

Business technology - the new frontier

Chisholm's new Business Technology Centre is becoming a reality. A joint effort of the David Syme Business School and the Faculty of Technology's School of Computing and Information Systems, the Centre will be launched in late July.

It has been designed to meet four major needs:

- education
- research
- consultancy

• automation of the Institute's administration.

The idea of the Centre grew out of a Working Party set up in late 1982 to investigate widespread concern at the lack of opportunity for people in commerce, industry, government, and in Chisholm itself, to acquire the expertise necessary to cope with and exploit the rapidly changing business technology environment.

The converging technologies of computers and communications were beginning to revolutionise business organisations throughout the world and Australia needed to exploit these developments to compete.

To fully exploit them, trained staff and often a restructuring of organisations are essential, so integrated planning and trans-disciplinary expertise and co-operation are required.

The Working Party charged a four member steering committee, now the Business Technology Working Party with the task of coming up with a concrete proposal designed to meet these needs.

The committee comprised Mr Bob Grant (SCIS), Mr Ken Greenhill (DSBS), Mr David Farrow (EDU) and Ms Gwyneth Moore (DSBS).

According to Mr Greenhill, 'we came up with the idea that the Institute should set up a centre for office automation which would satisfy both the needs of industry and of Chisholm.'

With the principle approved, the committee set about finding a fully integrated system which would 'do everything everybody wanted'.

An integrated network based on a Digital computer was decided on.

Concepts) which will be equipped with a number of work stations for teaching purposes.

The system will provide facilities for education, research and development as well as meeting the day-to-day needs of the Institute's administration.

This means students and staff will work, study and carry out research in the operational business communications and processing environment of a large, diverse organisation.

Mr Greenhill says the Centre's network will be a pilot study for the next triennium.

The Directorate and DSBS and SCIS Deans and Heads of Departments will connect to the network via multiple terminals in each location.

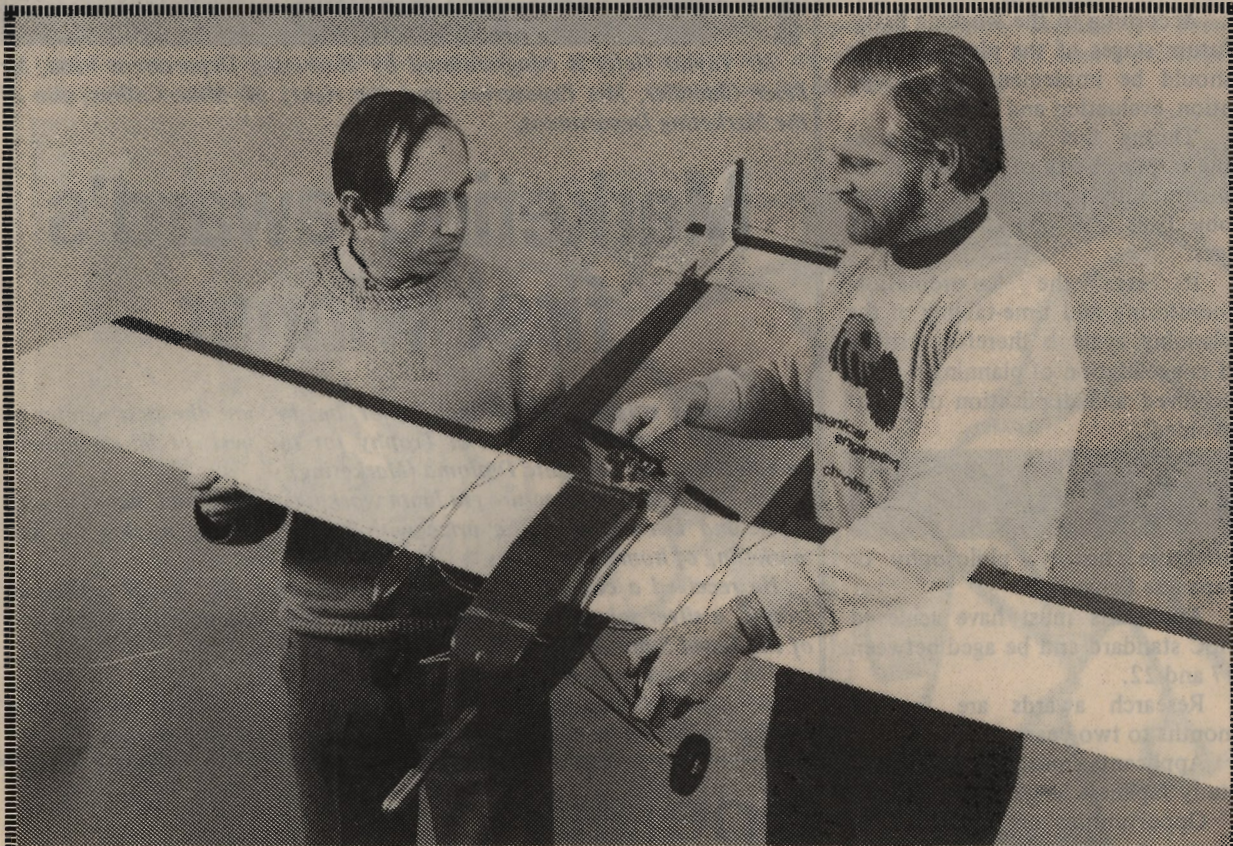
The system will provide a major channel of communication and information storage.

They will be able to do things like set up meetings or leave messages without having to resort to the telephone or memos simply by logging into individual terminals.

Office filing using the system will result in a virtually 'paper free' environment.

'In the long term it will be a Centre to which the whole of the Institute will have access, but it will not be expanded until we have satisfied all the objectives of the pilot study,' Mr Greenhill says.

Meanwhile, Mr Greenhill says, anyone at the Institute considering purchasing new equipment should first consult the Centre committee to ensure it will be compatible with an expanded system in future, in an effort to curb 'a proliferation of incompatible equipment around the Institute.'



Mr Scutt (right) goes over a few of the finer points of the half scale prototype design with Dr. Kirkwood.

Up, up and away!

A joint project involving the Schools of Engineering and Applied Science, is about to get off the ground - literally.

For the past year, work has steadily progressed on development of a remotely piloted plane and a tracking system, and testing of a half scale prototype will begin soon. Eventually, the finished aircraft will be put to a variety of uses in a range of research projects.

According to the project leaders, Mr Don Scutt (Department of Mechanical Engineering) and Dr Ian Kirkwood (Department of Mathematics), the plane will have three main applications:

- Fitted with a camera, it will be capable of taking sequential photographs at low altitudes for use in building and road construction projects, mapping, etc.
- Air sampling and other environmental measurements.
- Agricultural uses, for example, crop dusting of small, specialised crops.

The concept of developing Remotely Piloted Vehicles at Chisholm was first suggested by Applied Science Dean, Dr Eric Hemingway, early last year.

A committee was set up to oversee the project, a model plane was purchased and built, and Mr Scutt and Dr Kirkwood set about learning how to fly it.

Since then the project has developed in two stages, the half scale prototype which has a wing span of 1.5 metres and the tracking system.

The prototype will be used within the next few weeks for aerodynamic testing and modification

in the lead up to the building of the final model aircraft, designed last year by a Mechanical Engineering student.

According to Mr Scutt, the prototype will enable testing of a number of design features:

- Positioning of the pay load (camera or air sampling equipment) forward of the engine, and therefore in clean air
- Testing of modifications, including wing flaps or slots to enhance short take off and landing and slow flying characteristics
- Testing of an on-board gyroscopic stabilisation system
- The addition of floats to allow take-off and landing on water

The tracking system developed by 3rd year Mechanical Engineering student, Stephen Peters, makes use of a microcomputer and telescopic sighting device which feeds electrical signals to the computer to be analysed and shown on a screen.

Once the flight path and the points along the track where photographs or air sampling are to be carried out are entered on the computer, this and the position of the plane are displayed on the screen, enabling adjustment of the flight path so the plane flies exactly on the predetermined course, and carries out its tasks at exactly the right points in space.

Dr Kirkwood says the tracking system is a crucial step in the project because of the difficulty in determining the exact position and height once a model aeroplane is in the air.

Building of the final aircraft, which will have a wing span of about 3 metres and a payload capacity of 10kg, will begin when

testing of the prototype and tracking system has been completed.

According to Dr Kirkwood, 'once fully developed, we believe the plane will be a cheaper way of carrying out aerial photography, and a more feasible way of doing it at low altitudes'.

Another advantage, he says, is that the aircraft can be used in situations where there is a likelihood of danger to a pilot of a full sized aeroplane.

The applications of model aeroplanes have already been well illustrated.

Dr Kirkwood says they were used very effectively by the Israelis against the Syrians a few years ago for reconnaissance purposes and in the United Kingdom by the Central Electricity Research Laboratories for aerial photography and environmental measurements such as atmospheric pressure, air sampling, temperature and humidity readings and ozone testing.

At Chisholm, the finished aircraft will be used primarily as a support tool for other projects.

Dr Kirkwood and Mr Scutt say to date the project has had 'definite educational value', with a number of student projects especially in Mechanical Engineering, developing in conjunction with the central project.

These include the design of the full-scale model aircraft and the tracking system and the selection and testing of materials to be used in building the model.

Currently the RPV Committee is waiting on approval of its application for a \$3000 New Initiatives Grant for further research.



Installation of the Centre's new Digital VAX 11/750 central processor has completed in June. Digital field service engineer, Mr Bambos Haralambous is pictured doing some fine tuning.

Installation of the Digital Equipment VAX 11/750 central processor in the Computer Centre has been completed. A range of non-intelligent, intelligent, micro-computer and word-processing work stations is being connected to it and existing computer facilities are being linked in to provide an extensive network.

A feature of the Centre is its educational laboratory (being set up in C2.22 - formerly Caulfield

This year the Centre is starting with a budget of \$250,000 with a projected total expenditure of about \$750,000 over the life of the pilot study.

But the steering committee is confident the project will quickly become virtually self-funding through its research, consultancy and educational services.

- More on the Centre and a new course to match - Page 2.

Future directions set in plan

Achievement of declared status by 1985 and the management and development of the Frankston campus within a corporate Chisholm are two of the major priorities identified by the Institute Planning Working Party in its two-volume Planning Document released in June.

The 16 member Working Party (including a four member task force) was charged last year with the job of formulating a charter for Chisholm's future development, including strategies for achieving objectives of immediate concern, and offering issues for future consideration.

Part 1 of the Planning Document, 'Directions for 1984 and Beyond' sets a number of objectives designed to form the basis of future detailed triennial planning by Schools, Departments and Cost Centres.

Broadly, the objectives are:

- To satisfy community needs within the limits of available resources

- Continue to develop and maintain high academic standards
- Provide tertiary educational opportunities that are satisfying and appropriate to the future needs and aspirations of students
- Acknowledge that Chisholm's most significant resource is its staff
- Encourage and support staff involvement in applied research, consultancy and professional practice in response to community needs
- Ensure that government and management develop an organisational structure and management style which assists in achieving the Institute's objectives
- Effectively and efficiently utilise existing resources.

The Working Party then sets three main strategies which 'require immediate attention' if these objectives are to be achieved.

- They are:
- The achievement of declared status by 1985
 - Fostering a fully integrated institution in which prominence is given to the development of Frankston campus
 - Initiating an on-going planning process which will involve Schools, Departments and Cost Centres.

In its examination of the development of Frankston campus, the Working Party offers four possible options for future planning:

- Frankston campus as a separate entity
- The development of distinctive campuses with central co-ordination
- A fully integrated institution with administration by a campus manager and/or co-ordinating committee
- A 'set of rooms' model based on the assumption that the Frankston campus is no different in principle from any other set of rooms under Chisholm's control.

The Working Party recommends the second model, in which there is a 'balance between the need for central administration and the goal of ensuring that the Frankston campus has a distinctive and important role to play in the development of Chisholm'.

Integral to this is the appointment of a Dean or Assistant Director from within Chisholm to take responsibility for overseeing the planning, development and integration of the campus into Chisholm.

The remainder of Part 1 of the Planning Document deals with other issues which emerged as a result of the Working Party's deliberations.

They include Chisholm's relationship with the external community, student attrition, staffing issues, community involvement and funding constraints.

Part 2 of the document, 'Chisholm's Environment' looks at the Institute's current position.

The Director, Mr Patrick Leary, told recent public meetings organised to discuss the Working Party's planning strategies, that the documents were in no way a fixed thing.

'The Working Party believes what is being proposed is the start

of the Institute's planning process - but it has to be institutionalised.'

He said this process had been put to the Chisholm community for critical analysis and comment, to be re-examined next year to make 'any modifications necessary.'

According to the Working Party, future stages of the planning cycle should be implementation, adaptation, evaluation and review.

'During this time, it becomes the responsibility of all areas of the Institute to translate the Institute objectives into operational objectives.'

It says the 'co-ordination, monitoring and time-tabling of the planning cycle is therefore critical if consolidation of planning is to be achieved and duplication of effort avoided'.

Grants

National Library

Applications are invited for National Library Fellowships for 1985.

The Fellowships are for scholars and librarians to work for between three and six months on materials in the National Library's collection with a view to the publication of original research based on them, or a description or listing of them, or of a study of the methods and techniques used in acquiring, listing, cataloguing, arranging or using them.

Three Fellowships will be awarded for 1985, covering travel costs to Canberra, and including a grant-in-aid towards living expenses.

Applications close on 31 August 1984.

Japan Govt.

The Japanese Government is offering a limited number of undergraduate and research scholarships to Australians for study at Japanese universities.

Undergraduate scholarships are for five years, and a successful student will return to Australia with a degree of 'Gakushi' in law, politics, economics, business administration, education, sociology,

literature, history, philosophy or Japanese Language.

Applicants must have achieved HSC standard and be aged between 17 and 22.

Research awards are for 18 months to two years.

Applicants must be willing to study Japanese language.

Opportunities are available for post-graduate study in humanities, social sciences, and natural sciences.

Closing date for applications is 17 August 1984.

Wool Corp.

The Australian Wool Corporation is inviting applications for post-graduate scholarships and wool industry post-graduate awards for 1985.

Preference will be given to applicants who have demonstrated their ability in fields related to the wool industry and who intend their future careers to be in areas related to:

- Research or development of principles or techniques likely to lead to increased profitability in the wool industry
- Evaluation of existing research, development or extension programs.

Closing date for applications is Friday, 31 August, 1984.

From page 1 - Business technology launch

The Committee says the Centre will provide new directions in education to equip people with expertise and the back up research and development work and advice they need to ensure they remain at the head of their respective fields.

General education of industry management and office personnel in the use of business technology systems will be a major function of the Centre.

To coincide with the launch of the Centre, a new Graduate Diploma in Business Technology will be introduced.

According to the Committee, the Centre and course are 'the first steps in a program of development which will see Chisholm offering a wide range of formal and informal education and training programs,

and research and consultancy services to private and public enterprise and the community.'

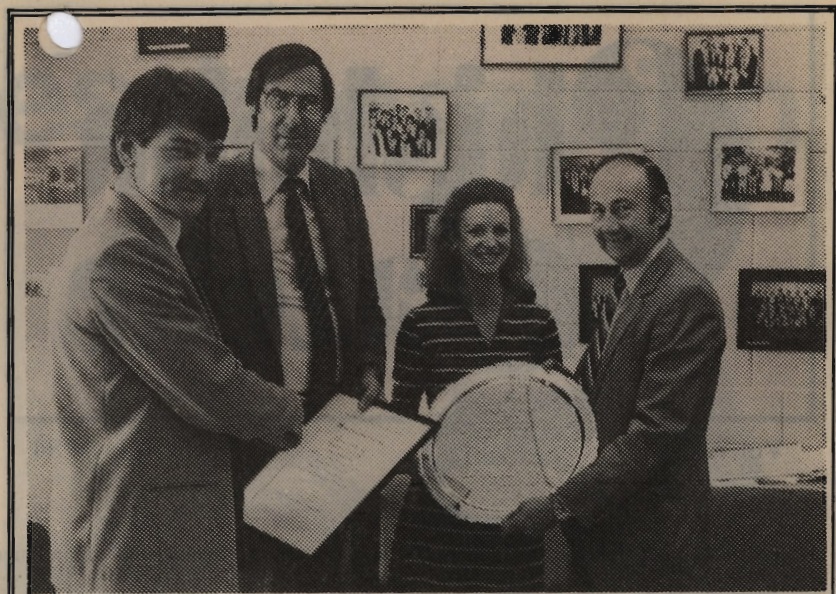
In the field of business technology, the new initiatives will establish Chisholm as a leader.

'We will have expertise very few people in Australia will be equipped with,' Mr Greenhill concludes.

The course

The new Graduate Diploma in Business Technology has just been accredited and the first students will be accepted at the start of Semester 2 for the two year part-time course.

The course aims to meet the need for the education of business personnel in the application of integrated computer and com-



Mr Taylor (left) is congratulated by Marketing Department head, Mr Peter Chandler, Mrs Papasavvas, and (far right), Mr Mike Collins, also of the Marketing Department.

Marketing award's first winner

Marketing student, Mr Michael Taylor, has become the first winner of the George Papasavvas Memorial Trophy for the best special assignment completed in the Graduate Diploma (Marketing).

Mr Taylor, an architecture graduate working as a product manager with Black and Decker, won the prize with a study on the market for and marketing of home extensions.

He received a certificate and had his name inscribed on the perpetual trophy, a silver salver, to be kept on display in the Marketing Department of the David Syme Business School.

The prize was presented by Mrs Anne Papasavvas. Her husband, George, was the course leader for the Graduate Diploma (Marketing) when he died of cancer at the age of only 34 last year.

Speaking of Rostrum

The Chisholm Prospective Rostrum Club has set a program of activities for Semester 2.

The club, which aims to teach people to speak effectively, in public, has secured the services of a senior Rostrum member to help out.

Students and staff are welcome to attend meetings which are on Mondays from noon - 1 pm, A2.11, Caulfield.

The program:

Probable Date	Topic
30 July	Revise and Practise Speech Preparation 3 minute and ½ - 1 minute speeches.
6 August	Chairmanship.

- 13 August Reading.
- 20 August Practice in application of skills dealt with in Week Three.
- 3 Sept. Overhead Projection and associated presentation.
- 10 Sept. Practice in application of skills dealt with in Week Five.
- 17 Sept. Questioning.
- 24 Sept. Chairmanship.
- 1 Oct. Discussion Leading.
- 15 Oct. Practice in application of skills dealt with in Week Nine.
- 22 Oct. Interviewing and being Interviewed.
- 29 Oct. Practice in application of skills dealt with in Week Eleven, including job seeking.
- 5 Nov. Use of microphones and lectern.
- 12 Nov. Practice in application of skills dealt with in Week Thirteen.

- the business and technical skills appropriate to the modern business environment
- an understanding of the impact of technical developments on business organisations
- the ability to advise management in re-organisation strategies required for successful implementation of business technology.
- the ability to select and integrate the technology appropriate to particular business organisations
- the knowledge necessary to improve the overall productivity and working environment of managerial, professional and clerical staff.

Entry to the course has been deliberately designed to be flexible to accommodate not only those with prior tertiary qualifications in relevant disciplines, but also those with business technology work experience.

A masterpiece in glass

A 54 square metre window commissioned for the new Lutheran College Chapel, Croydon, at a cost of \$30,000 is nearing completion.

The window, which comprises 54 panels on a steel frame, was designed by senior lecturer with the Department of Ceramics, Mr Klaus Zimmer, and built by part-time ceramics tutor at Frankston, Mr Dylan Thornton.

By the time the Chapel is inaugurated on 6 August, the job will have taken about 10 months to complete.

For Mr Thornton, the seven months spent constructing the window has been a labour of love.

He regards Mr Zimmer's design as inspirational, and his enthusiasm for the work is obvious as he explains its underlying symbolism, which he says, makes it so unusual.

'It's based on a grid - a square within a square within a square - so everything is a division or a multiplication - part of something greater or smaller,' he says.

Based around the central theme of the Cross, the window symbolises many aspects of Christianity through subtle use of colour, light and shape.

'It's all there,' Mr Thornton says 'but you have to look to find it.'

The window has been designed to transmit and reflect light using iridescent glass, so the design is equally striking during both day and night.

'It's an exceptional window because it's been conceived as an overall concept. It's been a privilege to work on it,' Mr Thornton says.



Dylan Thornton with three of the 54 panels which will make up the window.

Equipment gift aids ceramics

Ceramics education at Chisholm has taken a new turn this year with the development of a ceramic technology workshop at the Frankston campus.

According to Senior Lecturer with the Department of Ceramics, Mr Max Murray, the workshop has been set up to provide students with a total grounding in modern ceramic technology.

'It's a milestone in the development of this Department', he says.

'We did a survey of graduate students from throughout Australia at various ceramics conferences where they felt improvements were needed in ceramic education.

'A major criticism was that people were not getting the direct workshop experience they felt was necessary in the real work environment.'

The workshop was established early this year with the aim of bridging that gap, and providing students with practical experience in all facets of ceramic production from the raw material stage.

Much of the initial work was done by the late Mr Eugene Kupsch, a senior lecturer in ceramics.

Development of the workshop was boosted recently with a gift of \$45,000 in equipment by the CSIRO's Division of Building Research Ceramic Technology section.

The equipment, which includes filter presses, a humidity drier, a

laboratory sized extruder, mixers, a temperature recording system, a large ball mill for the production of ceramic glazes, a rotary sieve and bluing equipment, was donated as a result of an approach by Mr Murray, a CSIRO Ceramic Technology employee for 14 years.

Together with the existing equipment, the workshop now has the potential to produce several tons of clay material a week.

Mr Murray: 'There is no other institute to my knowledge with equipment as sophisticated and as capable of doing what we can now do.'

Already the workshop has been used to produce much of the material used at Chisholm and other institutes in ceramic pottery and art areas, and ceramics staff are predicting that eventually it will be virtually self-sufficient.

But the workshop is more than just a clay processing plant.

The recognition of the importance of training students in the technical as well as the aesthetic aspects of ceramics is a step towards the development of Australia's ceramics industry as a whole.

According to Mr Murray, it's one area which has enormous potential for growth, yet to date has been largely forgotten.

Unfortunately, he says, the majority of people view ceramics

as little more than the production of cups, plates and casserole dishes.

The reality is that ceramics are essential to our modern way of life.

They are used in industrial machinery, solid state high technology equipment, cars, and household items and bathrooms, to mention only a few.

'Australia is possibly the cheapest in terms of energy costs in the world, and has a wealth of raw materials suited to ceramics, and yet we import about \$100 million in ceramic goods each year (and that's a conservative estimate).

'What we have to do is convince Australians that we can compete with the import market, and indeed, aim towards exporting Australian ceramics.'

Mr Murray says Australia stands a better chance than anyone of really benefiting by recognising the importance of the industry and capitalising on its potential.

The economic and employment implications of such a move would be far-reaching, Mr Murray claims.

He sees the Frankston workshop as a major step in the right direction.

It is equipped to produce a range of specialised ceramics for particular industrial applications, for instance, ceramics which will stand sudden heat shock, those which are wear resistant, and others which have the ability to remain unchanged under any conditions.

Mr Murray says it's a development which is in keeping with Chisholm's multi-disciplinary approach to technology education, and has the potential to involve students in areas like engineering and chemistry in the future.

Pearcey mining course

The Pearcey Centre's versatility in tailoring its short courses to industry needs was well illustrated recently with a three day workshop for employees in the mining and petroleum industries.

Organised by the Adelaide-based Australian Mineral Foundation (AMF), the three day course from 2 July provided its 17 participants with an introduction to the essential aspects of computers in the exploration, planning and production in the mining and petroleum industry.

It was designed for managers and other technical and non-technical personnel with little or no experience in computing.

It was the second AMF course run by the Pearcey Centre, and according to AMF Executive Director, Mr David Linn, Chisholm will be a strong contender in future if the opportunity arises to run more.

The AMF's main function is to provide training and refresher courses for staff in the mining and petroleum industries.

Most of its courses are offered in Adelaide, but venues elsewhere in Australia and South East Asia are chosen where appropriate to the needs of the industries.

Mr Linn said the Pearcey Centre course had been offered in response to growing demand by employees in the industry for a grounding in computers and computing. He said reaction by participants of the course had been extremely positive.

Minister praises business computer initiatives

The Minister for Science and Technology, Mr Barry Jones, has praised Chisholm's initiative in establishing its newest microcomputer centre.

The David Syme Business School - NEC Microcomputer Training Centre was officially opened by Mr Jones on Wednesday 27 June.

He told the gathering the new Centre represented the direction Australia should be aiming for if it hoped to compete on world terms.

'The adoption of computers and computer technology in Australian industry has been very slow,' Mr Jones said.

'Many managers feel extremely uncomfortable with any technology more recent than the internal combustion engine.'

He said in an age when technological capacity was increasing, there should be more emphasis on education, particularly in terms of bridging the gap between technological capacity and the training of managers.

With its central theme of 'Technology awareness, management and education', the DSBS/NEC centre aims to do just that.

Equipped with 12 NEC microcomputers, it was set up to satisfy the diverse needs of normal academic programs and the community and business environments.

The four main areas of activity to be served by the Centre are:

- Specific undergraduate course



'It's a step in the right direction', Mr Jones tells his audience at the opening of the new DSBS-NEC microcomputer laboratory. At left is the Managing Director of NEC Australia, Mr K. Kagiya.

studies, available to all DSBS degree courses.

- Post-graduate course content aimed at upgrading the general skill and knowledge levels of business practitioners.
- Short course developments at various levels of education for a wide range of participants.
- Internal staff development and training for both general technology awareness and specific application education.

Although the centre is not a profit making venture, it will be partly commercial in offering

short courses to business and the community.

Funds raised will be used to buy further equipment and software beyond that available from normal funding sources.

Chisholm Director, Mr Patrick Leary, said at the opening that the Centre was 'another step towards the Institute's objective of being a leader in technology.'

It would 'ensure we provide the type of education and training needed today', and expose Chisholm students to the latest in technology, and 'equally important, expose the business community to the work of Chisholm.'

Arts, information, gripes, integration

The Student Union Welfare Committee, in conjunction with the Student Union, is embarking on a program of activities aimed at making it more accessible to Chisholm students.

The fact-finding mission begins on Monday 30 July and will run until 14 September.

According to Welfare Committee representative, Mr John Horley, the 'Pilot Contact Program' has been designed to:

- Provide information, resources and access to all Chisholm students to help them maximise educational opportunities with support and follow up where appropriate.
 - Encourage student integration, co-operation and participation.
 - Highlight the workings of the Union to encourage real accountability to students.
 - Develop in students a sense of self-esteem and pride in being a student at Chisholm.
 - Use the program as a basis for documenting and analysing student needs and making recommendations in the future.
- Activities will include theatre performances, art and craft exhibitions, ethnic foods, displays

and guest speakers from various ethnic groups.

Two special performances of 'Neolia' by Greg Andreas, an Australian-Greek playwright, will be presented at the George Jenkins Theatre, Frankston campus.

Week 1 of the Contact Program has been called Chisholm Community Week.

From 30 July - 3 August, the Student Union will concentrate on providing information to students about the Chisholm community as a whole, including clubs and societies, community services, courses and the Union itself.

According to Mr Horley, 'if students are to make the most of their educational opportunities while on campus, they need to have information of what is where, who is who, and access to further information should they require it'.

'From Community Week we'll get a picture of what information students have, and what information they need.'

Analysis and documentation of Community Week will take place from 6-10 August, as well as preparation for the next round of activities, Multicultural Week, from 13-17 August.

Multicultural Week, Mr Horley

says, aims to address the issue of multiculturalism in the Chisholm community.

The Student Union will spend the following week again analysing and documenting the program, and preparing for the final leg, 'Gripes and Grievances Week.'

Mr Horley: 'Students need to feel that any queries or complaints they have are being dealt with effectively by the Student Union, and in order for complaints or queries to be most effectively dealt with, all lines of communication must be open, with effective co-operation between the Student Union, the Institute, Community Services and course advisers.'

He says it is an effective means of discovering 'the problems students really see as important, and developing initiatives to deal with them'.

Responses to Gripes and Grievances Week will be carefully examined by the Student Union during the following week, 10-14 September, and as a result of the overall program, recommendations on student needs will be made.

Mr Horley says the Pilot Contact Program has been scheduled to reach as many Chisholm students as possible, particularly part-timers.



Student Union Welfare Committee representative, John Horley, with Chisholm's new artist-in-residence, Fiona McCullough.

A feature of the Contact Program will be the appointment of the Student Union's first artist-in-residence, Fiona McCullough, a graduate in Art (Sculpture) at RMIT, who is currently studying for her Graduate Diploma in Arts Education at Phillip Institute.

Ms McCullough, 21, will work with students on an 'environmental installation' in the cafeteria area of

the Union building for the duration of the program.

Her sculpture, comprising raw rope and rock, will be suspended from the ceiling to provide a 'striking contrast in an otherwise sterile environment'.

According to Ms McCullough, 'a lot of students won't have experienced the processes a sculptor goes through, so I hope to get as many involved as possible'.

Classifieds

PUBLIC NOTICES

Chisholm students/staff aged 18 and upwards who are diabetic or who wish to find out more about diabetes are welcome to join the Diabetes Support Association, an organisation of the Southern Memorial Hospital. For more information, contact Lucy Bell, extension 2526.

GENERAL STAFF CLASSIFICATION EVALUATION COMMITTEE

The General Staff Classification Evaluation Committee held a meeting on 26 June 1984, to further consider requests for reclassification and a request for a new position.

The Committee has made certain recommendations regarding some of these requests and is also seeking further advice on others.

The Committee is to meet again in the near future to consider requests for reclassification from Library Staff.

Some of the other matters discussed at the meeting were

- Broad banding of positions where natural progression is involved; and
- Procedural matters relating to presentation of requests.

OPEN DAY ON

For those who have not heard, Open Day is definitely on at both campuses on Sunday 19 August, 11 am to 3 pm.

A special edition of the GAZETTE will be issued before the day, carrying the full program.

Inquiries about Open Day should be directed to the Open Day Committee Chairman, Mr Phil Irvine, on 2424, Caulfield.

Wormald Fire Systems are recalling the following BCF fire extinguishers because a check has found some units have a defective check valve: 2.7kg, 5.4kg, 7.0kg and 11.5kg, manufactured between January 1981 and May 1984.

Contact Chisholm Safety Officer, Mr Alex Glennie, for more information, extension 2523, Caulfield.

The next VCSA Chisholm Branch meeting will be at the Frankston campus, Monday 30 July at Noon. For more information contact Alan Harrison, extension 223.

FOR SALE

HOLDEN HR Sedan '66. Light blue duco, white vinyl roof. Dark blue velour carpet throughout, reverse deep dish chromies, Bridgestone 60's all round. Fully chromed 186 manual engine, full alarm system and electronic bonnet lock. \$3000 ono. Telephone Mandi, extension 2135, or 554 7441 AH.

EQUIPMENT FOR DISPOSAL
Artiscope Vacuum 4P Photographic Camera Serial No. 15061080 lenses staeble-ultragon 1:9/150MM 1:9/210MM supplied with agfa gavaert copyproof cp53 processor. Apply Shirley, Supply office, extension 2096.

CLASSIFIED ADS IN THE GAZETTE ARE FREE. THEY CAN BE LEFT WITH THE PUBLIC RELATIONS OFFICE, C1.08, OR TELEPHONE EXTENSION 2311.

PR netball hot-shot



Lee McLellan, one of the smiling faces behind Chisholm's Public Relations Office, has yet another talent - netball.

A talented goaler, Ms McLellan, was recently a driving force in her team's premiership win.

'The Bombers' took out their Grand Final in the Moorabbin Netball Association competition - (the P.R. office has been celebrating ever since).

What's On

STAFF CLUB

MOZART, MUNCH & MORE
MOZART - Sunday, 29 July, 1984

Sunday Concert performed by the Malvern Symphony Orchestra, featuring works of Mozart with leading Melbourne soloists.

Caulfield Campus, 2nd Level, Phillip Law Building. Doors open at 11 am and the concert starts at 11.30 am. A roast lunch which is included in the price of the ticket, is served at interval.

The concert will finish by 3 pm. Tickets are \$12.

W.A. Mozart

Divertimento for Strings K137
W.A. Mozart

Flute Concerto in G, K313
Soloist: Alison Myles

W.A. Mozart

Symphony Concertante for Violin and Viola in E flat K364
Soloists: Robert John, Violin & Trevor Jones, Viola

INTERVAL

W.A. Mozart

Motet 'Exultate Jubilate', K165
Soloist: Shauna Beasley, Soprano

W.A. Mozart

Symphony No. 40 in G minor, K550.

Inquiries: 573 2133

CIT MARKET

A market will be held on Wednesday 1 August, 1984 from 11 am to 2 pm in the grounds of Caulfield campus (under cover if wet).

There will be stalls selling a range of items, including groceries, vegetables and craft goods.

Inquiries: 573 2133

PLAN TO INVEST

The Staff Club is presenting another seminar for the public, 'Plan to Invest', at the Caulfield campus on Saturday 4 August at 1 pm.

The obligation-free seminar will cover a variety of topics, including,

- Investment opportunities and portfolio management in the 1980s

- Using the gearing principle to maximise investment returns
- Superannuation and its importance in long-term financial strategies

- Unit trusts and their advantages in property and equity investment.

The seminar is being sponsored by Darlington Investment Services, and although tickets are free, booking is necessary to plan catering and accommodation.

For more information or bookings, contact Alan Hamstead, 573 2133.

CREATIVE ARTS DISPLAY 1984

From Monday 30 July - Friday 3 August, the Caulfield Arts Centre is exhibiting works by Year 12 Creative Arts students from schools throughout Victoria.

The Gallery at 441 Inkerman Road, Caulfield, is open Monday to Friday, 10 am - 5 pm. Telephone 524 3277 or 624 3287 for more information.

SHEER MADNESS

An exhibition of ceramics by Deborah Halpern and Pamela Irving, and etchings by Mitzi Shearer, will be held at the Gryphon Gallery from 23 July - 10 August.

The Gallery is open weekdays and Saturdays, 10 am - 4 pm and Wednesdays until 7.30 pm.

The Gryphon Gallery is located at Melbourne CAE, Carlton Campus, cnr Grattan and Swanston Streets. Telephone 341 8587 or 341 8614 for more information.

Deadline for the next GAZETTE on 2 August is Tuesday 24 July. Don't miss out - get your copy in early. It can be left with the Public Relations Office, C1.08, or telephone extension 2311.

Printing Services

offers you the following services for Chisholm . . .

- designing, typesetting and complete art
 - same day service for class notes, minutes & agendas and all general printing (1.1 per side dept. funds)
 - colour printing • posters • brochures
 - reports & covers • business & compliments cards
 - manuals • letterheads • newsletters
 - course material • leaflets
 - collating • binding • stapling • folding
 - guillotining • drilling
- We also have a pick-up and delivery service.

(For further inquiries ring extension 2135)
Located on ground floor, C Block, Room C1.04, Caulfield Campus

