The new Head of the French Section of the Department of Modern Languages is 34 year-old Dr. Brett Dawson. As Senior Lecturer in the Section he has assumed the role of Head previously taken by Professor Ken Jutton, now Vice-Principal and Deputy Vice-Chancellor.

Dr. Dawson was born in Sydney. His father worked as a bank manager. His commitments meant that young Brett grew up in a succession of country towns. He attended Temora High School and Sydney Grammar School before commencing undergraduate studies at the University of Sydney.

He obtained his bachelor degree with Honours Class I in French in 1968 and his Master degree in 1971. He went to France where he taught English and eventually was awarded the doctorat de troisieme cycle from the University of Paris-IV in 1977.

Dr. Dawson was a Lecturer at the University of Western Australia in 1978 and 1979, a research fellow at the University of Adelaide in 1980 and 1981 and has been granted a three-year contract at this University.

He has had extensive research experience, having authored a number of articles in scholarly journals and being an authority on Jean Giraudoux, the playwright. His critical editions of correspondence between Giraudoux and Louis Jouvet and the plays of Giraudoux have been published, and he is preparing critical editions of two Giraudoux novels and Giraudoux's correspondence with his wife.

Dr. Dawson and his wife, Francoise, have moved into a house in High Street, Newcastle. They met and married when they were students together at the University of Paris. Francoise holds the degree of maître es-lettres.

Dr. Dawson plans to get to know as many French students as possible and says that he wants to teach across the whole spectrum of the French course.

He says that his first impressions of the University and the French Section are "agreeable, indeed". His three academic colleagues are "as generous and warm as can be".

Students' Campaign

ACADEMIC PLAN

As the University NEWS was going to press the Students' Representative Council had announced a campaign against the Academic Plan for the University.

To put its point of view across to the University community, the SRC was planning a teach-in.

It was also endeavouring to organise a boycott of classes and was circulating a petition to present to the Council of the University.

The boycott and the teach-in were planned for Thursday, May 27. The teach-in was scheduled to be held in the courtyard of the Union from 11 am until 2 pm. Speakers were expected to include representatives of the SRC, the Staff Association and the Public Service Association.

In a note to members of the University's Sub-Division of the PSA, the Chairman, Dr. D. Kay, urged his members to attend for whatever period they could as, he said, only by being as fully informed as possible could they make constructive criticism about features of the Academic Plan that affected them.

The President of the SRC, Margaret Kavanagh, said that her Council was concerned about the Plan for a number of reasons, including the lack of consultation with students and the recommended discontinuation of undergraduate courses in the Faculty of Education.

inside - Hall's 10th Birthday
Dear Sir,

I am disgusted with the appearance of graffiti on the Mathematics Building and other buildings on the site. Until now our campus was kept clear of graffiti. Since the majority of people on this site are either members of the SRC, or of the Staff Association, or of the Student Union, one can assume that this vandalism has been carried out by a member of at least one of these associations, so I am writing to you all via Opus, SRC Bulletin and University NEWS.

Why should University resources have to be used to clean off graffiti when we have committees all over the place, through which people could express their strongly-held views?

W. BRISLEY
Mathematics Department.

Dear Sir,

The Academic Plan provides for a School in Computing. Recent issues of the NEWS have reported the Faculty of Engineering strongly supporting the establishment of a Chair in Computer Engineering, and the Faculty of Mathematics requesting that the name of the Mathematics Department be changed to the Department of Mathematics, Statistics and Computer Science. When the Mathematics Faculty was set up just over ten years ago it was accepted that the establishment of the Faculty should not prejudge the faculty location of any existing department other than Mathematics or any proposed new department, such as computer science.

What was recognised ten years ago is even more pertinent today as the impact of computers becomes more and more evident in our society and its institutions. If the proposed new Chair in Computing is tied to any existing faculty its role will be distorted and its value diminished. The Diploma in Computer Science controlled by the Mathematics Faculty is almost inaccessible to graduates in Commerce who should be the major candidates if community requirements are to be met. Likewise it is almost impossible for students in other faculties, such as Science, to gain much benefit from the courses in computing offered in Engineering. And as for the legitimate needs of students in graduates in other disciplines to gain access to computer-related studies the situation is hopeless.

In my view the proposed new Chair in Computing must be totally independent and should form the foundation of a new Faculty of Information Science, Communication Studies, call it whatever you will. RSTS should be able to embrace all aspects of computing and not just one lop-sided facet of the discipline. The risk is present. Some of the subject areas which should be capable of inclusion in the new Faculty are: system studies (teletext, computerised journalism, etc.); communications (electronic mail, conducting business full screen); library and information science (involving large data-base management); computer system architecture (including new forms of human-computer interfacing); computer-aided instruction and educational computing; computer robots and automation (with all manner their industrial and sociological implications); medical computing (computerised diagnosis and patient management); and many more.

With the greatest of respect of my learned friends in the Engineering and Mathematics Faculties I suggest no way that their Faculties can do full justice to the broader aspects of computing without doing harm to their own vital commitments. I therefore urge the creation of a totally new Faculty which can forge new links with and provide full synergy to all of our existing Faculties and the community in general.

COLIN KEAY
Department of Physics.

Dear Sir,

Trained two years and five months ago at the University in the days of the Word 11 programme, I am increasingly wishing I could suddenly revert to the 18th century. The joys and sorrows of a space-age steno are to be wondered at. This tale I now unfold.

Bashing into work all keen and eager to use this wonderful new means of producing research papers for our professors (my own in particular) to find, puffing and panting from the mad dash to the office, RSTS is DOWN .

oh, disconcerted console a kindly professor who wanted his paper TYPED in the old fashioned way in the first place. Console over, RSTS is back on the air, and, eagerly renewed, I ask the Word 11 programme cursor to advance a line. Several cups of coffee later, and more professorial consolations, and, eureka, the cursor is off on a tirade to the next page. No one dares to breathe, all is well, THEN the computer attacks the changes. Advance para, yes, good, back up line, delete page, no one dares to breathe, all is well, THEN the professor is sad. the professor says "Where is it" ... a hush lies around, the slot is empty, and the steno passed, and the steno passed over. It is blank, and the steno passed over. It is blank, and the steno passed over. It is blank, and the steno passed over.

Two weeks later, happy professor, fatigued steno, yes, it does look good, we will do a good quality print-out and it does look good, we will do a good quality print-out and send it to the publisher. Publisher is assured it will arrive by the next postal delivery. Slot is reserved for University of Newcastle Research Paper. Department and now clearly convinced modernised professor eagerly awaits his good print-out. Printer broken down is my sad news — only for a short time — I hurry to add. High priests called in, they do their best, but the ghosts and ghouls do not help. Savage they beat their breasts, but lights of printing continue to flash, and the long wait begins. Day one, two, three, four, ten, eleven, twelve — engineer is sent for to the slotted key, and then god calls down his wrath and there is not a printer in the place. The telephone rings on the kind's desk, the publisher quietly says "Where is it" ... a hush lies around, the slot is filled by a typed manuscript — the professor is sad, the dream has gone there is not...
another publishers slot for months .... The computer is still to be wooed. Hopes arise when news is passed from China the priest of priests is coming back. The computer knows when it is beat - but waits out the dreaded day of the return of Father David M. Meanwhile, the G.P. has been called in for the fatigued steno and valium the order of the day. For a brief moment the computer relents and the document is printed, four pages out of the 62 - only - what now?? Professor now competing with the valium takers and the coffee kitty is empty.

To date a super-human effort at professorial patience is being practised, the publisher placated but to no avail, and mod steno determined to put the clock back one hundred years. Still, a weak light shines on my desk my IBM typewriter takes on a new 'efficient' glow. THIS TALE IS TRUE. IT'S MINE - I KNOW ....

EILU PRYCE-DAVIES, Commerce Department.

P.S. "On a more serious tone, the writer of the above wishes to express sincere thanks to Dr. Paul Butler, Mr. Richard Dear and Mr. Dave Hoole for their kind and generous assistance in relation to the above document and also to me personally in dealing with other Word 11 problems. They are kind folks, never too busy to stop and help a struggling 32 steno with futuristic problems way beyond her meagre comprehension !!!"

STAFF

Miss J.L. Carter, Junior Library Assistant, Auchmuty Library.

Dr. B.R. Dawson, Senior Lecturer, Department of Modern Languages.

Miss C.E. Hook, Junior Office Assistant/Typist, Department of Civil Engineering & Surveying.

Miss W. Mead, Stenographer, Department of Psychology.

Miss M. Silvery, Stenographer, Department of Modern Languages.

Mr. P.J. Young, Computer Programmer, Computing Centre.

MECHANICAL ENGINEERS’ CONFERENCE

Among the academic groups that recently selected the University as the venue for a conference is the Heads of Departments and Professors of Mechanical Engineering in Australia. Besides the universities in Australia, the University of Auckland and the Papua-New Guinea University of Technology were represented at the group's bi-annual meeting at the University on May 14 and 15. The participants attended six sessions on which such questions as resources, administration, research, teaching and student exchanges were discussed. Photo courtesy of Newcastle Herald.

Education spokesman

Mr. John Dawkins, Labor's spokesman for Education, will come to the University on Friday, June 4, to give a public talk in the Drama Theatre at 1 pm.

Mr. Dawkins, who is 35, is ALP Member for the Fremantle seat in Western Australia. He was first elected to Federal Parliament in 1974 for Tangney, but lost the seat in 1975.

When Mr. Kim Beazley, Education Minister with the Whitlam Government, retired just before the December, 1977, election, Mr. Dawkins was chosen by the ALP as its candidate in the election.

Mr. Dawkins holds a Diploma with Honours from Roseworthy Agricultural College in South Australia and a degree in Economics from the University of Western Australia.

Whilst at Roseworthy, he was President of the Students' Council, and at the University of Western Australia he was President of the Economics and Commerce Students' Society and a member of the University Senate. He ran his father's small farm during his spare time at University.

Mr. Dawkins served as a member of the House of Representatives' Standing Committee on Aboriginal Affairs on two occasions.

He was a member of the Joint Standing Committee on Foreign Affairs and Defence in 1974 and 1975 and a member of the House of Representatives' Standing Committee on Expenditure in 1979 and 1980. Presently he represents the ALP's Shadow Ministers for Aboriginal Affairs and Communications in the Lower House in Canberra.

Mr. Dawkins is a member of three Federal Caucus Committees - Education, Arts, Science and the Media, Aboriginal Affairs and Economics.

He has accepted an invitation issued by the Eleventh of November Committee to give his first talk at this University. His subject will be What Can Universities Expect From Labor?
EDWARDS HALL
10th
ANNIVERSARY

It is 10 years now since Edwards Hall opened at the University. In that short period a strong sense of community has developed within "the Hall", as demonstrated by the turn-up for the tenth anniversary dinner on Saturday, May 22. More than 200 former members and guests attended.

Of interest to those who came to the University later is the prediction made by some people before the Hall opened that it would not be fully utilised.

The Foundation Warden, Dr. Mike Blackmore, talked to University NEWS after the reunion dinner, at which the Chairman of the Universities Council of the Commonwealth Tertiary Education Commission, Professor Noel Dunbar, was guest speaker.

He says that the Hall has consistently maintained maximum occupancy levels during the academic years and is in a sound financial condition. The Hall has only been able to balance its recurrent budgets from year to year, but has also been able to put aside funds to meet future refurbishing and maintenance costs and the long service leave entitlements of staff employed at the Hall.

Dr. Blackmore says the success of the college was due to the policies adopted and followed consistently by the Hall's governing body, the Board of Trustees, which is responsible to the University Council.

"In my view the most pressing need for this University is more student residential accommodation, preferably another 200 places, so that the University can begin to recover its lost student numbers," Dr. Blackmore says.

When the Hall opened in 1972 the residential fees were $24 per week. This was regarded as fairly expensive at the time.

In the Warden's opinion, the University has been losing potential full-time undergraduates from country areas for some years as a result of the lack of accommodation both on campus and in the city.

We are competing with universities and some Colleges of Advanced Education, who have ample supplies of residential accommodation available, and the problem becomes compounded in that for every first-year student we lose in one year we have also lost a potential second and third year student for succeeding years.

"In the Warden's opinion, the University has been losing potential full-time undergraduates from country areas for some years as a result of the lack of accommodation both on campus and in the city."

In 1982, with a residential fee level based on $60 per week, Dr. Blackmore says, the Hall is considered to be very competitively priced against the cost of what private accommodation there is available in Newcastle.
Strong-Arm Tactics

To celebrate his birthday, Professor Ron Laura entered the New South Wales Regional Arm-Wrestling Championships, taking out first place and a Gold Medal. More than 50 competitors from all over New South Wales battled for six hours to determine their placing in the divisional championships.

Undefeated in his class, Ron Laura then had a friendly wrestle with the previously undefeated champion from the heavier weight divisions. Winning two successive matches, he emerged undefeated.

Before coming to Newcastle, Ron Laura was Victorian Arm-Wrestling Champion for four years running, but last year sustained a severe injury which prevented him from competing in the 1981 N.S.W. Championships. He was thus particularly pleased with the result of this year's competition.

 Asked what's next?, Professor Laura said: "The time has come to take the wrestle out of the arm and put the pen in the hand, as I have one week in which to complete the proofs of my forthcoming book 'The Handicaps of Disability'."

Fund-raising Potential

A Canadian who assessed the curriculum of the University's Medical School from the viewpoint of General Practice believes the School will achieve its goals of graduating doctors who are more aware and more capable of effective communication.

Professor Brian Hennen, Visiting Professor of Family Medicine whilst on a Kellogg Fellowship, said he believed the Medical School's graduates would have a scientific approach to more than the biological aspects of medicine and skills in community-based medical problem solving. He hoped that the Faculty found the necessary resources to adequately document the important aspects of how its graduates differ from those of more traditional schools.

Professor Hennen, who is Professor of Family Medicine at Dalhousie University in Halifax, Nova Scotia, was impressed by the fact that the Medical School was the most General Practice Oriented undergraduate curriculum he had seen anywhere.

"I believe this to be due to the hard work of the three half-time general practice faculty and the facilitative and supportive attitude of the Faculty as a whole under the leadership of the late David Maddison. I hope this emphasis is sustained, but it will require more general practice resources."

He noted that in Australia there was a usual inclination for other faculties in universities to view the medical school as the rich relative. He had not perceived that to be a strong impression here, but it did exist in some quarters.

"Having visited all nine other Australian medical schools this year", he said, "and having reasonable knowledge of fundraising in North America, I can say that Newcastle's medical school has very modest resources. I would even say borderline!"

It was certainly true that medical schools could be of considerable public relations value to universities and had great potential in fund-raising.

The public relations of Newcastle Medical School, through its increasing international reputation as an innovator and as a participant in the Network programme of developing community-oriented medical schools, had already made many people in other countries aware of Newcastle University. The fund-raising potential, he believed, had hardly been tapped.

"My family and I have been virtually overwhelmed by the hospitality afforded us by fellow Faculty in the University and their families, by our neighbours, by Newcastrians and Australians in general, wherever we have visited", Professor Hennen added.

Drama Production

The cast is Pantalone (Mikel Robins), Flaminia (Elizabeth Claessen), Colombina (Karen Lantry), Brigante (Carl Browning), Arlecchina (Christine Kelly), Isabella (Dinny Raftos), Franceschina (Robyn Outram), Lavona (Christine McDougall), Captina Spavento (Nantsou), Oratio (Bernard Purcell) and Flavio (Robert Graham).

For a night of comedy, Italian Style, come to the Drama Studio on any night and you will be sure to find something to titillate your humour.

The Lovers of Bologna has been adapted by Sharon Singleton, an honours student in the Department of Drama, and will be presented by the Department in the Drama Studio on five nights. Admission will be free.

The play will be put on as a Commedia dell'Arte production with such true elements of the 16th century Italian style as masks, slapstick, mine and period costume.

The season of The Lovers of Bologna will run from June 8 until June 12.
A student and two staff members have left with the Australian Universities Cricket Team which is presently touring Singapore and the United Kingdom.

Cameron Ross, an Arts student, is a member of the team, mainly as a bowler, while Mr. H. Bradford is the team’s Liaison Officer and Mr. H. Foyer the Baggage/Scorer.

The team is:

Charles Robinson (Captain), Western Australia; Roger Traves (Vice-Captain), Queensland; Stephen Stephenson, New South Wales; Andrew Coutrice, Queensland; James Dixon, New South Wales; John Grattan-Smith, Sydney; Ken MacLeay, Western Australia; John Maguire, Queensland; Neil Mclean, Western Australia; Michael O’Sullivan, Sydney; Murray Radcliffe, Australian National; David Robertson, Adelaide; James Robson, New South Wales; Cameron Ross, Newcastle and Craig Tomko, Sydney.

Mr. Bob Cotgrove, of the University of Tasmania, is Manager.

Tour Itinerary

Wednesday, June 2, Nets at Lords.

Friday, June 4, Eastern Counties, Cambridge.

Monday, June 7 and Tuesday, June 8, Cambridge University Cricket Club and Fenner’s Cambridge.

Thursday, June 10 and Friday, June 11, Universities Athletic Union.

Monday, June 14 and Tuesday, June 15, Oxford University Cricket Club at the Parks.


Thursday, June 17 and Friday, June 18, Combined Services and United Services Ground Portsmouth.

Monday, June 21 and Tuesday, June 22, Warwickshire Country Cricket Club 2nd XI and Leamington Cricket Club.

Wednesday, June 23 and Thursday, June 24, McAlpines Invitation XI at Marchwiel.

Saturday, June 26 and Sunday, June 27, Durham University.

Sydney, New South Wales, Queensland and Newcastle Universities competed in gymnastics and trampoline events during the vacation at Sydney University.

Miss Judith Goldstone, a Newcastle Science student, capped a magnificent performance by taking out the winning spot in the Advanced Level of the Trampolining Section. Congratulations to Judith and Mr. Jack Garvey, co-ordinator of coaching, University Gymnastics Club.

Competing in the IV Soccer in Melbourne, University bemoaned Melbourne weather, Victorian Referees and extremely fortuitous opponents! However, a good time was had by all, in spite of finishing in a lowly position on the points table. Monash proved to be the final victors.

University Rugby League Club were cock-a-hoop at their fine effort in contesting the final against Sydney University on Friday last. Sydney proved worthy winners but Newcastle were by no means disgraced.

In the IV Table Tennis at ANU Newcastle snapped the pool from a large field of competitors. The following results are pleasing:

Inter-Varsity Contests Winners:

Robert Haberl, Econ. & Comm.
Philip Horton, "
Peter Jones, "
Jim Psaras, "

Men’s Singles Winner:
Robert Haberl, Economics and Commerce.

Men’s Doubles

Beaten Semi-Finalists:
Robert Haberl and Philip Horton (Economics and Commerce).

Mixed Doubles Winners:
Andrea Simmons (ANU) and Robert Haberl.

Congratulations to our team.

No doubt there is a certain gnashing of teeth amongst the larger universities concerning our abundance of Table Tennis talent.

Seminars

A series of monthly seminars entitled Skills Development for People Who Work with People will be held at the University from June until October. The seminars have been organised by the University Counselling Service in conjunction with the Department of Community Programmes.

This year’s series introduces new subject areas. The aim is to provide new learning experiences and refresh and update skills and understanding of techniques.

The seminars are designed to be of value to people whose work involves face-to-face counselling or kindred work in the helping professions.

Each seminar will commence at 9.30 am in the Special Functions Room of the Great Hall and conclude at 4.30 pm. The cost of each seminar is $22.

The details of the seminars are:

June 28, The Gestalt Experience (Lecturer, Gerlinde Spencer);
July 30, A Day with Sigmund Freud (Lecturer, Pat Loftus);
August 27, The Use of Imagery in Psychotherapy (Lecturer, Peter Bamford);
September 27, Introduction to Psychodrama (Lecturer, Dennis Flanagan) and
October 22, Positively Gay - Perspectives on Counselling Homosexuals (Lecturers, Bob Hay and Terry Boulten)
PIG RESEARCH

Pig production in Australia has developed into an intensive industry. Pig-breeder are being assisted to produce better quality pork and bacon under these conditions by a research project being undertaken in the Department of Biological Sciences.

Dr. Angus, Senior Lecturer in Biological Sciences, is applying principles of quantitative genetics and developing computer programmes to improve the quality of pig meat and reduce the time taken to produce it.

He says that today pigs are housed in sheds holding hundreds of breeding sows and their progeny. A large piggery in the Hunter Valley has 2,500 pigs, which produce over 35,000 animals each year.

When animals are produced on this scale, he says, it is essential that they receive proper nutrition and care. Very good or poor nutrition could be financially disastrous to such a venture.

It is also important that commercial pig-breeder use the best strategy to increase yields in order to give the consumer value and an attractive option to other meats.

Dr. Angus points out that a selection index is one of the most effective ways to improve livestock. An index includes many genetic and economical factors, which are then selected together. Most of the index used in Australia are modified from ones appropriate to high latitudes in the Northern Hemisphere.

"By creating a selection index, based entirely on information collected in the northern latitudes, therefore, is not applicable for Australian conditions. It is possible to pick out potential breeding animals from many individuals and rank them in order of merit with respect to their speed of growth and carcass quality.

"Using a computer, it is possible to investigate the performance of breeding animals enabling the breeder to set a level of expected achievement and to detect and discard animals which fail short of it and replace them with freshly selected stock of higher potential".

When the research commenced in 1977, the time needed to produce a 90Kg pig suitable for bacon was over 28 weeks. These had 20mm fat over the back muscle 60cm from the midline at the last rib — the standard measure of carcass quality. By 1982, the time taken to produce a 90Kg pig is 23.5 weeks, a considerable saving of 19 per cent when the growing pig is eating the most food; meanwhile, during the same period, the back fat has fallen to 15mm, resulting in an improvement in carcass quality of 33 per cent. The piggery has had a number of successes in national carcass competitions and is recognized by meat suppliers as a major producer of high quality bacon.

Dr. Angus says that computer-assisted analysis of breeding performance throughout the year has shown the effects of seasonal changes on productivity. The cost of raising pigs in our hot summers can then be calculated and appropriate management decisions made. Thus, it was possible to show that the average litter size conceived in summer is smaller than in winter and may be 20 per cent smaller for litters conceived in heat waves.

Use of computers in animal production is currently gaining interest.

Dr. Angus has received $7,000 support from the Piggery in 1981-82 for computer-assisted breeding programmes. In January, 12 members of the Miyazake Beef Cattle Registration Association, Japan, visited the University to see the programme.

HAUSING SEMINARS

A series of free seminars addressing various aspects of the Hunter Valley will be co-sponsored by the Department of Community Programmes.

The Hunter Region Housing Conference will be held in the City Hall Convention Centre from June 2 to June 3 between 7 and 10 pm each day.

An introduction to, and overview of the housing problems in the region will be given on May 31.

The critical role of land-use planning in resolving the housing problem and advice to prospective homeowners will be the subjects of seminars to be held on June 1.

On June 2 there will be a discussion on housing for fixed income groups.

The possible role of prefabricated housing as a short-term response to acute housing needs will be dealt with on June 3.

On the last day of the conference the matter to be considered is tenancy and provision of rental accommodation.

Speakers to participate in the discussions include Mr. Tom Uren, ALP spokesman on housing, Father Mike Nelson of the Anglican Social Questions Committee, Alderman Allan Morris, of Newcastle City Council, Mr. Frank Wotherspoon, of the Permanent Building Societies' Association, and Ms Stephanie Reay, of Newcastle Youth Refuge.

Mr. John Collins, Lecturer in Community Programmes will act as Chairman for two of the sessions.

The seminar for prospective home buyers will provide advice on such matters as sources of finance, the relative merits of buying and building and the costs of renovating old homes.

As there is a great deal of regional interest in prefabricated housing the seminars on June 3 will outline the types of prefabricated residences present on the market, including kit homes and trailer homes.

The Department of Community Programmes has arranged the conference in association with the Hunter Community Forum and the Hunter Region Community Information Service.
Cleo's use in Research

The Faculty of Medicine has taken delivery of a rare computerised machine which will assist the Faculty to treat patients with cancer and other diseases involving the immune system.

The machine — a flow cytometer costing approximately $150,000 to set up — uses a laser to permit the operators to examine lymphocytes and other cells in the blood of patients. The cytometer is driven by a computer, which also correlates the data supplied.

In his section in the David Maddison Clinical Sciences Building in Newcastle, Professor Robert Burton, Professor of Surgical Sciences, is using the flow cytometer to continue his research interest he began at Harvard University.

In Professor Burton's own words: "The machine, which we have called Cleo, is the first of its kind to go to any country outside the United States. Unlike the human eye and the microscope, where examination of more than 100 cells per sample is difficult, Cleo examines up to 5,000 cells per second — and much more accurately than is possible with the eye.

"I am using this machine to study lymphocytes and other cells in the blood of patients with cancer, and other diseases. This new technology is based on the marriage of the two greatest technical advances in techniques in immunology this century, namely immunofluorescence flow cytometry and hybridomas producing monoclonal antibodies."

The last two years at Harvard working mainly with renal transplant patients — have established a valuable role for this "new immunology" in kidney transplantation. In Newcastle we shall be testing its applicability to a wide range of diseases — cancer, rheumatoid arthritis and others," Professor Burton said.

Enrolment

Enrolments of students as at April 30, totalled 4,273, a decrease of 3 per cent from the 4,391 in 1981. There is however a slight recovery in the full-time to part-time student ratio: 55 per cent in 1979; 52 per cent in 1980; 48 per cent in 1981 and 51 per cent in 1982.

Male students number 2,649 (62 per cent) female 1,624 (38 per cent), the percentages being constant in 1980, 1981 and 1982.

Ph.D. enrolments, 189, continue to rise at the steady rate of 10-15 per cent in recent years but research masters, 142, are well down compared with the figures of 170-180 of a few years ago. Coursework masters enrolments continue to show a marked increase, 200 compared with 165 in 1981, due mainly to the popularity of the Master of Business Administration and the Master of Educational Studies courses. This year lack of accommodation made it necessary to place a quota of 45 on the admission of students to the B.E. courses in Computer and Electrical Engineering and a high intake of new students to the B.Sc.(Arch.) course has created accommodation difficulties in that area.

The greater number of our overseas students, 246 compared with 165 in 1981, came from Singapore, Hong Kong, Malaysia and India with most of the new students concentrating on Architecture, Commerce and Engineering courses.

Others came from Bangladesh, Belgium, Egypt, Fiji, Ghana, Indonesia, Iran, Italy, Japan, New Zealand, Norway, Pakistan, Romania, Sri Lanka, Taiwan, Tanzania, Thailand, U.S.A., Vietnam and Western Samoa.

"FIRST" in Australia

The wide variety of tertiary institutions represented at the Small Business Research Conference made the conference a "first" in Australia.

The conference, held on May 17 and 18, was organised by the Institute of Industrial Economics, whose Chairman, Sir Bede Callaghan, spoke to an audience of 35 when he welcomed the attendees.

Although small business is a relatively new area of research in Australia, a number of seminars, workshops and conferences have been held to discuss the problems of small businesses.

However, researchers from Technical Colleges, Institutes of Technology, Colleges of Advanced Education and Universities in several states, as well as from Government, gathered at the University to subject their research efforts to criticism and general debate.

Mr. Ken Whatson, representing the Northern Development Bank, Professor Brian Johns, Director of the Bureau of Industry Economics and members of the local business community also attended.

Research papers dealt with Small Business Failure, Predicting Entrepreneurial Success, Finance for Small Business, Taxation of Small Business, Measurement of Absence in Small Business, Education and Training of Management in Small Business and other topics. It is planned to publish the proceedings in July or August in an attractively illustrated volume.

At the conclusion of the conference, Dr. David Back, of Tasmania CAE, congratulated the Institute members on their initiative in organising such a successful and academically useful conference, and recommended a repeat performance in about two years time.
RECRUITMENT

On July 22, two senior engineers from the Production Department, Esso Australia Ltd., will visit the University with a view to recruiting final year undergraduates or postgraduate students to start employment in 1983.

Each year, Esso's Production Department recruits a number of graduates from all branches of Engineering to work either in the main operations centre at Sale, in Victoria, or with some technical groups located in Sydney.

Engineering responsibilities in the Production Department are varied and include:

- planning and economic evaluation of new ventures and of expansions or modifications to the existing production systems;
- design and construction of offshore platforms, pipelines and processing plants;
- surveillance and evaluation of operations involving the production and processing of oil and gas;
- surveillance of drilling activities including preparation of the drilling plans and follow-up of the drilling operations for both wildcat exploration and development wells;
- evaluation of oil and gas reservoirs, including the development of mathematical models enabling the recovery of oil and gas to be maximised.

An audio-visual presentation of Esso's operations in Bass Strait will be given in Lecture Theatre EF02 on July 22 commencing at 9.05 am. Engineering and other students are invited to attend this public lecture.

Engineering students interested in employment with Esso Australia Ltd. in 1983 are invited to call at the Careers & Student Employment Office and make an appointment to talk with the two representatives.

MATHMATICS CONFERENCE

When the Australian Mathematical Society held its 26th annual meeting on the campus, the distinguished mathematicians who attended drew the attention of large sections of both the University and local communities. Pictured at one session are (from left): the Immediate Past President of the AMS, Professor Larry Blakers, of the University of Western Australia, Professor Paul Erdős, of the Hungarian Academy of Sciences, Professor Bernhard Neumann, Professor John Gils, Chairman of the organising committee, and Dr. Sean McElwain, the committee's Liaison Officer.

The Australian Mathematical Olympiad team, which trained at Morpeth, paid a visit to the annual meeting on campus. Pictured are the four members of the team, which will represent Australia in Budapest in July, with Team Leader, Mr. Jim Williams (left) and Professor George Szekeres.

Photo: Newcastle Herald

STRESS

The University Counselling Service is offering a course entitled Prevention of Stress to members of the University's staff.

The course will provide participants with information about the nature of stress, in particular its effects on both bodily and mental functions and personal relationships, and it will enable them to become more aware of the signs of stress. The course will also outline a wide range of practical skills for reducing stress.

A meeting will be held in the Music Room in the Great Hall on June 10 at 1 pm to determine a suitable time to hold the course.
Please turn lights off when not in use.

$ave it.
Save Power. Save Money.

Stickers requesting members of the University to turn off lights when they are not being used are currently being placed on light switches in buildings right across the campus.

Initiatives taken by the Property Division resulted in the University's energy consumption being reduced by a third between 1978 and 1981. However, the cost of energy increased owing to the changeover in tariffs and higher charges for fuel, oil and gas.

The Property Division embarked on an energy conservation programme covering all the University early in 1979. The amount of energy consumed in 1978 was a record 46.23 Terajoules, including 31.1 Terajoules of electricity.

Since then the annual energy consumption figures, reflecting the effect of the initiatives to save energy, have been:

- 1979, 35.2 Terajoules;
- 1980, 33.5 Terajoules;
- 1981, 30.7 Terajoules.

As consumption is mainly controlled by individual users, the Division considers it essential to continue to publicise widely the need to economise in energy use wherever possible.

NEW BUS SERVICE

When the Minister for Transport in New South Wales, Mr. Cox, released details of the Government's Hunter Region Transport Improvement Programme, he announced that a new bus service would be introduced between Bar Beach and the University and the CAE. The bus began operations on Monday, May 24.

The new service, known as Route 236, commences in Darby Street at the Parkway Avenue stopping place on Mondays to Fridays and consists of two journeys departing at 8.15 am and 9.15 am. The buses arrive at the University at 8.47 am and 9.47 am and at the CAE at 8.50 am and 9.50 am in time for lectures commencing at 9 am and 10 am. Return journeys depart from the CAE at 4.15 pm and 5.17 pm and leave the University at 4.18 pm and 5.20 pm after lectures finishing at 4 pm and 5 pm.

Route 236 operates via Darby, Patrick and Watkins Streets, Glebe, St. James, Bridges, Lambton, Greta and Hobart Roads, Howe and Croudace Streets, Bluegum Road, Hugo Avenue and Rankin Drive. On the return journey buses operate through New Lambton via Hobart, Tauranga, Lamton, Wallarah and Russell Roads, Royal Street and St. James Road.

The object of this service is to provide a more convenient and direct service from the Bar Beach/Merewether area through Hamilton South, Adamstown and New Lambton, providing the opportunity to connect at Adamstown Shopping Centre with lakeside services operating via Charlestown, and in the vicinity of the Gully Line with services operating via Cardiff.

In addition, Route 233 departing from Newcastle at 8.06 am for the University and CAE and the return journey from the CAE at 5.07 pm will be withdrawn and replaced by two journeys departing Newcastle at 8 am and 8.55 am to the University, which will return at 4.15 pm and 5.10 pm. This new service will be known as Route 225 and will follow the normal Route 227 via Georgetown to Marahah Hospital, then via Rankin Drive and vice versa.

The Urban Transit Authority says that each of the two new services will be introduced on trial and their continued operation will be dependent upon the patronage received.
APPROVAL AT LAST

Permission for land near the Myall Lakes National Park to be used as a site for a field studies centre has been granted by Great Lakes Shire Council.

The retiring Chairman of the Myall Lakes Field Station Committee, Mr. Les Gibbs, reported this to the last meeting of the committee.

Mr. Gibbs said that receiving the Council’s development approval gave considerable personal satisfaction, as the committee, established jointly by the University and Newcastle College of Advanced Education, had been endeavouring for more than five years to obtain a site near the Myall Lakes for use by students and staff of both institutions.

Late in 1981, the University was able to finalise leasing arrangements with the owners of a block of land adjacent to Boolambayte Creek. Finalisation of the lease was subject to development approval being obtained from the Great Lakes Shire Council.

Now that this has been done it is hoped that facilities can be provided on the site to enable it to be used in the near future.

The camp site will provide a base for students to carry out field studies in biology, ecology, geography and geology in the surrounding areas, which include the Myall Lakes National Park and Bulahdelah State Forest. Use of the camp by other students of the University and College for various organised activities may also be made.

Use of the site will depend upon the provision of basic facilities, including toilets, storage and a covered area for dining and cooking. Building approval for these developments is yet to be obtained from the Great Lakes Shire Council, but it is hoped that some use of the site will be made in 1983.

BLOOD PRESSURE

A free blood pressure check will be available to students and staff at the University Health Service on THURSDAY, JUNE 17. No appointment is required.

If you care to bring along a urine specimen, it too will be tested.

Remember Thursday, June 17 between 10 am until 12.30 pm or from 1.30 pm until 4 pm at the University Health Service.

LECTURER at LYCEUM

Dr. Don Wright, of the Department of History, delivered the inaugural W.G. Taylor Lecture to a substantial audience in the historic Lyceum Theatre in Pitt Street, Sydney, on May 23. The original Lyceum Theatre, destroyed by fire in 1964 but rebuilt on the same site, was the scene of both the first motion film and the first "talkie" shown in Sydney.

In 1908 it became the home of W.G. Taylor’s "Central Methodist Mission" and has remained the scene of its major activities ever since.

Dr. Wright took as his subject, ‘W.G. Taylor and the Foundation of the Sydney Central Methodist Mission’.

The occasion of the lecture was the 98th anniversary of the C.N.M. Dr. Wright is researching the inter-relations between the Mission and the society of which it is a part.
Advertisements

WANTED.

NAPOLEON once said: "China is a sleeping giant...". For the purposes of a minor footnote for a book I am writing, I would dearly like to find the full quotation, and a source of reference.

THEORETICALLY -- I am offering a reward -- one bottle of Elizabeth Reisling for the correct information.

E. ANDREWS, History Department. (Extension 365).

COLLAGE MATERIAL

- wool, soft wood, materials, paper, cardboard, cotton reels etc.;
- dress-up clothes (e.g. beads, hats, coats, capes, etc.);
- old kitchen utensils (e.g. egg beaters, egg cups etc.);
- old manual typewriters, cash registers, wind-up clocks, tyres and inner tubes;
- OR
- any items that children, aged between two years and five years, may find useful.

Items may be left at the Publicity Office or at the Child Care Centre on campus. Please telephone 67 3475 for inquiries.

LOST

18ct. YELLOW GOLD and DIAMOND PENDANT. Please contact Extension 489.

FOR SALE

1974 QATSU 1808 SSS MANUAL, imported one owner coupe, new tyres, new exhaust, new radiator, good condition, extras, registration due July. $2,700 or near offer. Please telephone Extension 356 or 75 2995 and ask for Vicki.

EMPLOYMENT

The following persons would like to type theses, reports, occasional papers etc.

Johann Marsden at 68 5650
Patricia Benzen at 33 4834
C. Camps at 55 9323
J. Gennette at 68 5720
Sue Maloney at 51 3614
Jan Cullister at 51 1924
Faye Morton at 67 4147

DIARY OF EVENTS

MONDAY, MAY 31

1 pm SRC LECTURE to be presented by TOM UREN. Venue: Courtyard.

1 pm Preliminary meeting to arrange for Feldenkrais (AWARENESS THROUGH MOVEMENT). This course will run for one hour per week during second term. Venue: Counselling Service Theatre.

TUESDAY, JUNE 1

13.30 pm Department of Philosophy seminar: KANT'S ARGUMENTS FOR HIS FIRST ANALOGY. Guest Speaker, Lindsay Porter. Venue: Alice (McMullin Building).

WEDNESDAY, JUNE 2

1 pm Preliminary meeting to arrange for the RELAXATION COURSE. Participants learn techniques of relaxation and reducing tension in a series of five one-hour sessions. Venue: Counselling Service Theatre.

7 pm FIRST and ONLY INAUGURAL SRC DINNER. Guest speaker: PATRICK COOK, cartoonist for the National Times. Entertainment provided by SUE CRUICKSHANKS and HAMFATS. Cost: $5 for students, $8 for guests. The tickets are available from the SRC Office. Venue: Southern Cross Lounge.

FRIDAY, JUNE 4

3 pm to 3.30 pm Department of Civil Engineering & Surveying Seminar: MODERN HYDROGRAPHIC SURVEYING. Guest speaker: P. BLUME, (Surveyor, Newcastle Maritime Services Board). Venue: EAG01.

6 pm to Commencement of TEA CEREMONY CLASSES, presented by the Japanese Section. Instructor: MRS. YOKO NISHIMURA (Visiting Fellow in Japanese Culture). Venue: Room G41 on alternate Fridays.

SATURDAY, JUNE 5

9.15 am One-day seminar on COMPELLING DIETING. Principal speakers include: J. Graham, Martin Epstein, Barbara Brown, Sandra Pertot, Victor Pitcher and Sandy Held. Venue: Lecture Theatre K202. (Medical Sciences Building)

SUNDAY, JUNE 6

8 pm Newcastle Film Society presents: BLACK and WHITE IN COLOUR, Annavo (1976). Venue: G01.

MONDAY, JUNE 7

9.18 am One-day seminar to be conducted on MEETING CHILD-CARE NEEDS in a RAPIDLY CHANGING SOCIETY. Discussion leaders include: Robyn Drake, John Alexander and Wendy Schiller. Venue: Lecture Theatre R02 (Geography Building).

TUESDAY, JUNE 8

13.30 pm Department of Philosophy Seminar: "SARTRE, the 'OTHER', and FEMINISM". Guest speaker: MAX DEUTSCHER (Macquarie University). Venue: Alice (McMullin Building).

WEDNESDAY, JUNE 9

7 pm ENGINEERS' FORMAL BALL. Tickets are available at the Union Bank Agency and they cost $4.

University NEWS is published on a two-weekly basis in the Secretary's Division for the Editor, The Secretary, The University of Newcastle. Stories and items should reach Mrs. John Armstrong or Mrs. Linda Anselmi, Cl/ Room G58(a) or Room G60 in the McMullin Building by 5 pm on the Thursday before the publication date.