TWENTY-five US high school students attended an astronomy-based science camp at the University of Wollongong's Science Centre recently.

The Americans, aged from 15 to 18, attended the camp with approximately the same number of local students.

The idea for this program came from the Harvard Smithsonian Observatory in Boston, USA.

The camp was held on Friday June 28, Saturday June 29, Tuesday July 2 and Wednesday July 3.

The program was made up of two hours of lectures each day, an experimental exercise each day and various social events.

Guest speakers included the deputy director of the Anglo Australian Observatory.

Part of the camp is derived from the newly-developed Harvard high school educational program 'Project Star, Science Teaching Though its Astronomical Roots'.

Dr Hal Coyle, who is one of the developers of this program, travelled with the US students.

As a result of discussions last year with Director of the Science Centre, Glen Moore, arrangements were made for a group of high school students to

ROOM 131 in the newly-completed Building 40 attracted overseas interest recently.

Jack Wentworth, Dean of the prestigious business school at Indiana University, was visiting this university to discuss student and staff exchange agreements.

He was impressed with the layout of the room and thought it was ideal to facilitate free exchange of views in discussion groups.

He has taken plans and photos back home to investigate the possibility of replicating it at Indiana University.

The room is used by the Faculty of Commerce as a tutorial room.
THE Friends of the University Graduates Group will hold the next monthly book sale on July 27 and 28 at their Campus East shop opposite the Science Centre, Fairy Meadow, from 1-5pm.

Mixed texts, fiction, sheet music and books for children will be available. The Friends also invite donations of unwanted material. Enquiries to (042) 29 1951 or (042) 61 2714.

THE Commonwealth Rehabilitation Service is holding a rehabilitation seminar on August 13 at Stewart Gardens, Wollongong.

Called Success for Women, the one-day seminar aims to encourage local women to use the service.

The seminar is aimed at women, employers, union representatives and women’s organisations.

The morning session, starting at 9am and dealing with women and rehabilitation, is open to the public.

From 2pm the seminar focuses on the role local industry can play in helping women return to work through rehabilitation. Enquiries: Julie Phillipson, tel. 26 0444.

THE Australian Research Council will visit the University on Monday August 5. Enquiries to: Lee-Anne Owen, ext. 3908.

A SUPERANNUATION information session for all staff will be held in Pentagon 1 on Wednesday July 31 from 12.30-1.30pm.

It does not matter which fund you contribute to or if you aren’t contributing to any superannuation fund - this forum is designed to help answer any general questions you may have regarding superannuation.

AGENDA deadlines for meetings of the University’s ethics committees are: Human Experimentation Ethics Committee: September 1, October 27 and December 7. Animal Experimentation Ethics Committee: June 14. and Biosafety Committee: September 1.

MORE than 40 Japanese senior school and college students are coming to Wollongong as part of an Australian Institute of International Understanding (AIIU) exchange.

A non-profit educational cultural exchange program AIIU will bring students to Wollongong in early October.

AIIU tutor co-ordinator Dorothy Friend said families were needed to look after the students during their short stay.

"All families are asked to provide a bed, not necessarily a room, three meals a day and to show a new friend our way of life," Mrs Friend said.

"It is not necessary to speak Japanese as the students wish to practise their English."

For more information on the exchange contact Dorothy Friend, tel. 28 1331 after 5pm weekdays.

THE University of Wollongong is supporting a free public seminar on menopause.

To be held at the Illawarra Performing Arts Centre at 7.30pm on August 5, the seminar is part of National Medical Research Week.

The main speaker will be Dr Rod Baber from the Royal North Shore Hospital Menopause Clinic.

Panelists will be Dr Jennie Gould, a general practitioner with an interest in the menopause, Chief Executive Officer, Illawarra Private Hospital, Ms Di Davies, and the University’s Professor Dennis Calvert.

THE University of Wollongong Club has arranged with the Union for the Bistro Bar to be opened from 4.30-7pm on Friday evenings from July 26.

Access will be via the Club Lounge initially. This information is provided for Club Members and their Guests.

Membership of the Club is open to all University Staff and Post-graduate Students. Associate Memberships are also available to non-University personnel.

For further information contact Maree Fryer, tel. 213413 or Ted Ross, tel. 213942.

Campus News is published weekly on Tuesday during Autumn and Spring sessions

Editor and Media Contact: Gillian Curtis
Telephone (042) 21 3110

Editorial Production: Kevin McDonald

Deadline for copy is noon on Monday of the week before that of publication

Material for Campus News should be sent by Microsoft Mail to Gillian Curtis, or left, preferably, on a Macintosh-formatted floppy disk, or on hard copy in the Campus News tray in Planning and Marketing Branch, Administration Building.

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ETF funds flow to Wollongong

THE University of Wollongong has fared well in the allocation of funds from the New South Wales Education and Training Foundation. This foundation was established to provide seed funding for innovative education and training projects. It is funded by NSW employers through the voluntary diversion of two percent of their existing payroll tax. Its role is to accelerate the range and quality of education and training available in NSW.

Priority is given to projects that involve a tripartite partnership between industry, education and training providers and the foundation. To date eight projects at this University have been successful in attracting grants:

- **Australian Training School for Advanced Manufacturing, Illawarra Technology Centre:** Industrial Computer Literacy for Shopfloor Personnel - $10,500; Manufacturing Certificate - $75,000; Fault Finding Electronics - $18,000
- **Centre for Information Technology Research, Illawarra Technology Centre:** Telecommunications Network Training Program - $725,000
- **Polymer Systems Technology:** Intensive Short Course in Environmental Monitoring
- **Department of Public Health and Nutrition:** Workplace Reskilling for Rural Based Mental Health Workers - $233,000
- **Department of Civil and Mining Engineering through the Illawarra Technology Corporation:** Digital Video in Interactive Computer-Based Simulation for the NSW Coal Industry - $177,000; Latent Images Training - $92,000.

The last two projects were the most recent to be approved. They were submitted jointly by the NSW Coal Association, the United Mineworkers Federation of Australia and the Illawarra Technology Centre.

Both of the projects are of great interest to the coal mining industry and will assist significantly with the introduction of multiskilling and career path development for mineworkers. It is expected that both projects will be completed by mid-1992. The key personnel involved are Associate Professor Bill Upfold, Dr Owen Barry (University of Newcastle), Graeme Lawery, Ian Piper and Ian Wright.

These projects have also been supported by: Wollongong TAFE; Mines Rescue Service NSW; Department of Minerals and Energy - Inspectorate; Workcover Authority.

Overseas students at Aboriginal Unit

TWO groups of overseas students recently visited the University's Aboriginal Education Unit to find out more about Aboriginal culture.

The newly-arrived students are enrolled in courses in the Spring Semester. One group was gaining an overview of Australian history and culture through a subject called Australian Society which is offered at the Wollongong English Language Centre.

The Wollongong English Language Centre specifically requested resources that would provide an accurate picture of the lifestyle of Aboriginal people in today's society.

The overseas students were shown both traditional artefacts and videos outlining current issues for Aboriginal people.

The second visit was organised by the International Office for overseas students who are participating in the exchange program.

Study Abroad Co-ordinator Trish Tindall saw the desire for information on contemporary and traditional Aboriginal culture as one of the most frequent requests by North American exchange students.

This program included a viewing of the Aboriginal art exhibition in the Long Gallery and a video discussion session in the Aboriginal Education Unit.

The students, from 25 universities in the US and the University of Warwick in Britain, are enrolled in several subjects and will study for up to two semesters in Wollongong.
CHAIR Extended is an exhibition curated by Pippa Pressey, a final year Bachelor of Creative Arts student majoring in textiles. The exhibition brings together the work of both past and present students from the School of Creative Arts. Each student was given the same brief: “take a chair and transform it”. They have produced unique and diverse art works.

Twenty-two chairs will be exhibited, some are for sale.

The exhibition was opened by the Head of the School of Creative Arts at the University of Wollongong, Professor Barry Conyngham, at Reptilia on show at the Illawarra Technology Centre, University of Wollongong, on July 26.

The exhibition will then be exhibited at the Illawarra Technology Centre, University of Wollongong and will be opened by Professor Lauchlan Chipman, Pro Vice-Chancellor of the University of Wollongong on July 5.

Enquiries: Pippa Pressey, tel. 21 3048, 21 3996 or 68 1132.

Electronic mail survey

The Information Technology and Communication (ITAC) Unit in the Faculty of Informatics has obtained a grant from Microsoft to study of the attitudes, behaviour and organisational changes associated with the introduction of Microsoft Mail on campus.

The study will document the introduction of the service, identify usage patterns and survey users and non-users.

Some of the issues to be addressed in the study include the problem of information overload, unwanted information and junk mail, privacy and the creation of an ‘information poor’ group who are not connected to the network.

ITAC Masters student Devi Alagiah will assist with the research under the supervision of Dr Pam Scott. It is hoped that members of staff will co-operate in the initial survey which will be via Microsoft Mail.
Public lecture series to continue

PROFESSOR Leon Kane-Maguire from the Department of Chemistry will give the next lecture in a public seminar series organised by the Graduate Faculty to highlight important research programs being conducted at the University - particularly those of interest to the lay person.

Professor Kane-Maguire’s lecture is entitled ‘Is God left-handed?’
This lecture surveys the impact of ‘handedness’ in nature, as well as in our every-day lives including sport.

Are left-handers more or less intelligent than right-handers? Why are important biochemicals such as proteins composed of building blocks all of the one (left) hand, when by the law of averages you would expect an equal number of left- and right-handed components?

The lecture concludes with a discussion of the importance of left- and right-handedness in medicine, with particular emphasis on drugs. Why is the one hand of a drug beneficial, while the other hand may be toxic?

Professor Kane-Maguire will describe his research aimed at preparing drugs in only the one desired hand.

This lecture will be held on Wednesday 31 July at 6.30pm in Pentagon 4. Ring Marilyn Yatras on 213943 if you would like to attend.

$1000 prizes in Union art awards

THE winners of the University of Wollongong Union’s annual acquisitive art award will be announced during Union Week from August 26-30.
This year the second time the award is being presented.
The award, this year called “Anything that hangs on a wall”, has two acquisitive awards totalling $1000.
First prize is $700 and runner-up is $300.
The award is restricted to students enrolled at the University, either undergraduates or post-graduates.
The maximum selling price of the work entered should not exceed $300.
The winners will be announced at a reception in the Bistro on August 26.
All entries will be on show in the Bistro during Union Week.

University of Wollongong Union
1991 Annual Board of Management Elections

Vacancies for Five Elected Members
1. Elections for the 1991-92 Board of Management will be held in accordance with Clause 6.2 of the Constitution on Wednesday, 14 and Thursday, 15 August, polling arrangements being as follows:
Union Hall: Wednesday, August 14 - 11am-6.30pm
Union Hall: Thursday, August 15 - 10am-5pm
2. The vacancies in accordance with Clause 6.1(b) of the Constitution:
“Ten persons elected by the members and life members of the Union for a period of two years such that five persons are elected each year. (Members of the Union Staff shall not be eligible for election or voting in this capacity unless they are also students or member of staff of the University or Life Members).”

are in respect of FIVE ELECTED PERSONS to serve for a period of two years who are members or life members of the Union (excluding Union Staff unless they are also students or member of staff of the University or Life Members). The retiring Board Members are: Craig Barratt, Stanley Bellgard, Joel Rasiah Thambipillai, Allan Soper, Karen Strang
3. Nominations from members and life members of the Union for these vacancies are now invited. They must be in writing on the prescribed form which may be obtained from the Union Office and must be signed by a nominator and a seconder, both of whom must be either members or life members of the Union (excluding Staff unless they are also students or member of staff of the University or Life Members).

4. Nominations close at noon on Monday, August 15, by which time completed nomination forms must be delivered by the candidate in person at the Union Office and a receipt obtained. Copies of the ‘Regulations Governing the Conduct of Elections’ are available from the Union Office.
5. There will be postal voting in accordance with Clause 8 iii) of the Regulations Governing the Conduct of Elections.
Registration for postal votes will open in conjunction with the announcement of polling arrangements and will close 24 hours prior to the opening of polling. Postal votes will have to be returned to the Returning Officer, C/- The Union Office, or polling booth by the official closing time of the polls. There will be no proxy voting allowed.
6. The draw for positions on the ballot paper will take place at 2pm in the Office of the Secretary Manager on Monday, August 15. All candidates are invited to be present.
7. The list of candidates will be published in the Union from Wednesday, August 7 onwards. These notices will contain full details of how the Polls will be conducted.
**Seminars**

**Department of Civil and Mining Engineering**

Postgraduate Research Seminar
July 25: T. Lu, Damping characteristics of reinforced concrete box beams. Chairman: Associate Professor Loo.
August 1: H. Kavooski, Unconventional composite beams. Chairman: Dr Wong.
12.30-1.10pm, Photogrammetry Room - Building 4, Room 138.
For additional information contact Dr Bafi (ext 3031)

**Department of Management**

Postgraduate Research Seminars
July 26: Dr Muayyad Jabri, In search of trade-offs between formalisation and organisational culture: a conceptual synthesis.
August 2: Professor Randy Ellis, Drake University USA, Using the marketing concept to develop human resource management strategy.
August 9: Dr A B Sim, Interrelationships of strategy and control system attributes. 12.30-1.10pm, Building 40, Room 130. Enquiries: Dr M Jabri, ext. 3647.

**Department of Mathematics**

August 1: Dr Deborah J. Street, University of UNSW, Optimal change-over designs, 1.30pm, Room 15.204.

**Department of Psychology**

July 30: Dr Steve Boucher, Department of Human Movement Science, The effects of aerobic training on cardiac reactivity to stress. 12.30-1.30pm Building 19, Room 1056.
August 20: David Roland, Canberra Institute of Arts, Can psychologists help musical performers manage performance anxiety? 12.30-1.30pm Building 19, Room 1056.

**Engineering Policy Program**

August 16: Associate Professor Malcolm Harris, Integration of management and motivation theory.
August 30: Professor Russell Linke, Performance Indicators in higher education.
September 6: Associate Professor John Hedberg, Information Technology and education organisation.
September 27: Dr John Patterson and Mr Gregg Rowland, Teachers and involvement in policy.
October 18: Professor Carla Fasano, Knowledge, ignorance and epistemic utility: Issues in the construction of indicator-system.
November 1: Ms Nita Temmerman, Perception of the music community about the role of the Australia Council Performing Arts Board.
November 14: Mr Ian Brown, Introduction of design education: Implication of educational policy.
All seminars will be held in building 21, room 101 at 12.30pm.

**Friends of the University**

July 25: Dr Ali Amir, visiting religious scholar, Clinical Registrar at Aligarh Muslim University, India, Islam has a universal appeal. Pentagon 1.7.30 pm
Dr Amir has lectured on Comparative Religious Studies incorporating Islam, Hinduism, Buddhism and Christianity, published articles on Spirituality and Universal Brotherhood and is actively involved in a number of religious, environmental, human rights and social organisations internationally.

**University of Sydney**

Key Centre of Design Quality
August 30: Professor Margaret Bowden, Sussex University, England, The creative mind: Myths and mechanisms. 1pm
September 20: Professor John Lansdown, Centre of Advanced Studies Computer-aided Art and Design School of Communication Design, Middlesex Polytechnic, Britain, Multi-media and hyper-media in design presentation. 6-8pm.
Both seminars will be held in Architecture Theatre 2, Wilkinson Building, 148 City Road, The University of Sydney.
Enquiries: Bronwyn Trathen, tel (02) 692 4031.

**Women in Engineering Network**

Engineering Lifestyles ’91 – a seminar/workshop for women students in engineering.
July 26 1-4.30pm Kemira Room, Union Building, University of Wollongong.
Research Funds

The sources of research funds given below are available to members of academic staff. Further information, including application forms, may be obtained from Lyndal Manton (ext. 3201). Intending applicants are reminded that all research applications must be forwarded through the Graduate Office.

Overseas training in research methods, including social and behavioural sciences. Candidates must hold appropriate qualifications (but not necessarily doctorate).

Australian Applied Health Sciences Fellowships - Australian training in research methods including social and behavioural sciences. Candidates must hold appropriate qualifications.

University closing date for all of the above is July 26. Externai closing date is July 31.

Publications Received at the Graduate Office

Australian Energy Research: Energy Research and Development Corporation June 1991 Newsletter Issue

AIDAB: Australian International Development Assistance Bureau Evaluation Series No's.8,9, and 10

Australian Wool Corporation: WRDC Priority Areas for Production Research

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Closing

The British Council Travel Grants Any Time

Publications

Library CD classes

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Advertisements

Due to the increased demand for this section, in future it will be available only to staff and present students. Anyone wishing to advertise must complete a form in Planning and Marketing, Administration Building. This advertisement will be run once. For a repeat it will be necessary to complete another form.

WORK WANTED

Copy-editing and proofreading. For professional and confidential editing of books, articles, reports, etc. Deborah Conyngham, 68 1183.

TO LET

Studio space available and/or accommodation in large 3br house set in unique rain forest location with large grounds and ocean views, close to amenities. $75 per week neg. plus bond and share expenses. Tel. Mira or Marcus 94 1473.

FOR SALE

Repco ladies bike, 10-speed, 27 inch, excellent condition, $120. Ext 3869.
**The Library** is running short classes until August 9 to provide instruction in the use of the Online Catalogue. Classes are scheduled for: Monday-Thursday: 10.30-11.30am and 2.30-3.30pm. Friday: 10.30-11.30am. 5.30pm classes will be held on Thursday July 25, Monday July 29, Wednesday July 31, Tuesday August 6, Thursday August 8. Those who feel confident with their Online Catalogue skills, yet need to fulfil the Library component of the University’s Computer Literacy Requirement, may complete a written test. This is available from the Information Desk in the Library.

**What’s On**

**Two staff forums** to discuss matters important to the development of the University are planned for the next month. The first is today (July 24) at 12.30pm in Pentagon 1. It will discuss planning objectives. On Wednesday August 14 at 12.30pm another forum will discuss equal opportunity and affirmative action issues relating to female staff.

**VISITING religious scholar**, Dr Ali Amir, the Clinical Registrar at Aligarh Muslim University, in India, is presenting a lecture on Islam on July 25 in Pentagon 1 at 7.30 pm. Dr Amir’s subject is *Islam has a universal appeal*. Dr Amir has lectured on Comparative Religious Studies incorporating Islam, Hinduism, Buddhism and Christianity, published articles on Spirituality and Universal Brotherhood and is actively involved in many religious, environmental, human rights and social organisations internationally. Enquiries: Dr Sultan Aly, tel. 96 2566 or Friends of the University 21 3110.

**Representatives** of the Australian Institute of Tertiary Education Administrators NSW Branch will visit the University of Wollongong on Friday (July 26). The visit is an opportunity to experience another University’s operations and approaches to current issues. The focus of the day will be individualised or small group sessions, matching participants’ interests with those of staff at Wollongong.


**The Illawarra Committee** for Overseas Students (ICOS) has announced its calendar of events for this year. The events are: July 27: Snowy Mountains (one day) $15 and $10. Tickets and details are available from the ICOS office in the Union Building next to the Careers and Appointments Service, Monday to Friday 9am-2pm. Tel (042) 21 3158 or ext. 3158..

**The Illawarra Performing Arts Centre** Guild Theatre is preparing for a season of ‘Annie’. Directed by Robert Peet, Annie has Peter Shepherd as musical director and Linda Shaw Wilson as choreographer. The season opens July 26 then July 27 (two shows), 28 (two shows), 30, 31, August 1, 2 and 3 (two shows).

**Open Day** - Sunday August 25.

**Postgraduate Open Day 1991** will be held on September 6. The purpose of the day is that members of the University community can learn about the range and quality of research being conducted on campus. Emphasis will be on either poster/display or short oral presentations. It is expected that only 10 oral presentations will be held. For any information contact Denise Stevens in Academic Services.

**The Australian and New Zealand History of Education Conference** will be held at the University of Wollongong, from October 3-6. All papers will be presented in Kemira Rooms and Union Board Room. The ANZHES Conference invites papers on the theme of biography and autobiography in the history of education. For more information contact Associate Professor N.J. Kyle, ANZHES Conference 1991, PO Box 1144, Wollongong, NSW, Australia 2500.

**Graduation Ceremonies** - October 10-11.