Institute in CAE/TAFE Course Co-Operation

The Institute has been given a special grant of $60,000 to develop two tier courses with its TAFE neighbours, Holmesglen and Frankston.

The aim is to complete the investigation and development of the first courses in the technology area - this year so students can begin enrolling in them in 1986.

Under the two tier proposal, students completing an appropriate two year Associate Diploma at either of the TAFE colleges would be able to gain direct entry to the second year of Bachelor degree studies at Chisholm.

Announcing the grant at the February meeting of Council, the Director, Mr Patrick Leary, described the concept as 'most exciting' and said it had 'caught the imagination' of tertiary education authorities in Canberra.

Mr Leary said while the first two tier courses would be in technology, it was envisaged similar courses could be established across the board.

He noted that discussions had been at administrative level only so far the academic implications still had to be considered.

And while Chisholm controlled the $60,000 grant from the Advanced Education Council, Mr Leary emphasised that the development of the two tier courses would be very much a partnership between Chisholm and Holmesglen TAFE colleges.

Council member, Mr Paul Ramler, who is also President of Holmesglen TAFE Council, told the meeting the idea 'developed over months of discussion and received immediate support.

The Victorian Post-Secondary Education Commissioner supported the approach and had pushed for Chisholm to get the development grant.

The implications of the proposal were far reaching.

'After our discussions in Canberra, Chisholm is seen as a college which has developed a blueprint for a community college system,' Mr Ramler said.

Other Council members immediately supported the initiative.

'We are first cab off the rank - we will be the pioneer,' Mr Ron Ritchie supported the approach 'a very good initiative which obviously should be encouraged.'

'It followed the Californian community college/state college approach which has been very successful,' Mr Leary added.

'It will help break down barriers, many of them artificial, between the TAFE and academic education systems,' Mr Walker added.

Mr Ron Ritchie supported the two tier concept, but warned that while increasing mobility between post-secondary education institutions was very desirable, there were also major problems.

One of these was in the funding area with Chisholm's courses funded by the Commonwealth while the TAFE courses were funded by the State.

Faculty Head Appointed

Chisholm has appointed the first permanent head of its Faculty of Technology.

Dr Roy Williams, 55, currently Director of Kalgoorlie College in Western Australia and former Professor of Engineering and Dean at Deakin University, will take over as Dean of the Faculty of Technology in June.

Announcing the appointment, Mr Patrick Leary, said Dr Williams was chosen from a strong field of applicants from Australia and overseas.

'Dr Williams' track record in the academic and administrative fields, applied technology research, interdisciplinary endeavours and industry liaison, idealiy fit him for the position,' Mr Leary said.

We are looking to him to lead the faculty of Technology towards a unique position in Australia and receive immediate recognition,' he added.

In addition, Dr Williams will make an important contribution to the Institute through the Academic Board and other committees.

Mr Leary said the new Dean would be working with a vigorous and innovative team in the Faculty which was established last year bringing together the previously separate discipline areas of computing and robotics, applied science and engineering.

He praised the work of the Foundation Dean, Dr Trevor Pearcey (now retired), the acting Dean, Mr John White, and the Faculty Management Committee.

'The task of establishing the Faculty, which is a major innovation reversing a century-old trend towards specialisation, was never going to be an easy one,' Mr Leary said.

'That they succeeded in achieving the goal is a reflection of their dedication, effort and willingness to work co-operatively.

'I know they will bring the same spirit to their work with the new Dean to ensure the Faculty succeeds in providing the community with the best in technology education, research and consultancy.'

Mr Leary said Mr White would continue as acting Dean until Dr Williams took up his appointment.

A low cost test rig being developed by Chisholm's Engineering Research and Advisory Centre (CITERAC) will give small sawmills the ability for the first time to accurately grade sawn timber.

The rig - which will cost less than $1500 to build - will enable small sawmills to market a larger percentage of their sawn timber as suitable for highly stressed structures.

The rig is being developed for the Radiata Pine Research Institute (RPRI) and will meet a long-standing need in the timber industry, according to CITERAC head, Dr Bob Milner.

At present, small sawmills grade by visual inspection which can lead to wastage where timber falls into the borderline category and must be downgraded from the highest (and most profitable) levels.

CITERAC's test rig is being developed to use in conjunction with visual inspection.

'Often defects are obvious, so visual inspection is quite satisfactory,' Dr Milner says.

'The test we are building will be used in the borderline cases where a defect can be seen but the timber may well be strong enough to carry the loads demanded of structural members.'

The rig will use pneumatic jacks to apply prescribed loads to the defect zones.

Provided the timber can carry the load and does not bend excessively, it is graded according to industry standards.

CITERAC is designing two deflection detectors to measure the bending - one pneumatic and the other a micro-electronic device.

Dr Milner says RPRI set two limits on the project - that the rig components should cost a sawmill no more than $1500, and the design should be such that the rig could be constructed...
I would like to take this opportunity in the first edition of this Gazette to wish all returning and new staff a successful and rewarding new year. I trust you had an enjoyable and restful break and that your return to work was well charged to meet the challenges and opportunities that lie ahead.

Much of what will be achieved this year will be a result of the progress made in 1984. 1985 should see the Institute move closer to declared status through which Chisholm will gain much more freedom and responsibility in its academic affairs. The year will see the commencement of the first Masters Degrees by coursework in Marketing and Computing, a development which is a tribute to the dedication of all staff involved in securing these for the Institute.

The first steps in the construction of the much-needed Student Union building have begun as the ground is cleared around Railway and Prince’s Avenues. At last our students will have a venue of high standard where they can mix together in sporting and social activities in a congenial environment.

The creation of a Student Liaison Officer will also enhance the welfare of our student. On the horizon is the concept for a greater union of students and staff, where both groups can share the same facilities in partnership.

Horizons on the academic front should also expand greatly in 1985. For example, greater emphasis will be placed on the development of tele-education through a cooperative arrangement with TAFE, whereby TAFE students will be given increased opportunity to participate in tertiary courses at Chisholm. Equally exciting will be the further development of the concept of part-time education, initially investigated by Dr. Pearcey in 1984.

Batteries are well charged to meet the challenges and opportunities that those plans made for 1985 come to fruition.

To those returning I wish you well for 1985. I am confident 1985 holds the promise of a most significant and influential year. I would like to take this opportunity in the first edition to thank those who have helped me and I ask that you support this venture. The implications of Business Studies for the organization in an academic, social and professional capacity will provide the small millers with much more persuasion and involvement are needed and the police force realises this.

"Today more police are going out and seeing how things are. To say that it takes three to 15 years of experience in government, Coogan says, "Is a bit of a misnomer. The police force realises this. Instead of waiting for it to happen, technological changes in the police force and the community also have had an influence on us."

"We have to adapt to community expectations," Mr Coogan says, "and try to prevent crime."

The Associate Diploma in Police Studies is being a bit of a misnomer, according to Mr Reilly. He says it took some years for the course to be seen as valuable and the accepted by police generally. As for the Institute, a significant development this year was the initial acceptance of the concept of tertiary education for police.

"There was also the initial resistance to having police on the campus," Mr Reilly says.

"One is the traditional view looking at it like the fire brigade that gets there after the event rather than hosed down the flames."

"Then there is the newer concept of dealing with crime by such things as the new Neighbourhood Watch Programme."

"Styles of policing have changed - the idea of the boot and the constable out on the beat is no more," Mr Reilly says. "Now it is the community that is involved in the community and trying to prevent crime."

"Today more police are going out and seeing how things are."

The profile of police attending is about 85 per cent in the Victoria Police and 15 per cent are Constables or Senior Constables, Mr Reilly says.

"Academic qualifications are becoming increasingly important for promotion in the force, rather than seniority," he says. More emphasis is being placed on merit and educational qualifications.
Polymer 85

Polymers: limitless future

Polymers are one of the most exciting directions in the exciting and rewarding field of chemistry, according to Dr Jim O'Donnell who gathered at Chisholm's Caulfield campus in February for the Polymer 85 conference. Even though polymers, are the building blocks of materials like plastics, paints, textiles fibres and glue, have penetrated every one's life, new applications and new processes are being sought and found all the time.

"With polymers, we are virtually in the stone age of polymers," the conference chairman, Dr Jim O'Donnell, of Queensland University, in his opening address.

He said polymer science deservedly was one of the most dynamic sciences and other research in many countries including Australia.

Two important elements of polymer science are its trans-disciplinary nature - ranging from chemistry through physics to engineering - and its international nature. "People studying polymers throughout the world form a frustrated and interested interaction and collaboration" was the first such international conference devoted entirely to polymer science, and the largest conference of its type held on Australia.

Organisers were surprised and delighted by the large attendance (initial planning was for an attendance of 750) and at the number of women present, over 25%.

Normally only two of three women would be expected at a conference, Dr O'Donnell told the 380 scientists at Polymer 85 were women, Dr O'Donnell said.

TREVASKIS TO LOOK AT EQUITY

Participation and equity policies will be among the topics at the Australian ad-

duction to be looked at by the Associate Director (Administrative and Ed-
ucation) Dr Anton-Christin Albertsson.

Graham Trevaskis, during a 10 week study leave beginning on 3 March.

Dr Trevaskis will visit North America, Europe and Asia during his tour. The participation and equity study is to be carried out following consultations with the chairman of the Commonwealth Tertiary Edu-

cation Commission and the staff of the Advanced Edu-

cation Council.

Another focus of study for Dr Trevaskis will be course design and development, with particular emphasis on the technologies.

Dr Trevaskis will compare approaches in North America and Europe (particularly France and West Germany) with what is done in Asia, including Japan, Hong Kong, and Malaysia.

Ms Jan Williamson, Dean of Applied Technology, welcomed Dr Trevaskis as Assistant to the Director during Drs Trevaskis absence.

Science women can fly high

Higher education in the sciences or technologies is a woman's passport to the world and the foundation for an interesting and varied life.

Dr Ann-Christin Albertsson, one of 380 chemists attending the Polymer 85 Conference at the Caulfield campus of the Chisholm Institute of Technology this month.

As a lecturer at the Royal Institute of Technology in Stockholm, Sweden, Dr Albertsson takes time to discuss courses and projects with young girls going into the sciences.

But she says it is still difficult to convince girls that they should continue with higher study. 'Most brilliant girls still want to be hairdressers or air hostesses,' Dr Albertsson said.

There is nothing wrong with being a hairdresser or an air hostess, but there are greater rewards in many respects, including pay, in the sciences,' Dr Albertsson says.

"If a woman has a science or technology degree, many fields are open to her, research, technical selling their careers full time."

"With education you open doors. Options and girls should get as much education as their ability because they have no belief in themselves.

With science it is also possible for women to have both a career and a family, unlike any other job.

A woman scientist or technitian can work part-time or at home after the children are born, Dr Albertsson says. Many do as well, then when the children are old enough resume their careers full time.

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Frankston's New Number
Frankston campus will be off the phone for a day in mid-March - then come back on line with a new number.

Mr Barry Bilham, Department of Management, says the campus will be disconnected from the rest of the world while a new Ericsson ASB900 switchboard is brought into operation.

The new switchboard will increase the number of lines available within the campus, and also enable calls to be made with the same sort of direct to extension dial-in facility available at Caulfield, and as people switch to Pushfone headsets, make a number of other facilities available.

While capacity is being increased from 120 to 180 extensions, no new extensions are being allocated initially, Mr Bilham says.

The bulk of the extra lines will be held for the planned new building.

The new switchboard number will be 784 4211. Telecom will direct calls from the old number to the new.