



THE UNIVERSITY OF WOLLONGONG

CAMPUS NEWS

A WEEKLY INFORMATION SHEET

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Distributed each Friday.

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News Flashes

SCHMIDT TAKES UP CHAIR

Professor Lewis Schmidt took up the Chair of Civil and Mining Engineering on 1st March 1983. The Chair was left vacant by the retirement of Professor Charles Gray on 9th January 1980.

When asked what he thought of Wollongong's engineering students he said that the quality of any University's basic training was ultimately tested in the market place for the University's graduates. As far as he was aware there were no civil engineering graduates from Wollongong who were looking for work, which was a good sign. He went on to say that to be a good University there had to be a proper balance of all disciplines available to students. Engineering is all about observation, measurement and calculation of phenomena and in this respect computing was becoming increasingly important. He believed that undergraduate courses in Civil Engineering should reflect this development.

On the question of research, Professor Schmidt said that in a small department there is always a problem in developing a team approach to research projects as the department had to have a wide spread of research interests in order to be able to teach all aspects of the discipline. He hoped that he would be able to encourage the development of a team approach to some research topics especially between the civil engineering and mining engineering sides of the department.

Professor Schmidt's own research interest is in the field of structural stability. When asked if he saw himself as having any interest in applying his research to local problems he said that the sorts of techniques he had developed could be applied in any environment. However he saw the mining engineering side of the Department as having special relevance to the local scene.

On the question of enrolments Professor Schmidt said he was happy with the numbers enrolling in the undergraduate and postgraduate degrees. However he was not happy with the numbers of women enrolling in engineering, he felt that there was a need for female school leavers with good results in mathematics and science to think seriously about engineering as an option, especially in view of the rewarding careers for engineering graduates.

Professor Schmidt will serve the University on Senate, the Graduate Studies Committee, the Faculty of Engineering Planning Committee and the Faculty of Engineering.

AUSTRALIA'S FUTURE - CHIPMAN

Professor Lauchlan Chipman of the Department of Philosophy recently addressed a Management Development Programme at the Australian Administrative Staff College at Mt. Eliza: the topic was "Australia's Future - the coming clash of ideals".

A copy of the paper is available from the Editor. The paper ranges over wide issues, basically focussing on the conflict between the principles of equality and liberty. He states that excesses in either one of these two principles decreases the other.

In one interesting futuristic glimpse he speculates about the future of education in the push button age of information technology. He says:

"The educational potential for distance teaching is immense. A combination of audio-video tapes and interactive computer inestimably increases the possibility for learning at home. Coupled with the already existing aids of books, tapes, correspondence exercises, and intensive residential schools, 'external' study, particularly at tertiary level, will become far more attractive and indeed far more efficient.

In all educational areas, teaching expertise would not necessarily have to be associated with one particular home base institution. In particular I believe that, at the university level, we should move away from the idea of the Department and its academic staff, all of whom are or aspire to be in tenured connection with that institution, to the idea of the itinerant academic who would contract himself or herself to various institutions to work in accordance with a negotiated income and conditions contract. Growth in educational software must reduce the need for the type of staffing structures with which we are familiar in the academy, and perhaps even in the schools. Academics would become more like actors who would negotiate their teaching work on the basis of proven performance skills, while their research would be funded directly on the basis of proven potential and past results."

UNIVERSITY OF WOLLONGONG ATTRACTIVE TO LOCAL YOUNG PEOPLE

Over the last few years the University's Schools Liaison Officer, Mr Tom Moore, has been conducting research into the aspirations and destinations of young people undertaking the H.S.C. examination in South Coast high schools.

The research, which has had the active support and encouragement of the Regional Director of the N.S.W. Department of Education, is designed to provide information on young people at two stages in their lives.

The first stage, Part A, surveys Year 12 students shortly before they undertake the H.S.C. examination and asks them a series of questions related to their background, their H.S.C. programme, their perception of the schooling process and their intentions on leaving school.

The second stage, Part B, follows up the young people after they have left school. It seeks to establish further information including what they have actually done on leaving school.

The project, which does not seem to have been attempted elsewhere, has now been undertaken on two occasions. It has provided us, for the first time, with hard data on a series of issues including where young people go and what they actually do on completing the H.S.C.

While much of the data is still to be reviewed, a clear picture is emerging of the high regard in which the University of Wollongong is held by local young people. Specifically the following figures show that the University is very successful in attracting young people from our immediate drawing area, Bulli to Nowra, who proceed to University for the types of degrees we offer.

When it is considered that other universities offer specialisations not available here, e.g. the possibility of majoring in Modern Greek in an Arts Degree, the figures are all the more impressive.

Survey data is summarised opposite.

MECHANICAL ENGINEERS WIN MEDAL

The Institution of Engineers, Australia, has awarded the George Julius Medal to the four authors of a paper entitled "The Design of Gravity Storage Systems for Bulk Solids" which was published in the Transactions in September 1982.

The Award is made annually for the paper judged by the College Board to be the most outstanding in the discipline of Mechanical Engineering during the previous 12 months.

The proud authors are Dr Peter Arnold and Dr Arnold McLean from the University of Wollongong's Department of Mechanical Engineering; and Professor A.W. Roberts and Mr O.J. Scott of the Mechanical Engineering Department in the University of Newcastle.

The paper described how in recent years significant advances have been made in the study of the storage and flow characteristics of bulk solids. As a result there are now well-established materials testing and associated design procedures to enable storage bins to be designed for reliable and predictable flow. The paper briefly outlined the design philosophy of storage bins and bottom reclaim stockpiles. Particular attention was paid to the design procedures based on flow property measurements, techniques for predicting bin wall pressures, feeding of bulk solids from gravity discharge hoppers, and the prediction of flow rates of fine powders from mass-flow bins. Comments were made on some practical considerations which are often neglected when bins and hoppers are being designed, detailed, constructed and operated.

Summary of data from the 1980-81 and 1981-82 surveys of the aspirations (Part A) and destinations (Part B) of H.S.C. candidates from high schools in the South Coast Region.

	1980-81 Survey	1981-82 Survey
1. Number of respondents to Part A (Aspirations)	1294	1026
2. Number of respondents to Part B (Destinations)	879	688
3. 2 as a % of 1	68%	67%
4. Number of respondents to Part B who proceeded directly to university for one of the degrees of the type we offer	147	132
5. 4 as a % of 2	16.7%	19.2%
6. Number of respondents to Part B who proceeded directly to the University of Wollongong	101	99
7. 6 as a % of 4	69%	75%
8. Number of respondents to Part B who attended high schools from Bulli to Nowra who proceeded to university for degrees of the type we offer	120	110
9. Number of respondents to Part B who attended high schools from Bulli to Nowra who proceeded directly to the University of Wollongong	94	96
10. 9 as a % of 8	78%	87%

FM RADIO EXTENDED BY ABC

Very soon, the ABC's FM Stereo network will be extended to Wollongong. From its transmitter at Knights Hill ABC FM Wollongong will serve a large part of the southern coast of N.S.W.

If readers receive a satisfactory television picture from ABWN Channel 5A then they should receive ABC FM satisfactorily on an FM receiver. The frequency will be 107.9 MHz.

A copy of the current issue of the ABC's programme magazine "24 Hours" is available from the Editor. When ABC FM transmission begins, "24 Hours" will be on sale within the coverage area.

Before then, however, the Telecom engineers will be conducting test transmissions which, depending on technical considerations, will begin on or about March 14.

Test transmissions consist of scheduled programmes with some periods of unannounced music. The March "24 Hours" will give readers a guide to most of what can be heard.

For further information, contact the ABC on (042) 293751.

ALI ADVISES IAC ON STEEL INDUSTRY

Dr. Shamsheer Ali of the Department of Economics has submitted a paper to the Industries Assistance Commission on Federal Government intervention in the Australian basic iron and steel industry.

The paper assesses the criterion for government intervention, the opportunity cost of government subsidy and the long term viability of the industry.

Dr. Ali concludes that static and dynamic considerations make government intervention in the basic iron and steel industry demonstrably correct. Copies of the paper are available from the Editor.



Campus Community Interface

HERITAGE WEEK 1983

April 10 - 17 is Heritage Week.

The University's main activities will be:-

Sunday, April 10: "Heritage by Wheels". Steam train tour from Sydney to Kiama. Local people will be given the opportunity of boarding the train at Wollongong for the trip to Kiama and return. Free tours in 1930's vintage buses, with commentaries on historic sites - including the site of an experimental blast furnace in the University's north-west corner. More details later.

Anyone with items to display please contact Winifred Mitchell, Robyn Cowan or Ben Meek.

Wednesday, Thursday, Friday, April 13-15: Visiting Historian, Professor Ken Inglis, A.N.U., Visiting Professor in Australian Studies at Harvard 1982. Faculty Seminar Wednesday on the Bicentennial History; lecture in Australian History on Thursday; dinner in Union Common Room Wednesday and address on the Wollongong War Memorial.

Friday, April 15: Vice-Chancellor's Seminar, The Tyranny of Transport. Details later, but a group of good speakers is assured.

HERITAGE WEEK PHOTOGRAPHY COMPETITION

\$300 in prize money courtesy of South Coast Colour Photography.

Black and white or colour prints invited on Illawarra's urban, industrial or transport heritage.

Entries close Friday 18 April.

Contact Union Office for further information.

GRADUATES GROUP ATTRACTS NATIONAL CONFERENCE

Ald. Keith Phipps, Chairman of the Graduates Group within the Friends organization has announced that the 1984 national meeting of the Australian University Graduates Conference will be held in Wollongong from 11-14 February.

The following members of the Group have been elected to the Conference Organizing Committee:

Alderman Keith Phipps (Chairman)
Miss Sue Corderoy
Mr John Daley
Mr John Hawes
Mr Terry Nunan
Mr Giles Pickford
Mrs Joanne Symes

The first meeting of the Organizing Committee will be held on Wednesday 23 March in the University Council Room at 5.30 p.m.

GRADUATION EVE CHAMPAGNE RECEPTIONS

The Graduates Group has arranged for the Friends of the University and interested staff to meet the new graduands on the eve of their graduation.

Champagne receptions will be held in the Union Common Room at the following times. PLEASE PUT THESE IN YOUR DIARY NOW.

Faculty Sector Graduands - 11 May at 6.30 p.m.

Institute Sector Graduands - 26 May at 6.30 p.m.

The Annual General Meeting of the Friends of the University will precede the Faculty Sector reception. It will begin at 5.30 p.m. in the Union Common Room.

The next scheduled meeting of the Graduates Group will precede the Institute Sector reception. It will begin at 5.30 p.m. in the Union Common Room.

FRIENDS HELP WITH STUDENT ACCOMMODATION

The Friends of the University organised a get-together between University students and Senior Citizens on Tuesday, 8th March, 1983, during Senior Citizens Week.

It transpired that students, especially first year students, often seek board in a home close to the University, and that such board is often available in the home of a senior citizen. The students' need is for reasonably priced accommodation close to the University and the senior citizens' need is for small amounts of rent which do not interfere with pension eligibility and also, more importantly, for companionship.

Any students who are interested in such board should contact Greg Hampton, the University Counsellor, as soon as possible. People seeking accommodation are then referred to the Senior Citizens Centre, Princes Highway, Fairy Meadow (Telephone 283748) or the Wollongong Senior Citizens Centre, Gipps Road, Gwynneville (Telephone 297854).

Advertisements are then placed on the notice board at these two centres and the President makes announcements about students who are seeking accommodation. A meeting is then arranged between the students and the senior citizens concerned and things are expected to go smoothly from there on.

Once again the Friends have provided a useful service to the University and its students.

Seminars

DEPARTMENT OF BIOLOGY

On 21 March in Room G25 of the Metallurgy Building, Professor R.E. MacMillen of the Department of Ecology and Evolutionary Biology of the University of California will speak on "The physiological ecology of granivory in desert rodents".

DEPARTMENT OF MATHEMATICS

The following seminars will be held at 3.30 p.m. in the Austin Keane Building, Room 204.

- 18 March - Professor C. Rogers (Department of Applied Mathematics, University of Waterloo, Canberra).
"Introduction to Backlund Transformations".
- 25 March - Dr. T.S. Horner (Department of Mathematics, University of Wollongong).
"Some problems in numerical linear algebra".

Further information is available from Professor John Blake, Department of Mathematics (Phone 042.282878).

ENGINEERING & PHYSICS IN THE LIFE SCIENCES

Details of this meeting to be held at the Hyatt Kingsgate in Sydney from 11-14 October, are displayed on the Campus News Notice Board at the southern end of the Hut.

ELECTRICAL AND COMPUTER ENGINEERING

Professor Dr-Ing Dietrich Naunin, of the Technical University of Berlin, will conduct a colloquium on "Control strategies and micro computer control of three phase machines" at 2.15 p.m. on Friday, 18 March in Pentagon Theatre 5.

Professor Naunin will be visiting the Department of Electrical and Computer Engineering at the University of Wollongong for approximately two weeks during which time he will present a lecture series dealing with the analysis and performance of variable speed drives.

DEPARTMENT OF ECONOMICS

On 25 March, 1983, at 10 a.m. in room 206 of the Social Sciences Building, Professor M.C. Brown of the Department of Economics, University of Calgary, and the Centre for Research on Federal Financial Relations, Australian National University, will speak on "Problems and Prospects Concerning Health Funding in Canada".

Professor Brown is a world expert on health care funding. The seminar will not be technical and non-economists are welcome to attend.

ANZAAS SYMPOSIUM ON MANPOWER PLANNING AND INDUSTRIAL DEVELOPMENT IN UNCERTAIN TIMES

The above symposium will be held at Turner Hall in the N.S.W. Institute of Technology on Thursday, 24 March, 1983. Details are displayed on the Campus News Notice Board in the Hut.

AUSTRALIAN INSTITUTE OF MANAGEMENT

AIM will be holding a hospitality evening on Wednesday, 23 March, 1983.

An opportunity will be given to non-members of AIM to meet the committee. The theme of the evening will be "Managing During Adversity - 1983" with some suggested priorities for action as seen by

Mr. R.J. Pearson, Chairman, Illawarra Industry Development Board
Mr. H.J. Trewartha, General Manager, Production, John Lysaght (Australia) Ltd., Port Kembla
Mr. D.J. Malouf, Managing Director, The Dougmal Group of Companies, Wollongong.

Anyone interested should contact Mrs. Thelma Smyth before 17 March, 1983. Telephone 297311 ext. 419 or 282419 Monday - Thursday 10 a.m. - 3 p.m. A/H 284075.

General Notices

LIBRARY OPENING HOURS 1983

Monday - Thursday	9 a.m. - 10 p.m.
Friday	9 a.m. - 6 p.m.
Saturday	9 a.m. - 5 p.m.
Sunday	1 p.m. - 5 p.m.

Public Holidays	
Good Friday	Closed
Easter Saturday	Closed
Easter Monday	9 a.m. - 5 p.m.
Anzac Day	9 a.m. - 5 p.m.
Queen's Birthday	9 a.m. - 5 p.m.
Eight Hour Day	9 a.m. - 5 p.m.

ALTERATION TO TRAFFIC

Staff and Students are reminded that the entrance to the Union car park from East Road is marked "No Exit" and traffic is only permitted to enter the car park from East Road. All egress from the Union car park is from Union Road.

UNION ANNUAL GENERAL MEETING

The Union Annual General Meeting will be held on Wednesday 13th April. Motions for consideration at the meeting must be submitted to the Union office in writing by 12.00 noon on Monday 21st March and signed by the proposer and seconder.

WOLLONGONG ARTS COUNCIL

At a public meeting held at the City Art Gallery on 10th February 1983 and attended by over 30 people a decision was taken to establish a Wollongong Arts Council.

The new body will be affiliated to the Arts Council of N.S.W. Ltd., and its job will be to promote and develop all aspects of the arts in the Illawarra region - including visual and creative arts, as well as the performing arts.

An extremely able Committee of Management was elected at the meeting, with expertise in a wide range of cultural activities. Joan Phillips was elected President

and David Long Vice-President. Other members are Paul Hunt, Robyn Liddicoat, Peter Shepherd, Trish Holleley, Gary Stonehouse, David Vance and Geoff Williams who will serve as Secretary.

All persons interested in supporting the arts are invited to become members of the Wollongong Arts Council. Annual subscription is \$5 per person which not only allows participation and voting rights at general meetings but also entitles concessionary rates to events organised by the Wollongong Arts Council and a regular copy of the Wollongong Arts Diary.

WOLLONGONG ARTS COUNCIL

APPLICATION FOR MEMBERSHIP 1983

I/We (Block letters)

of

..... Tel. No:

apply for membership of the Wollongong Arts Council

and enclose remittance of \$ (\$5 per person per year).

Cheques should be made payable to:
WOLLONGONG ARTS COUNCIL.

Send to: The Secretary, Wollongong Arts Council,
c/- University Union, University of Wollongong,
P.O. Box 1144,
Wollongong. 2500.

Concerts, Exhibitions and Entertainment

THEATRE SOUTH LAUNCHES 1983 SEASON

Theatre South has launched an impressive array of entertainment for 1983.

The public can save 20% by purchasing a season ticket to the following plays:

What the Butler Saw - April 15 to May 7 (Wednesday - Saturday 8 p.m.) at Wollongong Technical College Theatre

Might As Well Talk To Yourself - May 20 to June 4 (Wednesday - Saturday 8 p.m.) at Wollongong Technical College Theatre

On Our Selection - July 1 to July 23 (Wednesday - Saturday 8 p.m.) at Wollongong Town Hall Theatre

The Birds Have Flown - August 27 to September 10 (Wednesday - Saturday 8 p.m.) at Wollongong Town Hall Theatre. (This play is sponsored by the Friends of the University of Wollongong).

The Perfectionist - October 7 to October 22 (Wednesday - Saturday 8 p.m.) at Wollongong Town Hall Theatre

A season ticket to all 5 shows costs only \$40. Enquiries to Theatre South on (042) 282923, or P.O. Box 1144, Wollongong, NSW, 2500.

CITY OF WOLLONGONG SYMPHONY ORCHESTRA

On Saturday, March 19, at 8.00 p.m. in the Wollongong Town Hall, Dennis Hennig, solo pianist, will feature in a programme including works from Vaughan Williams, Rachmaninoff and Beethoven. Tickets: \$7.00, \$5.00 concession available at the door. Subscription season tickets for four concerts still available at Jurjens Pianos, 232 Keira Street, Wollongong. Prices \$21.00, \$16.00 concession.

POETS UNION

On Sunday March 20, 3 p.m. at Wollongong City Art Gallery, the second in the series of three Gallery Readings of contemporary poetry and prose will occur. Admission is free thanks to the support of the Australia Council. There will be six readers. From Sydney: Finola Moorhead (feminist prose writer), Sasha Soldatow (gay performance poet), and Suzy Malouf (short prose fiction writer). From Wollongong Poets Union: Dorothy Swoope (poet), Richard Harland (poet, prose writer and critic), and Peta Spear (poet and short prose fiction writer).

MUSICA VIVA 1983

Enjoy the Wollongong Concert Season with James Bowman Ensemble, Endellion Quartet, Sydney String Quartet, Canberra Wind Soloists and Sirocco.

For a free brochure with all details call at: Jurjens, Town Hall, City Art Gallery or Wollongong University Union. Phone (042) 297833.

ABC CONCERTS 1983

Four great concerts from the Sydney Symphony Orchestra. Conductor: Georg Tintner; Soloists include: Peter Rostal and Paul Schaefer, and duo piano; Bernadette Greevy, contralto; Donald Westlake, clarinet; Dene Olding, violin; Penelope Thwaites, piano.

Book now at Wilsons Record Bar. Detailed brochure available at Box Office.

ILLAWARRA MUSIC CLUB

Saturday 23 April	Pamela Mildenhall and David Vance
Thursday 16 June	Semi-finals of National Operatic Aria Competition
Friday 17 June	National Operatic Aria Competition Finals
Friday 7 October	Albert Landa
Friday 25 November	Sydney Conservatorium Symphony Orchestra

Subscriptions: Adult \$16; Concession \$8; Family \$32

Bookings: Jurjens (Tel. 292379) or University of Wollongong Union, P.O. Box 1144, Wollongong. 2500 - Telephone 297833.

WOLLONGONG ARTS DIARY

March

Friday 18 - Official Announcement of 3rd Wollongong Pipe Organ Festival - Wollongong City Gallery - 6.00 pm \$5

Saturday 19th - Renaissance Players in Concert - Wollongong City Gallery - 8.00 pm - \$6

Saturday 19th - Wollongong Symphony Orchestra and Dennis Hennig (Piano) - Wollongong Town Hall - 8.00 pm

Wednesday 23rd - Lunch-time Concert - University Union Hall - 12.45 pm - Free

Sunday 27th - Sunday Afternoon Concert - Wollongong Town Hall - 2.30 pm - Free

Tuesday 29th - "The Heroines of Puccini" - Carmel O'Byrne Ferlisi (Soprano), David Vance (Piano) - University Union Hall - 8.00 p.m. - \$5/\$3

Wednesday 30th (until 27th April) - The Boyd Family - Three Generations - Wollongong City Gallery

April

Wednesday 6th - Rostal and Schaefer (Piano Duo) - ABC Concert - Wollongong Town Hall - 8.15 pm

Wednesday 6th (until 23rd) "A Different Persuasion" by John Scholes - Workshop Theatre, Gwynneville - 8.00 pm

Friday 8th (until 6th May) - Aboriginal Sites of the Illawarra - Wollongong City Gallery

Saturday 9th - Andrew Snedden (Piano) Recital - Gleniffer Brae - 8.00 pm - \$6/\$4

Saturday 9th - Rosemary Swinfield Stage Make-up Seminar - Arcadians Tarrawanna Hall - Tel. 284058

Tuesday 12th - Lunch-time Concert - University Union Hall - 12.45 pm - Free

Tuesday 12th - James Bowman Ensemble - Musica Viva - Wollongong City Gallery - 8.15 pm

Thursday 14th (until 7th May) - "What the Butler Saw" by J. Orton - Theatre South - Wollongong Technical College Theatre - 8.00 pm

Saturday 23rd - Gleniffer Brae Open Day - Gleniffer Brae

Saturday 23rd - Pam Mildenhall (Soprano), David Vance (Piano) - IMC Concert - Wollongong Town Hall Theatre - 8.00 pm - \$6/\$3

Sunday 24th - Sunday Afternoon Concert - Wollongong Town Hall - 2.30 pm - Free

Tuesday 26th - Lunch-time Concert - University Union Hall - 12.45 pm - Free

SPECTRUM THEATRE

Spectrum Theatre at the Wollongong Workers Club presents four one act plays:

"There's A Girl In My File" by Ray Hendley

"Me and the Gaffer" by Ray Hendley

"Next Please" by John Scholes

"Fluff" by John Scholes

Playing every Friday and Saturday (except Saturday 18th) at 8 p.m. and on Sunday at 5 p.m. Party bookings of 10 or over for \$4.50.

Enquiries to 285666 or 291067.

ITALIAN MUSIC

Soprano Carmel O'Byrne Ferlisi will be visiting Wollongong University on March 29 - 30 to present recitals of Italian music, in association with the Department of European Languages and The Wollongong Chapter of the Dante Alighieri Society.

On Tuesday 20 at 8 p.m., Signora Ferlisi will present a programme entitled "Puccini's Heroines" in which she will sing some of the most famous arias from Puccini operas, including "One fine day" (Madam Butterfly) and "They call me Mimi" (La Boheme). She will be accompanied by David Vance, and the concert will be held in the Union Hall. Tickets \$5; \$3 concession are available at the door.

On Wednesday, Signora Ferlisi will present a lecture/recital to students in the performing arts course at the Institute. This programme will be devoted to a history of Italian song.

Carmel O'Byrne Ferlisi was born in Ireland where she began her musical studies and took a University degree in modern languages and economics.

Job Vacancies

Details of the following positions are displayed on the Campus News Notice Board situated at the southern end of the Hut.

London School of Economics Director

University of London Australian Studies Centre Visiting Fellowships

ANU Tutor/Senior Tutor in Economics
Research posts in Astronomy,
Nuclear Physics

Advertisements

KEIRAVILLE POST OFFICE

Located: In Keiraville Shopping Centre, Gipps Road, between Robsons Road and Grey Street.

Available: Full Post Office services, and also facilities for payment of electricity and telephone accounts, council and water rates, etc.

Hours of Business:

Monday - Friday 9 a.m. - 1 p.m. and 2 p.m. - 5 p.m.
(Please note: closed for lunch 1 pm - 2 pm)

Saturday 9 a.m. - 11 a.m.

UNIVERSITY CATHOLIC SOCIETY

Mass is held at 12.35 p.m. on Thursdays in the University Union Common Room.

TO RENT

Mobile Home. Could be used for permanent accommodation. Will deliver to site. \$25 per week. Contact Mr. Hay, telephone 616287.