and/or Libya, seem ineffective and fruitless to the PLO leadership', says Professor Ma'oz.

The PLO would try to obtain control over the two territories by international pressure on Israel to withdraw from them and through a UN resolution asking Israel to hand over these territories to the PLO either immediately or after a period of UN trusteeship. And to overcome any US opposition to a Palestine state, the PLO might express a vague and indirect recognition of Israel, such as accepting the UN partition resolution of 1947 on condition that Israel fulfil this resolution as well as the December 1948 UN resolution about the return of Palestinian refugees to their homes inside Israel.

'Such a position is likely to gain support of most members of the UN General Assembly and Security Council, and even the US would possibly find it difficult to cast again its veto to block a proposal based on former UN resolutions. In this way the PLO would hope to create a Palestinian entity in parts of Palestine and simultaneously to undermine the status quo of Israel's legitimate existence within the 1949 boundaries', Professor Ma'oz says.

## ANU PUBLIC LECTURE SERIES OPENED

The second public lecture in the 'Australia's Connections' series will be given next Wednesday by Professor Paul Bourke, Professor of American Studies in the Flinders University of South Australia.

The series of three lectures, on changing patterns in Australia's cultural, political and economic relations with Europe, the United States and Japan, was opened on 12 April by Mr Stewart Harris, former staff correspondent of *The Times* (London) in Australia. The third and concluding lecture will be given on 26 April by the Japanese Ambassador to Australia, Mr Yoshio Okawara.

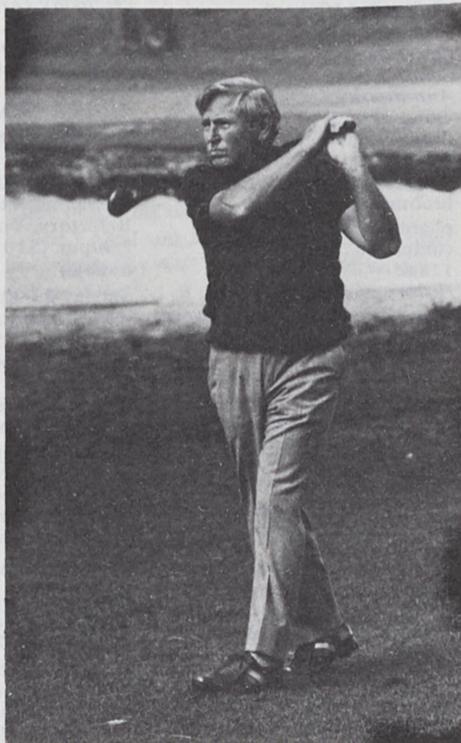
The speakers have been invited to present their personal views on the changes which have taken place in the links between Australia and the countries concerned, and to assess the significance of these changes, particularly for Australia. Each speaker, is approaching the topic in his own way and developing those aspects of the changing relationship which appear to him the most important or the more interesting.

The lectures are being held in the H.C. Coombs Lecture Theatre at 8.15pm.

## CONFERENCE HERE ON TRADITIONAL ASIAN MEDICINE

ANU will be the venue of an International Conference on Traditional Asian Medicine (ICTAM), in August next year, to discuss TAM's history, traditions, and integration into modern medical systems.

The convener of the organising committee, Professor A.L. Basham, Head of ANU's Department of Asian Civilizations, says the conference will be the first of its kind anywhere and reflects a growing interest in traditional Asian medicine in the world, particularly in Australia and at ANU. Delegates to the conference are expected from all over the world and will include practitioners of traditional Asian medicine.



Vlad Stojanovic

Above: With professional golfer determination, Acting Registrar, Mr John Brocklehurst, belts the ball to the green during the annual golf grudge match between Central Administration and the School of General Studies. Central Administration this year won back the trophy, a battered golf ball and divot encased in clear plastic. Top right: Members of the Research School of Biological Sciences last week went on an evaluation and study tour of the University's field station, the Edith and Joy London Foundation, on the NSW South Coast. It was the first visit by a Research School to the 348-hectare property. Pictured examining a cycad plant are (from left) Deidre Read, technician; Mike Adena, PhD scholar; Erica Winter, PhD scholar, and Dr Graham Webb.

Bottom right: To mark the centenary of the renowned poet, Iqbal, the Ambassador for Pakistan, Mr Riaz Piracha, recently presented a set of books to the ANU Library. Professor Ian Ross, Deputy Vice Chancellor, accepted the books on the University's behalf.



Adrian Gibbs



Vlad Stojanovic

# Classified

**Deadline for the next issue:**  
3pm Wednesday 19 April 1978.  
**Publication date:** Friday 28  
April 1978. Note item on  
charges for Reporter adver-  
tising on this page.

## For Sale

**Caravan**, Escort, 2 berth.  
\$1500. Jean Mulholland, Bruce  
Hall, 4675.  
**Dining table**, round, cedar, 44",  
2 seater sofa (Sanderson cover),  
3 occasional tables. 487003.  
**Knitting Machine**, Toyota K787,  
ribber, all attachments, pattern  
books, 11 months old. \$400.  
2630.  
**Movie Projector**, Bell & Howell,  
16mm complete speaker &  
transformer, Model 602. \$120.  
4692.  
**Oil heater**, flue, Vulcan, \$40;  
carpet squares: gold \$60; green/  
mauve \$25ea. 3267/811546.  
**Ski Boots**, one pair Garmont  
boots, size 6½, suit male or  
female, \$50. 541485.  
**Speakers**, hi-fi, AMW 440,  
suitable for amps 60-100 W, as  
new. 813817.  
**Stove**, Metters, exc cond.  
2786/496851.  
**Telescope** plus wedge, Celestron  
5, \$700; tripod with pan-head,  
\$120. Andrew Pickles 881111  
/480230.  
**Typewriter**, Royal 660, as new,  
12 months supply of ribbons,  
\$100. 2719.  
**House**, 4br, study, 1½ bath-  
rooms, workshop, adjoins park,  
10 mins ANU. \$49500.  
3226/411586.  
**House**, Giralang, 4br, 2 bath,  
family, etc, 17.9sq, native garden.  
\$45 000ono. 413496.

**House**, Hughes, 3br, sc flat,  
brick garage, estab garden, close  
schools/shops. \$42000. 812819,  
468317bh.

**Land**, Bermagui headland, fully  
serviced block, overlooks ocean,  
golf course, close shops. 2037.

**Land**, Surf Beach Estate,  
Batemans Bay, fully serviced,  
building block. \$6500ono.  
452241.

**Land**, Quaama near Bega, 40  
acres, garage, building permit,  
electricity available, permanent  
water. \$15 000ono. 813817.

**255 acres** near Bungendore,  
permanent water, cleared flats,  
timber. \$28 000, some vendor  
finance. 976238.

**Cortina**, 1970, unreg, big end  
needs attention. \$100. 583280.

**Datsun**, 180B sedan, manual,  
1700km, exc cond, radio. Lalit,  
3626, 25 Groom St, Hughes.

**Falcon 500**, 1976, low mileage,  
T bar auto, many extras. \$5000  
ono. 2141.

**Toyota Corolla**, late 1971, 9  
months reg, exc cond, radio,  
extras. Going overseas. \$1950.  
4026.

**VW Kombi**, part camper, 1969,  
new motor, gd cond. \$2100.  
Alan, 4168.

**Wanted**  
**Bicycle**, lady's pedal brake  
preferred. Peter 4446.

**Companion** for partly disabled  
young woman. Free accommo-  
dation in return housekeeping.

**Garage**, lock-up, May-July.  
2303/864280.  
**Maths tutor** for honours student.  
512339 after 6pm.

**Office Furniture/Stationery**.  
Canberra Environment Centre

needs office furniture and  
stationery, preferably free.  
473064.

**Tradesman** wants weekend  
concreting, competitive rates,  
satisfaction guaranteed. 486595  
after 6pm.

**Accommodation available**  
**Beach house**, Guerilla Bay, long  
let, sleeps 5, \$200 monthly,  
winter rate \$10 daily. 486231.

**House**, North Broulee, sleeps 5,  
400m from beach, open fire,  
no Christmas bookings yet.  
487162.

**Share house**, Watson, 1 or 2  
guys, from May. Cyilla (female)  
412726.

**Townhouse**, Torrens, 2br, May-  
July. 2303/864280.

**Public notices**  
**Modern Hebrew**, comprehensive  
3 month/evening course com-  
mences 2nd week April, Jewish  
Community Centre. 480719.

**Secretary**, Canberra and South-  
east Region Environment Centre  
Inc. needs to have a strong  
interest in environmental  
matters. Salary \$6394-7331pa,  
30 hours per week. Applications  
close 19 April 1978. Inquiries  
473064, applications to PO Box  
1875 Canberra City 2601.

**Typing done at home**, IBM  
Selectric, fast, accurate service,  
reasonable rates. 973409.

**Typing**, reasonable rates,  
efficient service. 863302.

**Thesis typing**, 470031.

**Typing**, IBM self-correcting  
machine, 10/12 pitch, theses,  
essays, etc, reasonable rates.  
881376.

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# Diary of events

The deadline is 3pm Wednes-  
day 19 April for the next issue  
which covers the period 1-14  
May. Diary items should be  
brief and written legibly and  
sent to ANU Reporter, Univer-  
sity Information. They cannot  
be accepted by telephone.

**Monday 17 April**  
**Psychology staff mtg.** Rm 206,  
Physics Bld, 3.30pm.

**Tuesday 18 April**  
**Far Eastern History sem.** K.  
Shum, 'Unity and struggle:  
the ascendancy of Mao's line on  
the United Front, 1939-1942'.  
Sem rm E, Coombs Bld, 11am.

**Physical & Theoretical Chem-  
istry sem.** Dr J.W. Kao, 'Semi-  
empirical molecular orbital  
calculations of atom-pair inter-  
actions in a molecule'. Rm 57,  
RSC, 11am.

**Philosophy (RSSH) sem.** F.  
Snare, 'Analysis of "rights" in  
recent literature'. Sem rm F,  
Coombs Bld, 11am.

**Biochemistry (JCSMR) sem.**  
Dr K. Alexander, 'Utilisation  
by E. coli of either an aerobic  
or an exclusively anaerobic path-  
way for the biosynthesis of  
ubiquinone'. Sem rm 1, JCSMR,  
1pm.

**Philosophy (RSSH) sem.** R.  
Routley, 'Relevant logic and  
their rivals'. Sem rm E, Coombs  
Bld, 2pm.

**Philosophy (RSSH) sem.** F.  
Johnson, 'A causal logic'. Sem  
rm E, Coombs Bld, 2pm.

**Political Science (RSSH) sem.**  
M. Dickenson, 'Political divi-  
sions in the Port Kembla  
branch of the FIA'. Sem rm D,  
Coombs Bld, 4pm.

**HRC sem.** Mr J. Graneek (previ-  
ously ANU Librarian), 'Dead  
Seascrollery: the state of the  
art in the 1970s'. HRC reading  
rm, Hope Bld, 4pm.

**ANU film group.** 'Seventh Seal'  
and 'Shame'. Coombs LT,  
7.30pm.

**Wednesday 19 April**  
**Visit by Universities Council of  
the Tertiary Education  
Commission.**

**Anthropology sem.** M. Reay,  
'Some aspects of Kuma (PNG)  
ritual'. Nadel rm, Coombs Bld,  
9.30am.

**Inorganic Chemistry sem.** Dr J.  
Broomhead, 'Inorganic  
pharmacology of platinum  
complexes'. Rm 134, RSC,  
11am.

**History of Ideas sem.** Prof. R.  
Rose, 'Direct democracy in the  
French Revolution-I'. Sem rm  
A, Coombs Bld, 11am.

**History (SCS) sem.** Mr G.  
Barratt, 'The 1807 visit to  
Sydney of the Neva'. Rm  
1133, Haydon-Allen Bld, 2pm.

**RSPHS colloquium.** Prof. J.  
Turner, 'Double-diffusive pro-  
cesses in fluids', Huxley LT,  
Computer Centre/Solid State  
Physics Bld, 4pm.

**RSC lecture.** Dr P. Donaldson,  
'Pack ice ain't nice'. RSC  
lecture theatre, 4pm.

**Public lecture.** Prof. P. Bourke  
(Flinders University), 'Aust-  
ralia's Connections—(with  
America)'. Coombs LT, 8.15pm.

**University House dinner**, hall,  
6.30pm.

**Thursday 20 April**  
**History (RSSH) sem.** K. Inglis,  
'Australian newspapers as

sources and subjects'. Sem rm  
G, Coombs Bld, 11am.

**Organic Chemistry (RSC, SGS,  
CSIRO) sem.** Mr P.J. Harrison,  
'From 220 below to 500 above  
—approaches to the synthesis  
of Isoindenes'. Rm 134, RSC,  
11am.

**International Relations sem.**  
Prof. G. Goodwin, 'Commodity  
problems in North/South  
relations'. Sem rm B, Coombs  
Bld, 11am.

**Conferring of Degrees  
ceremony** (Science, RSBS, RSC,  
RSES, JCSMR, RSPHS).  
School of Music, 2pm.

**Pacific & S E Asian History  
sem.** Prof. G. Barratt  
(Carleton University, Ottawa),  
'The Russian navy in the 19th  
century Pacific region'. Sem rm  
C, Coombs Bld, 2pm.

**Earth Sciences sem.** Dr R.  
Arculus, 'Silicate melts . . .  
progress and problems'. Sem  
rm, Jaeger Nld, 4pm.

**Graduation supper.** Hall of  
University House, 7pm.  
Enquiries to Master's Sec-  
retary).

**ANU film group.** 'Triumph of  
the Will' and 'Olympia'.  
Coombs Lt, 7.30pm.

**Friday 21 April**  
**Conferring of Degrees  
ceremony.** (Asian Studies,  
Economics, Law, RSPacS,  
RSSH). School of Music, 10am.

**Political Science (Arts) sem.**  
J. Zaracostas, 'The breakdown  
of crisis diplomacy: Cyprus  
1974'. Rm 1002, Arts III Bld,  
11am.

**Chinese film.** 'Mem-lung sha'.  
Coombs LT, 12noon.

**Development Studies discussion.**  
Dr R.T. Shand (Chairman),  
'Australia & the Pacific'. Sem  
rm A, Coombs Bld, 12.30pm.

**Experimental Pathology sem.**  
K. Narayan, 'Ionizing radiation  
induced injury'. Sem rm 1,  
JCSMR, 1pm.

**MADE sem.** Dr T. and V. Hall,  
'The changing Indonesian  
family and its implications for  
economic development'. Sem  
rm B, Coombs Bld, 2pm.

**Earth Sciences sem.** Dr J.  
Cleary, 'The structure of the  
upper mantle from SH arrivals'.  
Sem rm, Jaeger Bld, 4pm.

**ANU film group.** 'Just Before  
Nightfall' and 'La Rupture'.  
Coombs LT, 7.30pm.

**Friday 28 April**  
**Political Science (Arts) sem.**  
E. Chaples, 'Teaching quanti-  
tative research methods in  
political science'. Rm 1002,  
Arts III Bld, 11am.

**Chinese film.** The Bamboo  
Shoots that Grow in the House'.  
Coombs LT, 12noon.

**Experimental Pathology sem.**  
D. Willenborg, 'Control  
mechanisms in allergic  
encephalomyelitis'. Sem rm 1,  
JCSMR, 1pm.

**Saturday 29 April**  
**Chinese films.** 'The Bamboo  
Shoots that Grow in the House',  
'The Golden Wild Goose', etc.  
Coombs LT, 2.30pm.

**Sunday 30 April**  
**ANU film group.** 'Butley' and  
'The Entertainer'. Coombs  
LT, 1.30pm.

**Burgfilms.** 'Paper Moon'.  
Burgmann dining rm, 8pm.

**University House film.** '4000  
Horsemen'. Common rm,  
8.30pm.

**ON AIR EDUCATION BY 2XX**  
Radio 2XX is offering two new on-air courses in  
April.

**Let's speak Japanese** — A 26-week radio course  
for those wishing to learn Japanese. No  
previous knowledge of the language is  
required. Students who enrol will receive a  
set of notes. Tutorials and 'Japanese' evenings  
will be arranged during the course. The course  
is prepared by Radio NHK in Japan, and is  
recommended by the Australia-Japan Society  
and the ANU Japanese Club. Fee: \$5; 2XX  
subscribers: \$2. Listening times: Thursday  
11.30am, repeated Sunday 10.30am; starting  
Thursday 20 April.

It wasn't like that in my day . . . What's

happening in schools? — a 10-week series  
prepared by the University of Adelaide and  
designed to point up the changes in Australian  
schools during the last generation, using South  
Australia as a case study. Programs are co-  
ordinated by specialists in education and  
present the views of a wide range of people  
concerned with education today. Enrolled  
students receive a notes kit, providing back-  
ground material for the radio programs,  
reading lists and resource material. Fee: \$10;  
2XX subscribers: \$5. Listening times: Tuesday  
10.30am, repeated Thursday 10.30am; starting  
Tuesday 18 April.

Enrolment forms are available at 2XX,  
Kingsley Street, Acton, phone 49 4512.

with special reference to the  
Waiwai of southern Guiana'.  
Nadel rm, Coombs Bld, 9.30am.

**International Relations sem.**  
Prof. A. Burns, 'World political  
studies as current history: limi-  
tations and consequences'. Sem  
rm C, Coombs Bld, 11am.

**Inorganic Chemistry sem.**  
Dr I. Dance (University of NS  
NSW), 'Synthese, structures  
and reactions of metal thiolate  
complexes'. Rm 134, RSC,  
11am.

**History of Ideas sem.** Prof. R.  
Rose, 'Direct democracy in  
the French Revolution-II'. Sem  
rm A, Coombs Bld, 11am.

**University House dinner**, hall,  
6.30pm.

**Romance Languages French  
film.** 'Souvenirs d'en France'.  
Rm 1175, Dedman Bld, 8pm.

**Public lecture.** H.E. Mr Yoshio  
Okawara (Japanese Ambassador),  
'Australia's Connections—  
(with Japan)'. Coombs LT,  
8.15pm.

**Thursday 27 April**  
**History (RSSH) sem.** M.  
Thomas, 'Towards a regional  
history of Queensland's mid-  
west', and 'Social novelists'  
perception of political options  
for working men in England  
from the 1830s to the 1850s'.  
Sem rm G, Coombs Bld, at  
11am and 2pm respectively.

**International Relations sem.**  
Mr G. Jukes, 'Soviet policies  
in the Horn of Africa'. Sem  
rm B, Coombs Bld, 11am.

**Organic Chemistry (RSC,  
SGS, CSIRO) sem.** Dr K.  
Sakata, 'Chemical studies on  
Ezomycins'. Rm 134, RSC,  
11am.

**Biochemistry (JCSMR) sem.**  
Dr P. Board, 'The y glutamyl  
cycle and the control of  
gluathione concentrations in  
erythrocytes'. Sem rm 1,  
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**MADE sem.** Dr T. and V. Hall,  
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