Author Louis Nowra to speak on Open Day

One of Australia’s best-known and most distinguished playwrights has accepted an invitation to attend the University’s Open Day on Sunday 27 August.

Louis Nowra, author of close to 30 plays, filmscripts, novels and short stories, will discuss his recent box-office success, Così.

Così mixes fact, fiction and autobiography to examine the strains of interpersonal relationships as they take place in the Vietnam era.

Così is the partially autobiographical account of a young man’s attempt to direct an adaptation of Mozart’s opera Così fan Tutte.

The opera is difficult enough for a professional company to mount, but Nowra’s cast is a group of misfits from a local asylum which includes a near-mute former lawyer, a knife-wielding romantic, a lithium-addicted pianist who hates Mozart and a pyromaniac intent on gutting the main venue.

Needless to say the play is a high energy, comical triumph.

Shooting for a film of the play has just been completed which features an all-star ensemble cast including Barry Otto, Colin Friers, Ben Mendelsohn and Jacki Weaver.

The visit, which is part of the Department of English’s Open Day activities, has been arranged by Dr Gerry Turcotte.

A long-time friend of the playwright, Dr Turcotte has also published extensively on Mr Nowra’s work, and has written the introductions to two of his most critically acclaimed plays, The Golden Age and Così.

He got the idea to invite Mr Nowra after he was flooded with requests from local high schools for information and background on Così which is an HSC text this year.

Teachers, noticing Dr Turcotte’s and the University’s name on the introduction, naturally wanted more detail on the play, which is deceptively accessible, but also rich and demanding.

As a result, the Department of English will be offering a workshop on the play during its annual HSC study day later in the year.

A visit from the author is bound to be of even greater interest, both to students and teachers, as well as to the wider community itself.

Dr Turcotte said: ‘I hope we can attract a diverse audience for a playwright who has always attempted to speak to a wide cross-section of the community.’

Mr Nowra will be speaking at 1.30pm on Open Day, in the Kemira Room, Union Building (Bld 11) First Floor.
South Coast trip follows Canadian exchange

After a successful exchange to Calgary, Canada in 1994 by a group of South Coast educators including University of Wollongong staff, local teachers and office staff, a return exchange group of Calgarians recently visited local schools, the University, Sydney, Canberra, an aboriginal site at Nowra and attended numerous functions throughout the region.

They enjoyed all the aspects of the exchange including the opportunity to be involved with students from Port Kembla High School on a trip to the Mt Kembla Field Studies Centre.

The University was a popular venue for many visits during the exchange.

The group, their hosts and guests attended an interactive multimedia conference where the Canadians had the opportunity to play with the ‘Investigating Lake Illuka’ and ‘Exploring the Nardoo’ CD packages.

It was an ideal opportunity to foster relationships between Canadian and Australian universities.

Host, South Coast Region Integration Officer, Ms Jan Woodward, said the Canadians and Australians found that the similarities between the two education systems were much greater than the differences.

Exchange participant and Wollongong University lecturer, Mr Stan Warren, said the Canadians were impressed by the broad-based assessment procedures used in Australian schools and particularly by the Framework materials developed at the University by Brian Cambourne and Jan Turbill.

Feedback from all involved was positive and the exchange was described as beneficial for everyone.

Further exchanges are being looked into, possibly in different areas of NSW.

Attacking authentication protocols

Username and password are familiar means of controlling access to computer systems.

However, the level of protection thus achieved is diminished considerably when passwords are transmitted in clear over networks, as is still the case in many installations.

To increase security, cryptographic techniques are employed in authentication protocols.

Such protocols have been standardised, for example, by ISO, OSF and the Internet community.

Many more protocols have been proposed and, despite their deceptively simple structure, many have been found to be flawed, often only years after publication.

Some protocols which have been successfully attacked will be discussed at a Distinguished Visitor Seminar in the Department of Computer Science to illustrate this point.

The seminar, entitled Attacking Authentication Protocols, will be held on 18 August from 1-2.30pm in 67.107 in the McKinnon Building.

The speaker, Mr Dieter Gollman, will argue that often the precise goals of these protocols are not clearly appreciated and give several interpretations of the meaning of ‘authentication’.

With these definitions, the attacks will be re-examined arriving at the surprising result that some may be no attack after all.

Mr Gollmann is from the Department of Computer Science, University of London.

He is Austrian and his qualifications are in engineering mathematics.

In 1991, he was awarded the ‘venia legendi’ for Computer Science at the University of Karlsruhe and in 1992 he was promoted to Reader at Royal Holloway, where he is the course director for the MSc in Information Security.

He has been involved in several national and European research projects on security, in Germany and the UK, and is the principal investigator in three EPSRC funded projects in the area of safety-critical systems.

He has published more than 40 research papers in the areas of cryptography, computer security and algorithm engineering and has repeatedly served on the programme committees of the main European research conferences on cryptography and computer security.

BUSINESS AND ECONOMIC DEVELOPMENT IN MIDDLE EASTERN AND MEDITERRANEAN COUNTRIES

Sydney 7-9 November 1995

Following their highly successful conference on Islamic Banking, the International Business Research Group at the University of Wollongong is holding this conference to explore the research relevant to Middle Eastern and Mediterranean countries.

The conference is being organised in conjunction with the Australian Association for Middle East Economic Research (AMEER), an independent body established to advance the scientific and economic frontiers of Middle East countries and to enhance academic relationships with Australia, New Zealand and neighbouring countries.

Venue: The University Centre, 210 Clarence St Sydney Deadline for Abstracts: 19 May

Deadline for registration: 13 October

Conference Coordinator: Mokhtar Metwally, Dept of Economics, University of Wollongong, (042) 214 017 Fax (042) 213 725

OPEN DAY Sunday 27 August OPEN DAY Sunday 27 August
Whimsy and fantasy in the Long Gallery

Coordinator of the Long Gallery, Liz Jeneid, demonstrates that this fantastic dressing table, which is part of the current ‘Artists Make Furniture’ exhibition at the Faculty of Creative Arts, is functional as well as fun.

Enjoy the humorous approach to furniture-making and marvel at the originality of the exhibits in one of the most entertaining exhibitions held in the Long Gallery.

Open Day will be the last day of this exhibition and it is certain to be a popular feature with visitors.

The artists from Tasmania, South Australia, Canberra and NSW bring a variety of skills to the works including painting, print-making, sculpture, wood and textiles as well as a sense of humour.

The future's in engineering

The Faculty of Engineering recently held an information evening to encourage female school leavers to think about engineering as their future profession.

The Women in Engineering Life-styles Seminar evening, conducted by the Women in Engineering Network and sponsored by BHP, gave students the opportunity to hear female engineers talk about what attracted them to engineering, what they do in their work, their individual experiences and career prospects.

The students also had question time and formed discussion groups with speakers, the sub-dean and academic staff of the Faculty.

Guest speaker, Selvi Kandasammi from the Department of Management, gave a wonderful recollection of her determination to study mechanical engineering – a profession not for women in India – against the wishes of her father.

Though undertaking a PhD in Management she believes that the engineering training has provided her with a technical background that she has relied upon in her career.

The other speakers were: Samantha Knight (materials engineer, BHP Slab and Plate Products); Shoba Ramakrishnan (final-year mining engineer, Appin Colliery); Kylie Fackender (civil engineer, Wollongong City Council, trainee); and Mary-Anne Kyriakou (electrical engineer, Amoco Chemicals Pty Ltd, trainee).

They provided an insight to their particular discipline of engineering, how they managed their studies, their current jobs and their future expectations.

Awards of $500 bursaries were also presented to first-year full-time female Bachelor of Engineering students in each sub discipline with the highest TER or equivalent.

Bursaries were awarded to:
Belinda Martynow (Materials Engineering)
Jodie Drysdale (Civil Engineering)
Melanie Sykes (Environmental Engineering)
Blake Creswick (Electrical Engineering)
Wing Man Michelle Lau (Telecommunications)

Faculty Officer, Ms Julie Romanowski, said: 'Overall the night was a great success. It was a great opportunity for students to get first-hand knowledge about engineering as a career.'
OPEN DAY SUNDAY 27 AUGUST MAIN ACTIVITIES

10.00
- Student Enquiries Counter (open until 5pm)  Bld 36
- 'Oh What a Lovely War' Theatre Workshop (until 1pm)  Bld 67 Rm101
- Engineering Methane Explosion  Bld 4 Structures Lab
- Spontaneous Combustion Experiment (until 1pm)  Bld 4

10.30
- Accommodation Information Session (until 11.30am)  Bld 40 Hope Theatre
- Art stalls (until 3.30pm)  Bld 25 Painting Studio
- Scrapheap Cafe (until 3pm)  Bld 25 Sculpture Yard
- Scrapheap Sausage Sizzle (until 2.30pm)  Bld 25 Sculpture Yard
- Music Composition Workshop (until 11.30am)  Bld 67 Rm 209
- Demonstration “Marvels of Materials” (until 11am)  Bld 1 Rm 134
- Biomedical Science dynamic practical display (until 12noon)  Bld 8 Rms G16,G17,G21
- Judging of the Electrical & Comp Engineering Open Day competition  Bld 35 Rm 132
- Display of entries in the competition to design a graphic representation of the Australian Constitution (until 3pm)  Bld 67 foyer
- Accommodation Halls Open  Bld 11 Union Hall
- Disability Services “Access Tour”  Bld 11 Union Hall

11.00
- Campus Tour  Meet Foyer Bld 16
- Education Story Reading (until 12 noon)  Bld 67 Rm 102
- Graduate School of Journalism open for inspection (until 2pm)  Bld 40 Rm 338
- Commerce Alumni Hospitality Room (open until 3pm)  Bld 67 Balcony
- PE/Health Education display and activities  Bld 4 Structures Lab
- Engineering Methane Explosion  Bld 8- paved area
- Free children’s model train rides (until 2pm)  Bld 15 Rms 204,206
- Mock Maths Tutorials (until 2pm)  Bld 14
- Magic Chemistry Show  Bld 20 Rm1
- Geography: The Video (15 minute running time)  Bld 13
- Aerobics class - free  Bld 16
- Library tour  Bld 16

11.30
- Primary Education Information Session  Bld 67 Rm 303
- Law Information Session  Bld 67 Rm 104
- Creative Arts Information Session  Bld 67 Rm 107
- Informatics Information Session  Bld 20 Rm 3
- Arts Information Session  Bld 40 Hope Theatre
- Accommodation Tours available until 4.30pm  Catch bus outside Bld 35
- Lecture ‘Why do Philosophy’ by Dr John Burgess  Bld 19 Rm G015
- Super Highway - Internet demonstrations  Bld 16

12 noon
- Engineering Methane Explosion  Bld 4 Structures Lab
- Geography: The Video (15 minute running time)  Bld 20 Rm1
- Disability Services Seminar (until 1.30pm)  Bld 67 Rm 102
- International food stalls and cultural activities (until 2pm)  Bld 67 outside
- Library tour  Bld 16
- Aerobics display  Duck Pond Lawn Bld 11
- Alumni reunion - Welcome by the Vice-Chancellor  Bld 20 Rm 2
- Super Highway - Internet demonstrations  Bld 16

12.15
- Early Childhood Information Session  Bld 67 Rm 107
- Engineering Information Session  Bld 20 Rm 4

12.30
- Super Highway - Internet demonstrations  Bld 16

📅 OPEN DAY 🎉 Sunday 27 August 🎉 OPEN DAY 🎉 Sunday 27 August 🎉
1pm
- Commerce Information Session
- Science Information Session
- Health & Behavioural Sciences Information Session
- PE/Health Information Session
- PE/Health Education display and activities
- Book fair opens until 5pm
- Biomedical Science dynamic practical displays (until 2.30pm)
- Magic Chemistry Show
- Geography: The Video (15 minute running time)
- Library tour
- Science Centre Opens (shows every half hour until 5pm) - catch the courtesy buses outside Bid 35
- Super Highway - Internet demonstrations

1.30
- Demonstration 'Marvels of Materials' (until 2pm)
- Recital by Music Performance and Ensemble Students (until 2.30pm)
- Law class in action (until 2.15pm)
- Education Story Reading (until 2.30pm)
- 'Alternative Energy Generation' - Lecture/Demonstration
- Louis Nowra discusses his play Cosi

2pm
- Campus Tour
- Computer-assisted language learning demonstration
- Economics computer displays
- Readings by Creative Writing Students and Staff
- Graduation Production - Theatre Workshop (until 4pm)
- Engineering Methane Explosion
- Spontaneous Combustion Experiments (until 4pm)
- Geography: The Video (15 minute running time)
- Disability Services 'Access Tour'
- Super Highway - Internet demonstrations
- Library tour

2.30
- Arts Information Session (Repeat)
- Creative Arts Information Session (Repeat)
- Informatics Information Session (Repeat)
- Graduate Diploma in Education Information Session
- Postgraduate Law Information Session
- The Constitution Event '95 (until 3.30pm)
- Super Highway - Internet demonstrations

3pm
- Science Information Session (Repeat)
- Education Repeat Information Session (overview of all sessions)
- Commerce Information Session (Repeat)
- Law Information Session (Repeat)
- Education Postgraduate Information Session
- Engineering Methane Explosion
- Magic Chemistry Show
- Library tour

4pm
- Engineering Methane Explosion

5pm
- Conclusion

OPEN DAY Sunday 27 August OPEN DAY Sunday 27 August
Dr Fazel Naghdy from the Department of Electrical and Computer Engineering will visit England and Hong Kong in September on a tour sponsored by the British Council and Advanced Manufacturing and Automation Research Centre, University of Bristol.

In England he will participate in the second International Workshop on Mechatronics in Medicine and Surgery.

Dr Naghdy has been the Australian Chair for this workshop for the last four years and will also present a paper in the main program section of the workshop titled ‘Control of body fluid in a major surgery using fuzzy logic control’.

The work has been carried out in collaboration with Dr J. Lambert, from Royal Prince Alfred Hospital in Sydney.

The MediMechatronics workshop is unique in its scope and contents. It reviews how advances in control, intelligent manipulation and computer technology, collectively known as Mechatronics, can be exploited to provide higher positioning and accuracy in surgery and anaesthesia.

There has been a significant improvement in non-invasive measurement techniques for identifying and locating targets within the human body over the last decade.

Mechatronics tools can provide the accuracy and intelligence needed in the positioning devices.

The tools based on these techniques can be fully automatic or operated by surgeon-anaesthetists while providing additional sensing through electronics sensors, experience in the form of a prior knowledge and skills to interpret the data produced by the process, as well as determining the state of the patient and taking appropriate actions.

Mechatronics can also provide valuable tools in minimally invasive procedures in which surgeons operate through small incisions in the body.

The workshop will address diverse areas of work such as Mechatronics in Healthcare, development of precision mechatronics in ophthalmic surgery and the prospects for remote treatment and diagnosis.

In Hong Kong, Dr Naghdy will participate in another conference, the International Conference on Mechatronics and Machine Vision in Practice. He has been on the international program committee of this conference and will also present a paper titled ‘Low level fuzzy image processing’.

Many scientists and industrialists are expected to attend this conference, particularly from South-East Asia.

This conference will address mainly the application of Mechatronics and machine vision in manufacturing.

Dr Naghdy is a senior lecturer in the Department of Electrical and Computer Engineering.

He has taught and researched in the area of real-time computer control and robotics for the last 14 years.

He is an associate editor of the International Journal of Control Engineering Practice and serves on technical committees of several regular international conferences.

He is also a member of the IEE Regional Committee for NSW.

He has worked with industry, designing and developing computer control for process control and intelligent quality control systems.

In the area of medicine he is running joint projects with Southern Pathology, Wollongong Hospital and Royal Prince Alfred Hospital in Sydney.

**Research in MediMechatronics**

**Educational Media Services multimedia forum**

Multimedia forums are informal opportunities for multimedia developers on campus to get to know each other and share information about progress with their projects.

Feel free to drop in and out as items attract your interest and as your timetable permits. Forums are hosted monthly by Educational Media Services.

Let them know of your ideas for future topics, especially about your teaching projects.

The next forum will be held from 9.30-11.30am on Friday, 18 August in Library Seminar Room 4. For bookings, e-mail Geoff Hamer.

The timetable for the next forum is:

- 9.30am: Welcome.
- 9.40am: Hear the Alison Fox story of her highly-acclaimed SBS program on cognitive neuroscience, our first breakthrough in broadcast quality computer graphics.
- 10.10am: Hear how the Leonie Jones CAUT-funded GeoSECT project is coming along, which explores geological sections of the earth’s crust using full-colour computer artwork.
- 10.30am: Refreshment break.
- 10.45am: See why the Cement and Concrete Association of Australia took up the COMPACT software in order to enhance the expertise of both students and practising professionals in the construction industry.
- 11.10am: See why the Faculty of Engineering plan to use the MathsWise package to supplement their undergraduate teaching program.

Both COMPACT and MathsWise are projects developed in the UK under the multi-million pound Teaching and Learning Technology Projects program. They come from Nottingham and Birmingham, respectively.
At the eighth National Library Technicians Conference recently held in Darwin, the Library's Staff Development Officer, Ms Lorraine Denny, presented a paper entitled Providing Quality Service in your Library.

The paper examined the changing role of the customer in determining service priorities, the elements of quality customer service and some practical strategies and ideas which library technicians can adopt in order to deliver quality service.

Comments from delegates indicated great interest in the topic and appreciation of the practical nature of the information presented.

Some commented favourably on the emphasis placed on customer service by the University of Wollongong Library.

Twenty conference participants requested copies of the two client service booklets described in the paper: Our Commitment to Service and An Introduction to Quality Client Service at the University of Wollongong Library.

Ms Denny also presented an interactive workshop at the conferences entitled: Giving and Receiving Criticism.

This was also well attended and generated considerable interest.

This booklet, referred to in Ms Denny's paper, was issued to all Library staff last month.

The booklet contains service principles and standards which guide staff in their interaction with clients. The standards were developed, discussed and agreed by all staff.

UNIVERSITY OPEN DAY 1995 ART COMPETITION
Sponsored by the Faculty of Law

The Australian Constitution and the Next Millennium

The Faculty of Law at the University of Wollongong is sponsoring this art competition to engage creative Artists to contemplate and represent in artistic form the current and future place and role of the Constitution in Australian Society.

Of special importance, as we enter the next millennium and celebrate the 100th year of operation of the Constitution in Australian Society, is bringing the Australian Constitution to life.

Theme: The Australian Constitution: Its birth, growth and future role in the Australian Society in the next millennium

Requirements: To represent the theme of the competition, as interpreted by the entrant, in artistic form. The artistic form can be any medium decided upon by the entrant.

The entry must be accompanied by a short written description of 200 words or less describing how the entrant has represented the theme of the competition through their work.

Eligibility to enter: Any person enrolled to study at the University of Wollongong

Prize: $250 for the winning work

Submit entries to: the Faculty of Law Office of the University of Wollongong.

Closing Date: 24 August 1995

The winner will be announced at The Constitution Event at Open Day, Sunday 27 August.
General
The Campus Alumni Bookshop will open on the second and fourth weekends of each month. Come and browse through a wide selection of preloved textbooks and fiction. Campus East, Cowper Street, Fairy Meadow (opposite Science Centre). All proceeds directed towards campus projects. Donations of material are invited. Enquiries to Alumni Office, phone 213 249 or 291 951.

Long Gallery
Exhibition program for 1995:
Until 27 August: Artists make Furniture.
2 October-5 November: Archaeologies: Structures of Time, Diana Wood Conroy and Sharon Marcus.
13 November-10 December: BCA graduating exhibition

Cell and Molecular Evening Seminar Series
Conducted by the Department of Biological Sciences and Biological Macromolecules Research Centre.
11 September: Professor Adrian Gibbs (Australian National University),

What's On
The Bresatec seminar on virus evolution.
Held on Mondays from 6pm in the Department of Biological Sciences, University of Wollongong, Building 35, Room 105.
Enquiries, phone: (042) 213 013, fax: (042) 214 135.

Union Activities
All members of the Union, students and staff are invited to attend.
Thursday 17 August: Lunchtime: Market Day on the lawn. Women Speak Out on the lawn on violence against women. Interested women to contact Helen-Joy at the SRC, phone 214 201. Evening: Max Sharam in the Union Tavern, 8pm. Tickets available at the door $4 students, $8 non-students.
Friday 18 August: All day: Introduction Workshops for Women on how to use e-mail and other internet services. Enquiries: Helen-Joy at the SRC, phone 214 201. Evening: UniMovies - 'A Pure Formality', 7.30 pm in the Union Hall.

Appointment to Fulbright committee
Pro Vice-Chancellor (Academic) Professor Christine Ewan has accepted a five-year appointment as a member of the Fulbright NSW State Selection Committee for postgraduate student and postdoctoral fellow awards.

Conservatorium Scholarships
The Wollongong Conservatorium of Music annual scholarship auditions will be held from 18-21 September.
At least 14 scholarships worth more than $12,000 will be awarded for tuition in piano, strings, wind, brass, percussion and vocal.
About 100 students are expected to apply. Enquiries, phone 281 122 or 213 533.

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.

Stop Press