A new approach to brain theories

POSTGRADUATE students with a strong first degree and relevant interests and experience will be able to engage in a broadly-based and scientifically-oriented program of coursework and research in Cognitive Science at the University of Wollongong next year.

The University is looking for especially talented students for this challenging and important program.

Cognitive Science is designated a national priority area of the Australian Research Council because a multi-disciplinary approach to brain theory may give fresh insight in such areas as education, artificial intelligence and psychology.

Cognitive Science has the potential to affect every aspect of society from the kindergarten classroom to the Multi Function Polis.

The transdisciplinary program draws on the expertise and interest of many staff from five separate Faculties of the University — Science, Health and Behavioural Science, Informatics, Arts and Education.

On offer in 1991 will be the core courses Introductory Cognitive Science and Cognitive Science Research Design Project, and four specialised courses: Artificial Intelligence and Neural Computing; Cognitive Psychology; Computational Neurobiology and the Brain and Movement will be available.

In even years these latter four courses will be alternated with Computer Vision; Contemporary Philosophy of Mind: Construction of Knowledge and Early Language and Linguistics.

Masters and PhD research work can begin as early as the beginning of the second session for appropriately qualified applicants.

The program is designed to provide a strong training equally for those intending to develop industrial and commercial applications of Cognitive Science research findings, and for those seeking superior academic qualifications upon which to base further teaching and research in an area with strong anticipated employment growth.

Further information from the coordinator, Associate Professor Peter Burton, tel (042) 270505.
Computer Science part-timer gets an Open Day surprise

A PART-TIME Computer Science student who took the time to fill in a questionnaire in this year's Open Day program, is glad she did. Ellen Manning, from Bulli, has won an Apple Macintosh computer package, worth almost $4500. Ms Manning is no stranger to the University of Wollongong Campus. She combines her part-time study with a full-time role in the Chemistry Department.

While she already owns a home computer, Ellen says her new 'Apple Mac will quickly be installed and put to good use'.

Executive Officer of the Friends of the University, Graeme Gilbert, says: 'Public response to this year's questionnaire was fantastic. Nearly 1000 people responded, with completed questionnaires coming in from as far afield as Dubbo, Wagga, Canberra, Newcastle, Young and Gosford.'

Mr Gilbert says some typical comments on the returned forms were, 'interesting, exciting. I didn't realise the Uni had so much to offer. Much more impressive than I had believed'.

On the 'down side' most complaints centred on the 'lack of adequate signposts' to assist first-timers to the campus.

Over the coming week, volunteers will collate the complete program questionnaires, information Mr Gilbert says will assist the Friends' to plan future Open Days.

Be fair in dealing with the media

IF STAFF or students are promoting newsworthy activities, treat all media outlets equally and release information to each of the following news rooms at the same time.

The University should not be seen to be favouring any particular media outlet or journalist, but to be giving each the equal opportunity to cover the news.

Of course, it is their decision whether or not they choose to cover the event. Follow-up phone calls to particular journalists are a good idea.

If a journalist initiates an enquiry through their own sources it is appropriate to allow them an exclusive, unless you were planning to release the item in the near future. In this case you should indicate this to the journalist.

It is important to maintain the positive attitude the University enjoys with the local media.

The Illawarra Mercury – Chief of Staff Nick Hartgerink, tel. (042) 202511, fax (042) 263616.
High school students get a taste of Uni-style Geography

THE DEPARTMENT of Geography hosted 130 Year 12 students from Illawarra schools on Saturday September 8.

The students’ day was organised by the Illawarra Social Science Teachers’ Association in conjunction with the Department of Geography at Wollongong University.

The day was geared towards the coming HSC examinations and consisted of lectures and workshops. The lectures were given by Dr Hilary Winchester, who discussed 'Sedal Inequality in the Global City' and by Ms Robyn Sim, who talked to the students about 'Water Management in NSW'.

The workshop sessions were conducted by the association’s organiser, Mr Steve Goodley (Keira High), and by Ms M Thom (Waverley High) and gave students approaches and hints for dealing with questions in various formats.

The sessions were rounded off by Professor Murray Wilson who summarised the state of Geography today, outlining its increasingly technological and environmental nature and pointing out some of the many areas in which geography graduates are working.

Research on the more efficient use of energy

THE STRONG base of skills and expertise available in the Power Engineering Group in the Department of Electrical and Computer Engineering has led to the setting up of a new research centre by the University and the Electricity Commission of NSW.

With the incorporation of the Energy Efficient Research Centre Limited as a Public Company on July 20, and the appointment of its first three staff, the joint initiative announced by the University and the Commission in May has become a reality.

The new centre occupies an office in the Illawarra Technology Centre and will interact closely with the Department of Electrical and Computer Engineering to provide experimental facilities for research into appropriate new energy-efficient technologies.

The newly appointed Managing Director of the Centre is Mr Graeme Sanders.

Until recently Mr Sanders was Senior Electrical Engineer with JOY Manufacturing Company Pty Ltd where he led a small team developing advanced electrical drives and computer control systems for underground coal mining machines.

He brings to the position almost three decades of academic and industrial experience in power electronics, motor drives and computer control systems both in Australia and England.

Assisting Mr Sanders are two young engineers Peter Dalton and Dominic Cuiini.

Peter is a first class Honours graduate from the University of Sydney and has worked with the Electricity Commission of NSW.

He recently completed PhD studies at the University of Sydney on high performance power electronic drives for AC machines. Dominic is a first class honours graduate and University Medallist from this University and comes to the centre from BHP where he was responsible for development and implementation of new process control strategies.

The initial thrust of the centre’s work will concentrate on improving various aspects of motor drive technology so as to make these highly efficient drives accessible to a wider range of users.

The centre will also co-operate closely with the Electricity Technology Centre at Silverwater in Sydney to provide a research and consulting service to industry and commerce on energy-efficient technology.

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Campus News holiday deadline change

BECAUSE of the Spring Session recess from September 24 to October 7 there will not be an issue of Campus News on October 2.

Deadline for copy for the issue of October 9 would normally be Monday October 1, but as that is a public holiday, please deliver any material to the Planning and Marketing Office by noon, Friday September 28.
Union Week begins and ends on high notes

A LARGE gathering attended the opening of Second Union Week held in the Bistro Lounge on Monday, August 27.

Dr Brian S Gillett, Deputy Chancellor of the University, officially opened the week.

The winners of the First Union Annual Acquisitive Arts Award, '1990 Works on Paper' were announced by judge, Ms Barbara Tuckerman, Director, Wollongong City Gallery.

The winners were John Marsh ($700) and Braden Perry ($300). Ms Tuckerman remarked on the high standard of the works submitted by campus students.

Many activities were held during Union Week including an 'immigration' forum, challenge day, comedy/jazz night, free wine and cheese tasting, 'Soapbox Day' and a band and other musical entertainment.

The week's events ended with the 25th Annual Dinner in the Union Hall on Friday, August 31.

The evening's proceedings were chaired by Deputy President of the 1989/90 Union Board of Management, Mr Jeyananda C Ahnantakrishnan.

Board President, Mr Joel R Thambipillai, proposed the official toast to the University.

The toast to the University was proposed by University Pro Vice-Chancellor, Professor Lauchlan Chipman.

Guest Speaker was Dr Karl Kruszelnicki, a former graduate of the University. The dinner was a sell-out with 250 people attending.

Multicultural Week offers a huge choice of events

THIS week is Multicultural Week and the University of Wollongong Union is offering a huge array of events.

The week was officially opened last night in the Union Bistro by International Student adviser and President of the Illawarra Committee for Overseas Students, Mrs Diana Wong.

Today (Tuesday) the Van Diemens Band presents Aussie Day entertainment from 12.30pm in the Central Square.

There will be a sausage sizzle with damper bread. Pianist Penelope Oerlemans will provide music in the Bistro.

At 7pm there will be a Multicultural Night in the Union Hall and Common Room.

Wednesday's lunchtime entertainment is the Death Defying Theatre Life Show in Central Square from 12.30pm.

Pianist Richard Starr will provide music in the Bistro.

In the evening the Union will be showing the movies Pretty Woman and Her Alibi in the Union Hall.

Thursday will be clubs' and societies' open day and at 12.30pm Chinese flautist Chai Chang Ning will play at Central Square.

The Union Club Award presentation will be made in the evening. The Okapi Guitar Band will play at the presentation.

On Friday singer/guitarist David Beniuk will play in the Uni Tavern.

During the week the Bistro will feature different themes in its food.

Today it's Chinese, tomorrow German, Japanese on Thursday and Mediterranean on Friday.
Staff round-up

Retirement age now 65

GENERAL Staff wanting to work beyond the age of 60 no longer need the approval of the Vice-Chancellor.

At the July meeting of the University Council it was resolved that: 'Council adopt a common maximum retirement age of 65 years for all General Staff, noting that all General Staff will be required to participate in annual performance appraisals'.

This new age limit is an upper limit only and employees may retire earlier if they want.

For more information, contact Assistant Personnel Officer, Ann Kiceluk, ext. 3935.

Current Vacancies

Senior Lecturer or Lecturer in Japanese
- Continuing Appt. or Limited Term — 5 years (convertible) or Contract Appt. up to 4 years, Reference AC90-36, Closing date October 26.

Lecturer in Midwifery — Contract Appt. 2.5 years, Reference AC90-37, Sept 28.

Lecturer (First Year Co-ordinator) in Chemistry — Contract Appt. 4 years, Reference AC90-38, September 28.


Senior Lecturer or Lecturer in Computer Science — Continuing Appt. or Limited Term — 5 years (convertible), Reference AC90-40, September 28.

Teaching Fellow in Computer Science — Contract Appt. up to 4 years — Reference AC90-41, September 28.

Senior Lecturers or Lecturers in Economics — Continuing Appt. or Limited Term — 5 years (convertible) or Contract Appt. up to 4 years, Reference AC90-42, September 28.

Lecturer in Applied Mathematics — Continuing Appt. or Limited Term — 5 years (convertible) or Contract Appt. 4 years, Reference AC90-43, September 28.

Lecturer in Business Systems — Continuing Appt. or Limited Term — 5 years (convertible), Reference AC90-44, Sept 28.

Senior Lecturers or Lecturers in Electrical and Computer Engineering — Continuing Appt. or Limited Term — 5 years (convertible), Reference AC90-45, September 28.

Senior Lecturers or Lecturers in Accountancy — Continuing Appt. or Limited Term — 5 years (convertible) or Contract Appt. 4 years, Reference AC90-46, Sept 28.

Associate Professor in Accountancy — Limited Term 5 years (convertible), Reference AC90-47, September 28.


Further details: Ross Walker, ext 3934.

9-month US fellowship to study controversial IUDs

Ann Dugdale (right) with Dr Evelleen Richards

SCIENCE and Technology Studies Department PhD student Ann Dugdale has begun nine months' study in the United States.

Ann has been awarded an international fellowship by the American Association of University Women.

This will allow her to work with historian of science and medicine, Dr Elizabeth Fee, at the John Hopkins University School of Hygiene and Public Health. Ann will work on her thesis and will return to Wollongong to complete it in May 1991.

Ann is investigating how social factors — the extent of government regulation, the pressure exerted by social groups such as consumer movements and women's health activists and the involvement of corporations in medical research — shape the knowledge claims made about new medical technologies, and their use and distribution.

These factors are different in the case of the IUD in Australia and the US.

The fellowship will enable Ann to compare the two countries and highlight the importance of social elements in decisions about medical knowledge claims.

The Dalkon Shield, an IUD marketed in the early 1970s, is the most litigated product in the world. Many women suffered pelvic infection following its release on to the world market.

The Copper-7 was recommended for use to many young women in the late 1970s. It has since been withdrawn from sales.

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Tulip Time trip
THE ILLAWARRA Committee for Overseas Students has organised a coach trip to the Tulip Festival in Bowral on Saturday September 29.

ICOS has also organised a Sydney Harbour cruise and a visit to the Darling Harbour Aquarium on Sunday October 21.

Students and their families must make their own way to Darling Harbour.

The cost will be $10 for students and $3 for children under four.

Details and tickets are available from the ICOS office in the Union Building next to Careers and Appointments Service, on Tuesday, Thursday and Friday from 9am-2pm. Tel. (046) 27 0158 or ext. 3158.

Friends of Theatre South
THE FIRST meeting of the Friends of Theatre South will be held in the theatre's foyer on Tuesday September 25 at 7.30pm.

All interested people are welcome. Any enquiries, tel. Enid Sherwin (042) 848341.

School of Creative Arts Diary
September 20: School of Creative Arts Biennial. Preview, the Long Gallery 7.30pm.


September 20, 21, 22: The University Singers present the Pleasures of the Parlour, a Victorian entertainment. Theatre South 8.15pm (Matinee September 23)

September 20, 21, 22, 23: School of Creative Arts Annual Postgraduate Weekend Conference. This will include the presentation of performance, theatre, writing, music and slide presentations. For more information contact Dr Andrew Schultz, tel. (042) 270302.

September 26, 27, 28, 29: The Shy Pilgrim, directed by Don Reid. The Performance Space, 8pm.

October 4: Preview Art Arena Gallery — Merrilee Swan.

October 8: More of Inkos, Performance Space 8pm.

October 9: Special project devised by Jenny Stephenson, Performance Space 8pm.

October 10: Music Theatre Performance, Performance Space 8pm.

What’s on

Food

Professor Schmidt honoured by peers

PROFESSOR of Civil Engineering, Lewis Schmidt, has been invited to become a Member-at-Large and council member of the Structural Stability Research Council.

Established in 1944 by the Engineering Foundation of the USA, the council adopts a worldwide view of structural instability problems, and is attempting to coordinate and rationalize the different procedures from countries around the world for designs involving structural stability.

In this way the standards of design for building in Australia will be the same as those in other parts of the world.

A world view document is being prepared to revise the present edition of the council’s Guide to Stability Design Criteria for Metal Structures.

The council’s secretariat is based at Lehigh University, Bethlehem, USA. The council has a worldwide membership.

Health Studies Visiting Fellowship at Western Sydney Uni

PROFESSOR Christine Ewan from the Health Sciences Department has been appointed Visiting Fellow to the Faculty of Health Studies, University of Western Sydney, during session two this year.

She will be working with the faculty on future directions in nursing research and education.

News in brief

Mature age student numbers rise
A JUMP of 25 per cent in the number of mature age students starting undergraduate studies in Australia’s universities and colleges has been recorded over the past decade.

Minister for Higher Education and Employment Services, Mr Peter Baldwin, said that from 1979 to 1989, mature age undergraduate commencements rose from 52,000 to more than 64,000.

The rise and other features regarding mature age students are contained in the seventh report in the Department of Employment, Education and Training’s Higher Education Series.

Further details on the report can be obtained from Management Information and Planning, ext. 3372.

Scientist survey
NEW SCIENTIST magazine is conducting a survey of academic career development and opinion.

The survey is being sent to 4500 scientists, engineers and administrators who were selected to receive five complimentary copies of New Scientist to coincide with the launch of a new supplement Science and Education in Australia and New Zealand.

The survey was contained in the September 8 issue of the magazine.

The recipients come from all universities in Australia and New Zealand.

Australian editor of New Scientist, Mr Ian Anderson, said: ‘We believe it is the first time such an extensive survey has been held into the attitudes and backgrounds of scientists within Australian and New Zealand universities.

‘The responses to the survey — which is anonymous — will form the basis of articles for inclusion in New Scientist.

‘But the greater the response, the more valid the survey.’

The data tapes from the survey will be lodged with Social Science Data Archives at the Australian National University where they will be available for independent analysis. Processing of the survey will also be handled at ANU.

Name change
THE ELECTROLYTE Refining and Smelting Company of Australia has changed its name to Southern Copper Limited.

The name change is part of an overall objective to establish the company both in the domestic and international markets as a reliable cost effective supplier of quality products.

General Manager — Operations, Mr Jack Garaty, said: ‘The new name was a logical selection considering we were the first refinery in the Southern Hemisphere, the first heavy industry on the South Coast and currently the most southern smelter in the world.’
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 Office of Postgraduate Studies.

Australian Meat & Livestock Research & Development Corporation
Applications are invited for research and development projects aimed at improving the profitability, efficiency, marketing and production of Australian meat and livestock.
The University closing date is November 16.

Illinois State University
Graduate Assistantship for Graduate Study in the United States
Up to 10 awards are available for graduate study at Masters/Doctoral level at Illinois State University.
The University closing date is March 1, 1991.

University Research Grants 1991
Applications are invited for the University research grants in the following categories: Program grants, Project grants and Small grants (up to $500).
The University closing date is (Program Grants) September 30, (All Others) October 31.

Previously Advertised
The British Council Travel Grants
CSIRO Postdoctoral Awards

SID Research Grants
Lillian Roxon Travel Grant
Swiss Government Scholarships
ARIF's
Columbian Scholarships
Corpus Christi College
Visiting Fellowship
Bilateral Science & Technology Scheme
Dairy Research & Development Grants
Illawarra Area Health Service Research Grants
1991 Fulbright Awards
French Government Scholarships
Australian Academy of Science Medals
ALS Research Grants
ARC Course Awards
Sir Harry Gibbs Prize (Forensic Science)
OPRA Awards
Menzies Scholarships
Commonwealth & Fellowship Plan
Robert McNamara Fellowship
The Marten Bequest
Canadian Government Awards
ATERB Scholarship
Syd Lovibond Prize
Kobe Steel Scholarship - Oxford
Meat & Livestock R & D
Maxwell Jacobs Forestry Fund
Gowrie Research Scholarship

Further information from Dr Rob Whelan, tel. (042) 27 0442 and Associate Professor Ross Lilley, tel. (042) 27 0431.

Department of Economics
Seminars are held on Thursdays from 11.30 am to 12.30 pm in Building 19.1056.

Department of Electrical and Computer Engineering
September 17: Mr D Irvine: Analysis techniques for resonant link inverter. 12.35-1.25pm room 35G45.

Faculty of Education
Equity in Education program
Meetings will be held in Building 21.104 at 4.30 pm.

The Equity in Education Program is holding regular meetings which will include reports from research projects. These reports will focus on the research process (specific problems, research de-
sign and so on) and aim to provide a forum for sharing research experiences and exchanging ideas. They will not be formal presentations - the emphasis will be on interaction and discussion with colleagues. Researchers outside the program are invited to attend to foster interdisciplinary research and scholarship as well as to facilitate information exchange. The regular Equity in Education Program meeting is scheduled for 4 pm on each of these days and members/associate members are asked to be in attendance at this time.

Friday October 12: Noeline Kyle, Jan Wright, Peg MacLeod, Jan James and Alison Elliott, Women and entry to higher degrees at the University of Wollongong.

Friday October 26: Anna Tait and Noeline Kyle, Award restructuring and women teachers.

Thursday November 1: Alison Elliott, Computers and learning disability

Enquiries to Associate Professor Noeline Kyle, tel. (042) 27 0374 or Ms Jan James (042) 270078. Coffee/tea provided.

Gender and Education Unit

Seminars are held in Building 21.104 at 4.30pm on Fridays (unless otherwise indicated).

October 5: One-day conference Women and higher education.

October 26*: Anna Tait and Noeline Kyle, Award Restructuring and Women Teachers.

November: A Jones, Gender and the Play Activities of Young Children. End of year meeting, everyone welcome.

* Seminars offered jointly by the Gender and Education Unit and the NSW Branch of the Australian and New Zealand History of Education Society.

Tea/coffee provided at all seminars. Enquiries to Associate Professor Noeline Kyle, tel. (042) 27 0374 or Ms Jan James (042) 27 0078.

Language in Education Unit

Language in Education Workshop (Contact Bill Winser for details, ext. 3963)

Research meetings:

Members of the language in Education Unit or others who are interested in meeting on Monday lunchtimes (12.30 pm) in order to share research, undertake analysis of texts, and discuss selected journal articles/publications, please contact Bev Derewianka (27 0320) or leave a message with Kylie Pickford (27 0973).

Equity in Education Research Project and The Gender and Education Unit


11am-1pm Room 21.104
October 12: Ms Alison Elliott, Computers and young children with learning difficulties. 4.30pm Room 21.104.

School of Learning Studies

Seminars are held on Wednesdays at 12.30 pm in Building 21.104

October 17: Dr Jennifer Jones and Josie Castle, Women in UK universities; transition to postgraduate study.

October 31: Pat Farrar and Dr Ted Booth, Overseas Practice Teaching: Holidays with credit or significant professional development?

November (date to be advised): Professor Michael Apple, University of Wisconsin, Madison, The Gendering of Teaching.

Enquiries to Bill Winser, Co-ordinator, School of Learning Studies, ext. 3963.

School of Policy and Technology Studies

September 21: Professor Carla Fasano, Information Technology in Education: Searching for sense-making paradigms.

November 2: Dr John Patterson, Tonia Gray, Gregg Rowland, PE in the primary school and Police dietary habits.

Seminars are held in the SPATs lab (21.101) on Fridays at 12.30 pm.

Department of Geography

Seminars are held in Building 19.G026 from 12.30 to 1.30 pm and are open to all who would like to attend.

September 19: Dr Peter West, Department of Clinical Epidemiology, University of Newcastle, Privitisig the British National Health Service (joint seminar with Department of Sociology, Uni of Wollongong)

Department of Management

September 21 at 1.30pm, Room 19-1003: Professor Michael Hough, The role of managers in developing effective information systems.

October 12 at 1.30pm Room 19-1003: Dr Gail Graham, Asian language skills for Australian managers.

Department of Materials Engineering

Seminars to be held jointly with the Wollongong University Student Chapter of the Metallurgical Society on Tuesdays from 4.30 to 5.30 pm in Building 1.134 (unless otherwise specified). Enquiries to Associate Professor D. Dunne, tel. (042) 27 0014.

September 18: Dr Geoff Spinks (UW), Mechanical Properties of Polymers.

October 9: Mr Wayne Renshaw (BHP CPD), Internal Friction for Interstitial Analysis in Low Carbon Steels.

October 23: Dr Alan Wingrove (Bisallay Steels), Development of BIS 60 Quenched and Tempered Steel.

Department of Public Health and Nutrition

Seminars are held in Building 5.G03 between 12.30 and 1.30 pm on the dates given. Anyone who is interested is cordially invited.

Wednesday October 31, Mr Paul O'Halloran, Trends in mental health training in Australia.

Enquiries to Ms Linda Tapsell, Lecturer, Department of Public Health and Nutrition, tel. (042) 27 0152 or ext. 3152.

School of Creative Arts

Postgraduate Series seminars, which are held in the Music Auditorium, Building 24, from 4.30 to 6.30 pm, are open to the public and admission is free.

Thursday October 25: Subjectivity in history, Paul Carter, author of The Road to Botany Bay and editor of The Age Monthly Review, will discuss his own creative work as the writer of several radio plays.

Enquiries to Dr Andrew Schultz, Director, Postgraduate Studies, School of Creative Arts, tel. (042) 27 0985.

Social and Psychological Health Research Program

All seminars are held on Tuesdays in Building 19.1056 from 12.30 to 1.30 pm.

October 9: Beverley Walker, Exploring dependency.

November 6: David Jeffs, Childhood accidents, social conditions and public education. Contact Sheree Anshel, ext. 3499.

Advertisements

FOR SALE

Peugeot 505, automatic, air conditioned, power windows, immaculate inside and out. 12 months rego. Tel. (042) 849843 evenings.

WANTED TO RENT

Caravan to put in yard in Keiraville December 22 to January 4. Tel. Di, ext. 3612 or (022) 292061 ah.

TO LET

Available February to July 1991, 3-bedroom house, Corrimal. Furnished or unfurnished. Could be made available January if required. Tel. Toni O'Neill ext 3765 or ah (022) 833764.

TO LET

Northern suburbs residence offered to mature staff members. Fully self-contained, 2-3 bedroom duplex near beach, 7 days or part week. Enquiries (042) 674210 or PO Box 140, Thirroul 2515.

TO LET

An attractive 4-bedroom furnished or unfurnished house with large swimming pool and garage. 10 mins' drive to university. Close to school, train and beach. Available until January 1991. Rent neg. Further information ext 3707 after 2.30 pm or tel. (042) 831448