

CAMPUS NEWS

University's Police Command Development Program wins acclaim

Academics from the University of Wollongong and senior police met at Goulburn Police Academy recently to formally recognise the impact of the Command Development Program on the education and development of the state's senior police.

Guests at the ceremony held on October 27 included Deputy Vice-Chancellor of the University of Wollongong, Dr Brian Gillett, Pro Vice-Chancellor and Principal of Gippsland Campus, Monash University (and former Pro Vice-Chancellor at Wollongong), Professor Lauchlan Chipman, and Director of Wollongong University's MBA Program, Professor Michael Hough.

Police Commissioner Tony Lauer presented each of the guests with a certificate of recognition.

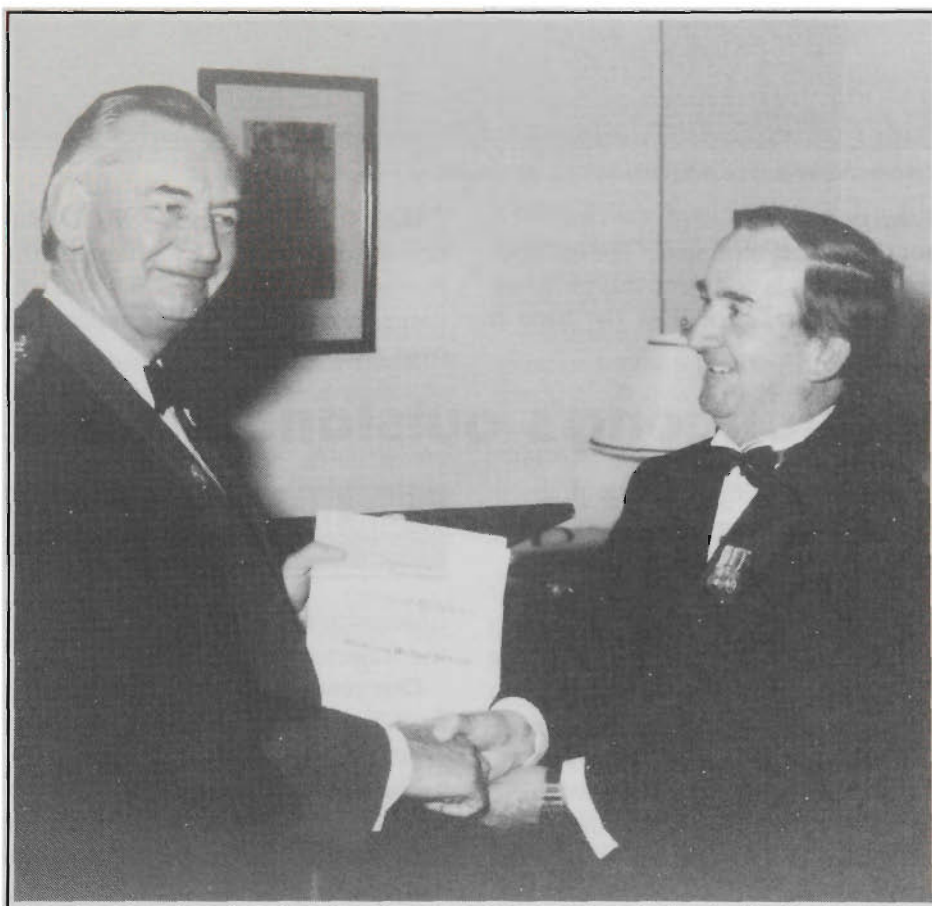
The Vice-Chancellor designate, Professor Gerard Sutton, visiting the Goulburn Police Academy for the first time, was another guest on this occasion.

Earlier, Academy Principal and Chief Superintendent Kevin McNeill outlined the considerable commitment made by the trio in establishing the Centre for Professional Development that incorporates the Command Development Program.

After several years of planning, this program was launched by Mr Lauer in June 1993.

Developed as a partnership between the University of Wollongong and the NSW Police Service, it specifically targets the management skills of sergeants, senior sergeants and administrative officers of equivalent grade.

Officers who successfully complete



Police Commissioner Tony Lauer presents a certificate of recognition to Professor Michael Hough.

the course receive a Graduate Certificate in Management from the University.

Course organisers expect that the first candidates to undertake this program will graduate in May 1995.

On October 28, during a Graduation Ceremony at the Academy, Dr Gillett conferred Honorary Teaching Fellowships on seven Police Service members who had been admitted as members of the academic staff of Wollongong University.

They are: Superintendent Dick

Adams (North West Region), Inspector Greg Moore, Senior Sergeant Rick Mawdsley and Senior Sergeant Laurie Lewis (Police Academy), Senior Sergeant Charles Pasfield (Illawarra District), and Dennis Leys and Deborah Gardiner (Financial Management Branch).

Academy Principal Kevin McNeill described this occasion as an historic one in Police Service education.

This view was endorsed by Profes-

Continued page two

Police Command Development Program praised



Senior NSW police and academics at Goulburn Police Academy.

From page one

sor Chipman, who said: 'The collaboration that has gone into this program was a radical model at the time it began.'

Now it is a prototype for the relationship between universities and the professions within the public and private sectors, that is being emulated all over Australia."

Professor Sutton congratulated the Commissioner and his senior staff for the educational leadership and initiative they had shown.

Wollongong's outstanding research successes

I am following up earlier announcements concerning Collaborative Research Grants and the ARC grants.

As you are no doubt aware, our success in the Collaborative Research Grants was such that we were the fourth most successful university in the country.

In the ARC round we were 50 per cent more successful than we have ever been before; somewhat above the national average in terms of the success rate.

The ARC list put us ahead of several other universities that historically have had more success than us.

Pleasingly there were new names on the ARC grants list and almost all of the grants were multi-year grants.

There have been other equally important successes with ERDC applications (although despite winning our first NH&MRC Fellowship we have not had as much good fortune with the NH&MRC applications).

The input of research funds from industry and other sources continues to increase in a very satisfactory fashion.

Overall our position relative to other

From the Vice-Chancellor

universities is continuing to improve; the trajectory is upwards.

Our research plan is now bearing fruit in a good way, with bumper crops still to come.

The research culture of the University has been enhanced, with more academics, in more faculties, successfully participating.

Successful senior researchers are leading and coaching those with less experience in ways which are achieving excellent results for those involved.

We need to continue on this path with undiminished enthusiasm if we are to be included without question in the premier group of research universities, which will inevitably evolve further in the next few years.

As I near the end of my tenure as Vice-Chancellor here, it is very satisfying to look back upon the strengthening and flowering of this aspect of the University's endeavour.

The University is about four times as large as it was in 1981, but in 1993 its research effort, measured in dollar terms, was 16 times as large as it was then.

The figures for 1994, while not yet final, will assuredly be greater. More importantly world-class outcomes are being recognised.

The breadth and depth of the effort is growing.

In taking some satisfaction from reflection on these figures and on the research progress of the University, I am not diminishing or making any comparison with the progress the University has made towards the highest quality of teaching.

Comment on that has been made in another context and in our submissions to the recent Quality round.

The main point here is to commend you all on the efficacy of your research planning, and the work of the Graduate Faculty.

The benefits of working together in the way that you do, and the overall progress in research the University is making relative to other universities, must surely be very evident.

STEPAN grows up and leaves home

The Science and Technology Policy Asian Network, STEPAN, is an Asia-wide organisation in which 19 member countries cooperate in providing research and training support for national science and technology policy and management.

The organisation operates within the auspices of UNESCO.

Wollongong University's Centre for Research Policy has been the Regional Centre for the organisation since STEPAN was officially established in 1988 by Professor Stephen Hill, Dr Shantha Liyanage and staff of the centre.

Now the chair and regional centre responsibilities for STEPAN are being handed on to Indonesia.

The new chair, Mr Rahardi Ramelan, is Vice-Chairman of the Indonesian National Development Planning Agency.

Indonesia was elected by member countries to take over at the 1994 Board Meeting of STEPAN, held in Wellington, New Zealand.

'It has become an agency with an independent existence,' Professor Hill said.

'We have been working over the last few years to develop organisational structures, an agreed constitution, to build up independent funding and a commitment from each country to work with each other.

Japan has now joined officially; Taiwan is an observer; even Afghanistan joined, but then got caught up in the civil war, so it hasn't been able to participate.

'Australia and the centre have played the driving role in making this happen. But it is now time to pass the organisation on.

'It's hard to let go, but we feel as if we nurtured the baby and are now handing over an adolescent!

'Adolescents can be troublesome but they can be immensely rewarding as well. We'll still be centrally involved in STEPAN, but it is now an international agency that the region owns.'

STEPAN creates a forum to advise regional governments on emerging key issues that confront the use of science and technology for development.

It provides decision makers with better information and prepares a wide variety of resource material.

'We've helped Indonesia, Thailand and Laos formulate their own national technology plans and strategies, for example, and had their senior planners out here to the centre as visiting fellows,' Professor Hill said.

'We've been centrally involved in assisting Malaysia to build the Malaysia Science and Technology Information



Professor Stephen Hill hands over the Chair of STEPAN to Mr Rahardi Ramelan, Vice-Chairman of the National Development Planning Agency, Jakarta, Indonesia.

Centre and hired by China to provide training for their key science and technology professionals, and so on.

'From a small UNESCO contribution we have been able to leverage between two to three million dollars worth of financing out of the World Bank, the Asian Development Bank, the United Nations University, the International Development Research Centre of Canada, the United Nations Fund for Science, Technology and Development, national governments, etc.'

Professor Hill said the centre would still be involved in international programs.

Stephen Hill to address World Commission on Culture and Development

'For instance, at the moment we have two members of the centre speaking on ecologically sustainable development indicators at a conference in Costa Rica,' he said.

'We will be representing Australia at many regional and international conferences and forums in the next few months.'

Professor Hill is particularly honoured to have been offered a personal invitation by former United Nations Secretary-General, Javier Pérez de Cuéllar, to act as keynote speaker in the approaching regional consultations for the World Commission on Culture and Development.

Members of the Committee include its President, Pérez de Cuéllar, as well as

Crown Prince Talal of Jordan and four former Nobel Prize winners.

The meeting will be held in the Philippines in November.

Professor Hill said he had been asked to represent the region to highlight ways in which culture and development can be turned to the advantage of developing countries in Asia.

'There are big issues before us now,' he said.

'Our own work through the centre has shown us that the world has moved in the last five to 10 years into a whole new technological and scientific order where there are quite new advantages for the small players – whether they be small firms or small countries.

'Absolutely central to capturing advantage out of these changes are strong, resilient, responsive local cultures – a lesson that applies equally at the front end of modern industry as it does at village levels.

'The Centre for Research Policy certainly won't be out of work.

'Maintaining the international dimension in our work gives us a perspective about what we see in Australia about science and technology.

'Staff of the Centre have worked very hard over the last four years to build up what is regarded as the most comprehensive database on a national science and technology system in the world.

'There is still a tendency, even at Cabinet level, but particularly in the bureaucracy, for policy makers to think of science as a cost, not an investment.

'Australia stands unique and exposed by this philosophy when you look around Asia. We have to change that.'

Founding member continues to provide invaluable support

Bruce Gordon's business representative, Tony Rebello, recently visited the University to present Mr Gordon's third cheque instalment for membership of the University Foundation.

Mr Rebello represents Mr Gordon's business and investments in Australia, including the new regional TV channels in Victoria and Tasmania, as well as being the second largest private investor in Channel 9.

As a founding member, Mr Gordon has a long-term commitment to the growth and development of the University Foundation.

His donations have been directed towards developments within the Communications Centre and this is in addition to WIN TV's membership.

*Tony Rebello,
Gerard Sutton
and Harold
Hanson*



During the visit to present the instalment, Mr Rebello was joined by Deputy Vice-Chancellor, Professor Gerard Sutton, and University Foundation representatives, Director, Peter Rose, and

Chairman, Harold Hanson.

Mr Rebello was also taken on a tour of the production facilities in the Communications Centre to see how the donations are being used.

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P A G E

Professional & Graduate Education

Miners scale heights for safety

Not all mining engineers work in a claustrophobic environment underground.

One PhD student from the Department of Civil and Mining Engineering spends much of his time hanging from cliff faces.

Mr Gholamreza Khanlari, a lecturer in Iran, his home country, is studying methods for improving the stability and safety of rock faces exposed by open-cut mining and quarrying operations.

Joints or discontinuities in the rock face are of critical importance to its stability.

In the photo Mr Khanlari is shown with an assistant in a high-lift cherry picker collecting data relating to joint frequency, orientation, spacing, and filling material type and condition in a rock face in a local hardrock quarry.

The joint data is then analysed to predict slope stability using a computer model for assessment and the effectiveness of the approach can then be evaluated on return to the field site.

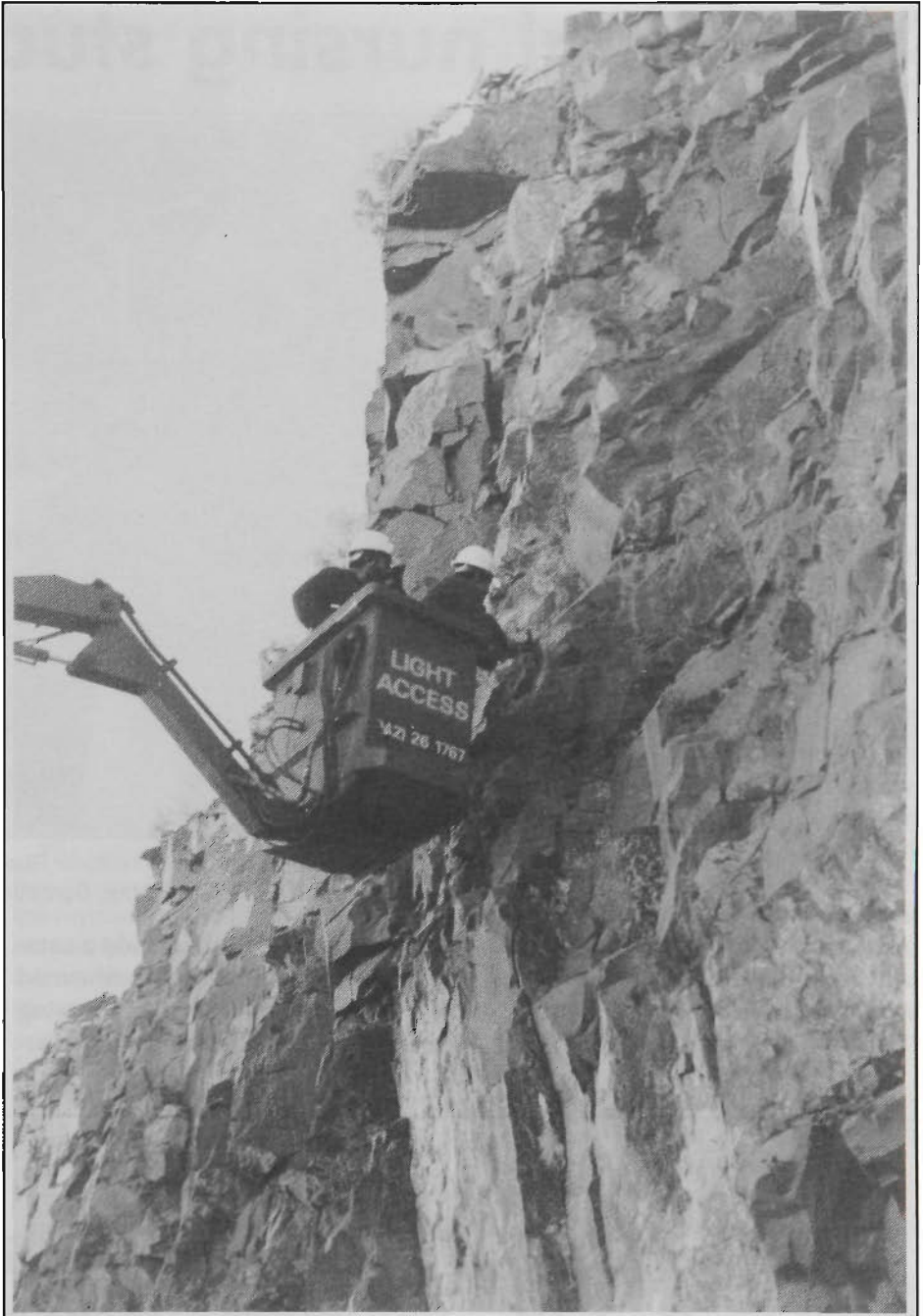
In the past, rock properties determined by shear testing in the laboratory have been exclusively used as a basis for prediction of slope stability.

Problems of scale impose limits on the predictions which can be made from this source.

This research, while making use of data obtained in laboratory tests, involves determination of slope properties during mining and provides results for use directly by mining engineers.

The mining engineer designing a quarry or open-pit mine must resolve two competing factors influencing the economics of the operation.

The steeper the advancing face is cut, the lower the costs involved, but



PhD student Gholamreza Khanlari and his assistant analysing a mine's rock face from a cherry picker.

the dangers of instability are increased.

The ultimate aim of this research is to maximise the slope employed in

the open pit or quarry without jeopardising safety and stability, thereby improving the economic efficiency of the operation.

Illawarra Committee for International Students coming events

The Illawarra Committee for International Students is holding several social events during summer session.

These are:

- Australia's Wonderland: Saturday 3 December and Sunday 4 December. Cost \$25 includes entry fee to Australia's Wonderland, Australian Wildlife Park and return coach fares.
- Children's Christmas Party: Sun-

day, 11 December. Cost \$2. (children under 12 free). BYO lunch. Drinks, cake and entertainment provided. All children under 12 receive a gift.

- Jervis Bay: Sunday, 18 December. Feed the kangaroos and parrots, go snorkelling and bike riding at Greenpatch, then visit the Aboriginal Artifacts Museum. Cost \$15 includes coach fare, hire of bikes and snorkels,

plus entrance into museum. BYO lunch.

- Scenic tour of Belmore Falls, Fitzroy Falls, Kangaroo Valley and Kiama. Monday, 2 January. Cost \$15 includes coach fare. BYO lunch.

Bookings or further information about these activities please contact ICIS Administrative Officer, Cindy Kazmar-Hall, phone (042) 213 158.

Soroptimists provide for Aboriginal nursing students

Soroptimist International, Harbour City, recently presented the University's Aboriginal Education Centre with a cheque to support the development of Aboriginal nursing students.

The presentation was an integral part of the club's first birthday celebrations. The Soroptimists' generous support is being used to run and further develop a program that fosters team building and enhances student learning.

The program is part of a concerted effort by the Centre and the Department of Nursing to foster innovative processes that promote quality learning environments.

The team development process was piloted and further developed as an integral part of a 1993 CAUT grant—a partnership of the Department of Nursing and the Aboriginal Education Centre.

The centre believes the processes developed and implemented in the CAUT project can be extended to other teaching and learning areas within the University.

Consequently the centre is hosting



Aboriginal Education Centre lecturer Russell Gluck receives a cheque on the centre's behalf from Sandy May, Soroptimists Harbour City Club.

a workshop that will provide a catalyst for other faculties to be informed of and take advantage of the 'nursing experience' and to develop a pro-ac-

tive partnership between the centre and individual faculties, thus creating a 'New Direction for the Future' in teaching and learning.



Illawarra Quality Improvement Network

You are invited to the next IQIN Forum on Thursday 1 December 3-5pm at the Illawarra Performing Arts Centre, 32 Burelli Street

Cost: Non members \$20 per person
Members of Illawarra Quality Improvement Network and students free

Three quality improvement presentations from both public and private sectors:

- 'Quality assurance in school education and TAFE's quality strategy' – Chris Carroll - Department of School Education.
- 'The use of the Australian Quality Awards as a target along the quality journey' – Max Boyley, BHP Building Products.
- 'E teams - a workplace quality experience' – Kathryn Akre, AQC Youth Programs.

*For information, or to register for this forum, contact Wendy Lacey, IQIN office
phone: (042) 287764 or fax: (042) 296392
RSVP: 30 November 1994 on the above numbers.*

Invitation to talk by Vincenzo Cincotta

Professor Vincenzo Cincotta from the Department of Modern Languages will give his views on the way Italian language teaching has developed over the years, and the challenges facing teachers in the future at the Italian Language Teachers' Association of the Illawarra AGM to be held at the Italian Social Welfare Offices in Stewart Street at 7.30 pm on Wednesday 30 November.

Professor Cincotta retires from the University at the end of this year after playing a seminal role in the development of Italian and Spanish language courses. His talk promises to be enthusiastic and thoughtful. All welcome.

Surviving a thesis: Research challenges for accountants

The Union Function Centre was the venue for the Department of Accountancy's sixth doctoral consortium recently.

The focus of the meeting was on research strategies and the challenges of doing postgraduate research within a critical framework.

Members of the department, Dr Warwick Funnell and Sudhir Lodh, gave valuable insights into writing a thesis.

Dr Funnell told how he preferred to use a card system for organising his data rather than the laptop.

He said only one handwritten fact per card gave him tremendous benefits in compiling his narrative history of public sector audit.

He also encouraged others to consider the advantages of public sector research with stories of access to free photocopying facilities and the ready availability of assistance within many government departments.

Wollongong's Dr Christine Fox (Faculty of Education) and Dr David Cooper, the Francis Winspear Professor of Business, University of Alberta, were the keynote speakers.

Dr Fox spoke passionately of the crosscultural influences on her doctoral work stemming from her worldwide travels.

Professor Cooper gave a lively account of the interdisciplinary nature of his current research project into major accounting firms.

The consortium, as usual, provided a vital forum for discussion of issues and problems encountered by the post-graduate student.

Professor Cooper, as editor of a major accounting research journal, faced questions about editorial policies and the pains of having an article rejected for publication.

The consortium ended with a spirited panel discussion that highlighted the myriad of concerns for the doctoral student from financing the project, writing up the results and surviving the time spent awaiting the examiners' reports.

Theatre needs storage

The Theatre Strand in the Faculty of Creative Arts urgently needs some long-term accessible storage for props and set materials.

Approximately 150 square metres are needed. As well as daytime access, the Theatre Strand requires access around midnight on five or six Saturday nights a year to store props and sets after completed shows.

Payment? Unfortunately, resources will not stretch that far, but complimentary tickets will be provided to all performances.

Any commercial organisations who can provide space will receive due recognition for their assistance.

Enquiries: Technical Officer - Theatre Strand, John Hamilton, phone (042) 213 791.

What's On

General

Human Research Ethics Committee.

Agenda Deadline Date: 7 December. Meeting date: 20 December.

Until 25 November: **Key Centre for Mines course**, Modelling, Planning and Evaluation of Resources on a Personal Computer. Enquiries: Professor Naj Aziz, phone 21 3449.

2 December: **Department of Management Graduation Dinner**, to be held in the Private Function Room, Corrimal Leagues Club, 54 Railway Street, Corrimal, at 6.30pm. Dress: Semi-formal. Tickets include buffet meal and disco entertainment. Cost: \$25 per head. Tickets are available for purchase from Neryl Rogers, Building 40, Room 118B, Department of Management. Please note that you must have paid and/or advised of your attendance by Tuesday 29 November at the latest. Enquiries: Neryl Rogers (042) 214 367.

City of Wollongong Symphony Orchestra Concerts

26 November: 'Judy Glen's Spaghetti Opera'. Conductor: JWD, Judy Glen, soprano-comedienne. A comedy of arias interspersed with short pieces from the 'classical favourites' repertoire.

At IMB Theatre, IPAC, at 8pm. Adults \$20, concession \$17, family of four \$64, student rush \$10.

Long Gallery

Until 7 December: BCA Graduating Exhibition. For further information contact Elizabeth Jeneid, phone (042) 21-3048.

Stop Press

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Monday 28 November - Friday 2 December

Ground Floor,
Communications Building

Special opportunity:
Videoconferencing facility will be available free of charge during certain times. Contact Bruce Robertson, ext 3002 or by e-mail.

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

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

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

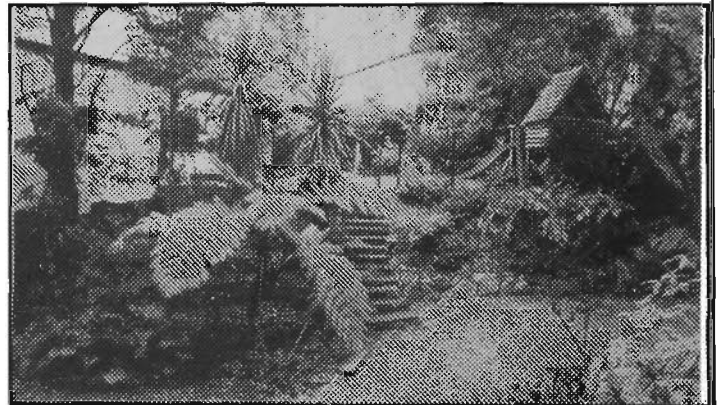
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