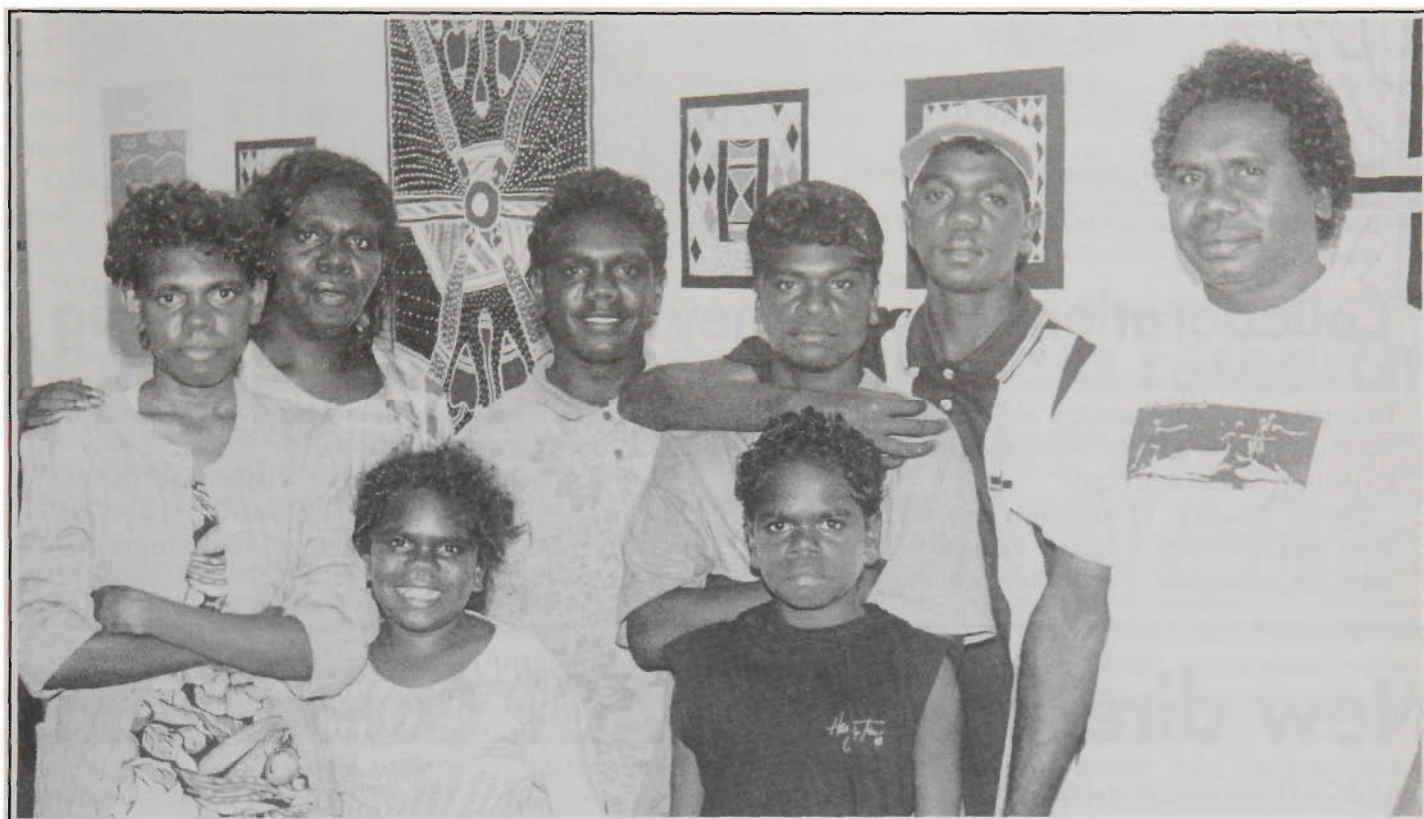


# CAMPUS NEWS

## Yirrkala artists in residence



*Yirrkala artists and family members with some of their works in the Long Gallery.*

Postgraduate and Summer Session students in the Faculty of Creative Arts had a rare opportunity to work with Yolngu artists from the Northern Territory during January.

The Faculty of Creative Arts hosted visits from well-known artists from the remote community of Yirrkala in

the Territory.

In residence during January were Dhangal Gurruwiwi and children, Libus and Lisa, and Wayalkpa Maymura.

Wityana Marika, former dancer and musician with the Yothu Yindi band was also in residence, with three

young men, Gaping Munungurr, Djalpat Munungurr and Watjurr Mununguritj.

Banduk Marika also arrived on 17 January for a week.

Banduk Marika is a print maker who has work in every national collection in the country.

She has been on the Board of the Australian National Gallery and the Bangarra Dance Company, and holds an Australia Council Fellowship.

Prints by many of the Yirrkala artists were on display at the Project Gallery in Keira Lane.

These visits, which are valued by University of Wollongong students and the artists, will continue until the middle of 1996 and possibly even after that if further funding can be found.

### Professor Robinson's appointment

The Deputy Vice-Chancellor, Professor Peter Robinson, has been appointed a member of the Australian Research Council and the Chair of the University-Industry Research Collaboration Committee.

As chair of the UIRCC, he also becomes a member of the ARC's Planning and Review Committee.

The ARC's mission is to provide advice on research funding and research policy, and to promote the conduct of research training of the highest quality for the benefit of the Australian community.



*Sydney University students Holly Cook and Fiona Herring receive guidance from Diana Wood-Conroy at the drawing workshop.*

## Collaboration with Sydney on archaeological dig

The Faculty of Creative Arts will join forces with the Department of Archaeology at Sydney University in the excavation of a Hellenistic Greek theatre at Paphos, Cyprus in March and April

During January, 12 members of the Paphos team from the University of Sydney came to Wollongong to learn the rudiments of archaeological drawing.

Diana Wood-Conroy, from the Faculty of Creative Arts, will be team manager and artist-in-residence for the six-week excavation season.

With her will be lecturer in Visual Art Theory, Lynn Brunet, and lecturer in Sculpture and doctoral student, Penny Harris, who are also working on the excavation.

## New directions for PAGE Consortium

The PAGE (Professional and Graduate Education) Consortium which provides postgraduate education in conjunction with SBS TV is to restructure its operations to boost its role as a major provider of professional and graduate continuing education in Australia.

The restructuring follows an independent assessment of PAGE's market potential and the provision of assistance totalling \$3,000,000 from the Department of Employment, Education and Training (DEET).

Chair of the PAGE Board, Professor Christine Ewan, welcomed the support of DEET for the venture and the commitment of the members and associates of PAGE.

The new consortium will have a sound business base, she said, and it will be easier for other universities, research centres and training organisations to affiliate with PAGE to de-

liver programs.

PAGE provides courses for manufacturers, education, public health, information technology and public organisations.

The consortium—entering its fourth year of operation—has announced it will move in stages from its course delivery via the SBS television network to a 'hybrid learning environment' involving desktop CD-ROM supported by on-line mail and tutorial services.

This will lead to a 'fully on-line learning environment' using broadband communications to deliver and support multimedia courseware.

PAGE will also be incorporated as a company with equity contributions from its members universities.

The new structure will be in place by April.

Professor Ewan also acknowledged the significant contribution made by

SBS, which had been strongly associated with the delivery of PAGE courses.

Television will remain a feature of graduate and continuing education programs, she said.

New streams to be introduced for 1996 will cover the health and manufacturing sectors.

Others being developed include information technology, environmental management and teacher education in the Japanese language.

This latter program is being developed in collaboration with the National Asian Languages and Studies in Australian Schools taskforce. It is supported by a separate grant of \$1,000,000.

Professor Ewan said students and universities will benefit from applying new media and communication technologies to support learning at home and in the workplace.

## More Creative Nation funding for Wollongong

The University has won a \$3 million Cooperative Multimedia Centre DEET grant under the Creative Nation Cultural Policy statement.

Four CMCs were announced this month and they join the two announced mid-year in the first round.

CMCs have been established to provide training for Australia's burgeoning multimedia industry.

Wollongong's CMC, called STARLIT, is a partnership with Central Queensland University, Griffith University, Oracle, Hewlett Packard and New Media Corporation.

The CMC will be headquartered in Brisbane and has four Centres of Competence:

Networking and Delivery at

Wollongong.

Instructional Design and Methodology at CQU.

Artistic and Cultural Content at Griffith.

Audiovisual and Interface Design at New Media.


The STARLIT CMC has 20 strategic partners with whom it will be working over the next three years including the ACTU, BHP Institute, Galileo, Telstra, Motorola, Australian Catholic University, University of Tasmania, OpenNet, University of Southern Queensland, Victorian University of Technology, PAGE, TEAME, ANU and OLA.

The latest grant is over three years.

Wollongong's bid was co-ordinated by Director of Educational Media

Services, Associate Professor Sandra Wills.

Wollongong also gained funding last year under the statement to produce a performance arts CD with a consortium which included the National Institute of Dramatic Art, the Sydney Opera House Trust, the Australian Opera and the Australian Ballet.

 **Director of Educational Media Services, Associate Professor Sandra Wills, recently received the Silver Core Award as a distinction for service to the International Federation for Information Processing for computers in education.**

## National network for multimedia research

A leading group of academic and industry-based researchers have formed the National Network for Interactive Multimedia Research.

The project partners Film Australia, Open Training and Education Network, University of Technology and the University of Wollongong, are committed to developing excellence in the Australian multimedia environment through leading-edge project-based research and development.

The network's research focus is on the links between creativity and educational excellence, research and evaluation, and the architecture, pedagogy and creative design of interac-

tive multimedia.

The network intends to extend its established national and international links to foster convergence with the partners' established interests in film, video, graphic design, music and creative writing.

Key members of each organisation include Associate Professor Shirley Alexander (Director of the Institute for Interactive Multimedia UTS), Professor Sharon Bell (Dean, Faculty of Creative Arts, UOW), Graeme Dobbs (Acting Director OTEN), Dr Frances Dyson (Faculty of Creative Arts, UOW), Associate Professor Barry Harper (Faculty of Education, UOW),

Associate Professor John Hedberg (Faculty of Education, UOW), Mr Bruce Moir (Managing Director, Film Australia), Associate Professor Chris Nash, (Dept of Social Communications and Journalism, UTS), Professor John Patterson (Dean, Faculty of Education, UOW), and Professor Shane Simpson (Technology Risk Management Centre).

The group sees itself as ideally placed to explore educational potential and pedagogy with innovative and creative players.

Its modest scale, simple structure and clear focus will foster high quality applied research outcomes.

### Review of Faculty of Creative Arts

In accordance with the University's review procedures for academic units, the Vice-Chancellor has initiated a review of the Faculty of Creative Arts.

The review will take place in April.

Submissions to the Review Panel are invited from the campus community and should reach Peter Wood, Academic and Student Services, by 29 February.

A copy of the procedures is available on the Administration File Server - refer to Section M of the Management Handbook in the 'Public Information - Public' folder.

### International award for technical paper

A technical paper, entitled 'Economics of Single Stage Treatment with Crossflow Microfiltration for Water Treatment Systems', has received the Technical Essay Award at the recent International Desalination Association (IDA) World Congress, held at Abu Dhabi, United Arab Republic.

This paper was authored by a faculty member in the Department of Civil and Mining Engineering, Dr H.B. Dharmappa, and co-authored by a faculty member in the School of Civil Engineering, University of Technology Sydney, Dr Prasanthi Hagare.

# Re-berth for Centre for Maritime Policy

The Centre for Maritime Policy has been transferred from the Illawarra Technology Centre to the Faculty of Arts.

Commodore Sam Bateman will continue as the Executive Director and Professor Ted Wolfers, Head of the Department of History and Politics, has been appointed as the Academic Director. The Centre has been in operation since 1994.

It has functioned with the support of an annual grant and the posting of a research fellow from the Royal Aus-

tralian Navy. Since its establishment, the Centre has been closely linked to the Faculty of Arts.

The Centre for Maritime Policy is already recognised as a significant contributor to research, teaching and the practical application of maritime policy in Australia and, increasingly, in the Indian Ocean and Asia-Pacific region.

Recently, the centre was successful with two proposals under the Australia and Asia Institutional Linkages Program 1995/1996.

This is the third year running that the Centre has been successful under this program.

The two projects are:

- Oceans Affairs: Maritime Boundary Delimitations and Joint Development Zones, in conjunction with the Philippines Center for Marine Affairs (grant of \$8500).

- Cooperative Peace and Security in the Indian Ocean, in conjunction with the Institute of Defence Studies and Analyses, New Delhi (grant \$18,000).

## Rare Vietnamese monograph presented to Library

Professor of Geology at the University of Hanoi, Professor Tong Dzuy-Thanh, has presented important publications to Associate Professor Tony Wright in the School of Geosciences.

Among these was a rare monograph by Professor Thanh titled *Les coelenteres du Devonien au Viet Nam. Part 1. Les coraux tabulatomorphes du Devonien au Nord Viet Nam* published in 1967 in the *Acta Scientiarum Vietnamicarum*.

Other important publications given to Associate Professor Wright include a volume on the *Characteristic Fossils in the North of Vietnam* (1980) presented by Dr Nguyen Duc Khoa of the Institute of Geology and Mineral Resources and the 1988 Russian language two-volume monograph *Devonian stratigraphy and Coelenterata of Vietnam* whose authors include Professor Thanh and Dr Khoa.

Associate Professor Wright attended an international symposium in November organised by the International Geological Correlation Program, on the *Geology of*



Associate Professor Tony Wright handing over the rare monograph to the University Librarian, Mr John Shipp

southeast Asia and adjacent areas.

The focus of the symposium was the break-up of the former supercontinent Gondwanaland.

He presented a paper on the *Devonian tetracorals of Padaukpin, Burma* and attended a field trip to the Thanh Hoa area south of Hanoi, in the Black River depression.

The University Council is responsible, under Act of Parliament, for overseeing the effective management and development of the University.

Council has 18 members and meets every second month beginning in February.

Council elections were held in December 1995 to elect members to five positions made vacant by the expiry of terms of office.

The successful candidates were:

Two members elected by Convocation: Ms Kerrie Christian and Mr John Steinke.

One member elected by academic staff: Ms Ann Hodgkinson (re-elected).

One member elected by general

## Council News

staff: Ms Felicity McGregor (re-elected).

One member elected by students: Ms Jo Kowalczyk.

The current members of Council and their terms of office are:

Ex Officio: The Hon Dr R M Hope, Chancellor (four-year term); Professor G R Sutton, Vice-Chancellor (for term of appointment to that office); Professor J Falk, Chair of Senate (for term of appointment to that office).

Parliamentary Members (until replaced by Parliament): The Hon Rev F Nile (appointed by NSW Legislative Council); Mr C Markham (appointed by NSW Legislative Assembly).

Members Appointed by NSW Minister for Education (four-year terms): Dr B Gillett, Chief Superintendent B Lawson, Mr R Oxley, Vacant.

Elected by Convocation (four-year terms): Ms S Nixon, Mr K Phipps, Ms K Christian, Mr J Steinke.

Elected by Academic Staff (three-year terms): Ms A Hodgkinson; Associate Professor M Lowrey.

Elected by General Staff (three-year term): Ms F McGregor.

Elected by Students (two-year term): Ms J Kowalczyk.

Appointed by Council (four-year term): Dr B Hickman.

Readers who have any queries about Council and its operations may contact Lynn Woodley in the Secretariat (ext. 3360).

# UOW contribution to Engineering Education



*Professor Bill Upfold, Dr Parvis Doulai and Mr Greg Naimo*

The Australasian Association for Engineering Education (AAEE) is a well established association with strong local, regional and international links.

It conducts, among other things, an annual convention and conference, and attracts many engineering deans, engineering educators, educational technology experts and support groups such as multimedia and academic staff development people from Australian and overseas tertiary teachings and continuing education institutions.

This year the AAEE conducted its seventh annual conference under the theme of 'Internationalisation of engineering education' where six keynote speakers including BHP corporate General Manager (External Affairs), the chair of the Australian Council of Engineering Deans, and the president of The Institution of Engineers, Australia made presentations.

The conference had two panel discussions:

- Internet/World Wide Web in support of engineering education, and
- Women in engineering.

The first was proposed, organised and chaired by Dr Parviz Doulai from the Department of Electrical and Computer Engineering.

The University of Wollongong presence at the AAEE was strengthened by the contributions of the academic director of the UOW Engineering Clearinghouse, Associate Professor Bill Upfold, and the director of Information Technology Services, Mr Greg Naimo.

They had short presentations, and answered the queries of the more than 80 conference delegates who attended the session.

The UOW Engineering Clearinghouse was the main topic of Associate Professor Upfold's presentation.

Mr Naimo discussed issues related to Australian Internet backbone, NSW future networking initiatives and new charging schemes.

A unique feature of this panel discussion was its 30-minute demonstration conducted before the panelists' short presentations.

Power Point and Netscape environments were used to introduce the World Wide Web not only as a tool to explore the information super-highway but also as an emerging educational tool.

The Power Point presentation mainly covered a short history of the Internet and Web.

The Netscape (HTML) presentation intended to illustrate features and capabilities of the hypermedia environ-

ments when used as an educational delivery tool.

This allowed the incorporation of diverse media files such as audio, video, animation and text into the presentation in a meaningful and structured way.

Early in 1995, Dr Doulai conducted 12 seminars on the use of Internet/Web tools and resources for tertiary teaching and research at different universities.

He is involved with a collaborative publishing engineering resources on Web.

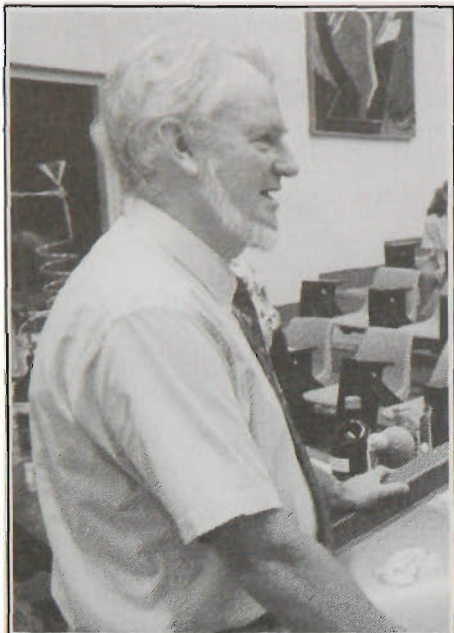
The project uses Web and Internet to exchange material among content authors from five Australian and overseas universities.

Dr Doulai is a member of the steering committee of the IEEE second International Conference on Multimedia in Education that will be held in Melbourne in July 1996.

He will present a six-hour tutorial session on the 'Development of Computational Hypermedia Environments' during this conference.

Dr Doulai is willing to share his experience on using Internet/Web for teaching purposes with other interested staff member across the campus.

He is also available to run his presentations for different faculties.



*Still active in spite of retirement, Professor Murray Wilson gave the welcome address at the Siemens Science School held over summer.*

## Professor Murray Wilson retires

Professor Murray Wilson, who has been a very popular and effective Dean of Science for the last four years, retired at the end of last year.

He was appointed as the Foundation Professor of Geography in December 1973, and in the last 22 years made a major contribution to the development of the department, two faculties and the University of Wollongong.

Always a strong defender of academic standards and student welfare, Professor Wilson was appointed as the inaugural Dean of Students in 1986, a position he filled with distinction for five years before taking up his current post as Dean of Science.

Professor Wilson will also be remembered widely for his typically incisive, constructive and humorous contributions to debate in various University forums, especially Senate.

The dedication and consummate fairness with which he carried out his role as Dean of Science earned him universal respect.

In recognition of his contributions, Professor Wilson has been honoured with the award of an Emeritus Professorship and a Student Prize in Human Geography.

Staff of the Faculty of Science are delighted that he will maintain his link with the University in 1996 as an Honorary Professorial Fellow in the School of Geosciences, where he will continue to contribute to teaching and research.

## Colin Markham joins Illawarra workplace industrial relations project

The Illawarra workplace industrial relations project, initiated by the University of Wollongong's Labour Market and Regional Studies Centre, was launched on 18 December.

The project's steering committee held its inaugural meeting on that day, chaired by the project director, Associate Professor Ray Markey (Department of Economics).

Representatives from Australian Business Limited, the Australian Department of Industrial Relations, BHP, Illawarra Region of Councils, The Illawarra Regional Information Service, Illawarra Regional Economic Development Organisation, the South

Coast Labour Council, NSW Department of Business and Regional Development, Metal Trades Industry Association and the Illawarra Regional Economic Development Board also attended.

The meeting unanimously decided to invite the Member for Keira in the NSW Parliament, Mr Colin Markham, to join, and he has enthusiastically accepted the invitation.

This project will survey 300 firms during May-July 1996, paralleling a national survey in 1995.

This will provide hard data on regional industrial relations for the first time, enabling a direct comparison

with the rest of Australia and the opportunity to test the Illawarra stereotype of poor industrial relations and militant unionism.

This stereotypical image has been regularly identified as a disincentive for investment in the Illawarra by every report on regional economic development for the last 20 years.

Professor Markey predicts that the facts may not easily confirm this stereotype, but even if they do, they will indicate where the problems are and how best to address them.

In this way the survey will be a major contributor to best practice in business in the region.

As the NSW Parliamentary Secretary for the Illawarra, Mr Markham is well placed to play an invaluable role in supporting the project, especially in liaising with the State Government.

He has a long interest and involvement in industrial relations.

His first major task will be to lobby the State Government, and particularly the Minister for Industrial Relations, Mr Jeff Shaw, for financial support.

The University has contributed \$55,000 to initiate the project, but a further \$115,000 will be needed from other sources, including State and Federal governments, to complete it.

### Call for nominations for Ethel Hayton award

Nominations are invited for the Ethel Hayton Trophy.

Eligibility criteria extends to a unit or staff member (full-time or part-time), or a member of the community who, in the last year, has initiated a notable activity or activities which enhanced community support for the university.

The nominees for the trophy award will be interviewed by a member of the Friends of the University Board who will then prepare citations.

Senior representatives of the local media will consider the nominations and recommend to the Vice-Chancellor the citation for the award of the trophy which will be presented on University Day, 6 May 1996.

Nominations close Friday 1 March and should be submitted to the Friends Office (level three, Union Building).

Enquiries: ext. 3169 or 3073.



*Dr Michael Ferry (Department of Materials Engineering) demonstrating techniques in engineering to some of the participants in the Girls in Engineering Summer School*

## The campus was buzzing over summer

More than 1000 students attended Summer Session courses at the University of Wollongong when most campuses are deserted.

Wollongong was the first university to introduce a Summer Session.

It has been offered since the early '80s and these intensive courses give students the opportunity to fast-track their degrees or undertake extra courses that may help them with their career ambitions.

Further activities were underway during December and January including several conferences.

The Department of Electrical and Computer Engineering held its very successful annual introductory engineering course for Year 10 high school students from around the state.

Sixty-five students with good maths results came from as far away as Bro-

ken Hill to spend a week in the department's laboratory on many different activities covering most areas of electrical, computer and telecommunications engineering.

This required a large effort from many staff and postgraduate students throughout the department. The courses are organised by Peter Costigan.

The Fifth Annual Siemens Science School for students going into Year 10 this year also ran at the University from 16-18 January.

More than 50 students from across the state attended.

The Faculty of Engineering hosted the fifth annual Girls in Engineering Summer School (GISS) in January.

The GISS is an initiative of the Faculty of Engineering to attract and retain females in a non-traditional area

of study and career choice.

Applications to attend the GISS were received from girls entering Year 11 this year who were able to demonstrate an interest in finding out more about engineering as a career.

Sixty two girls attended the GISS from Illawarra, Sydney, ACT and country NSW schools.

Girls travelled long distances from places such as Lithgow, Bathurst, Griffith, Yass, Tenterfield, Glen Innes, Orange, Cowra, Moruya and Temora to participate in organised activities at the University.

### What's On

#### General

Meeting dates for the Human Research Ethics Committee and the Animal Ethics Committee for this year are: Human Research Ethics Committee: 20 February, 19 March, 23 April, 21 May, 23 July, 20 August, 22 October, 19 November, 17 December. Animal Ethics Committee: 21 February, 22 May, 21 August, 20 November. Agenda items are due two weeks before meetings. Enquiries Karen McRae, Office of Research, by email or on ext. 4457 on Tuesday, Wednesday or Thursday.

**Campus News is published weekly on Wednesdays. Send material, preferably by Microsoft Mail or on disk, to E-Mail account 'Campus News' by noon on Monday of the week before that of publication.**

**For any other enquiries contact the Editor, Gillian Curtis (042) 21 3926.**

**Campus News has a circulation of 3000. It is distributed on campus to staff and students. 1000 are mailed to the community and overseas including schools in Illawarra, southern Sydney and Canberra; local, Sydney and Canberra media; Friends of the University; business representatives; MPs and numerous individual requests.**

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