

In an all-staff meeting held on campus last week President Murray was optimistic that the current budget shortfall of \$4,287,628 would be minimized when the government has a chance to see what impact the reduction would have on programs and services at BCIT.

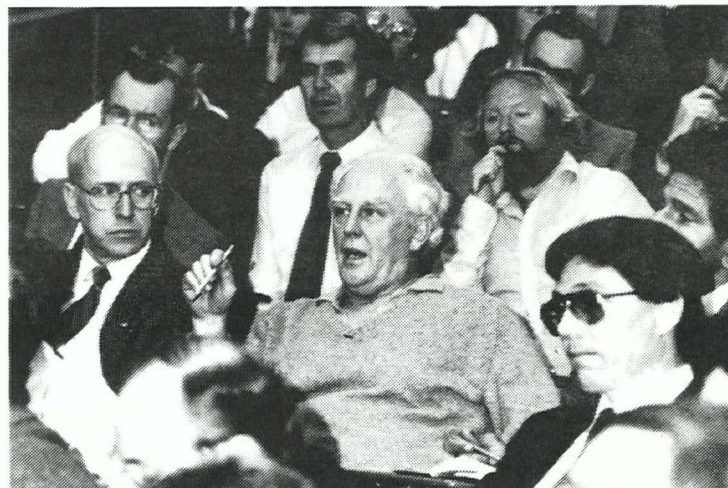
Murray explained that while the government has provided BCIT with an interim global budget of \$50.7m they had indicated that additional monies might be available through the Excellence in Education Fund. The proposed Institute budget anticipates an additional \$1.4m to bring the base government grant up to last year's level.

Murray indicated that of the \$4,287,628, 35 per cent of the reduction would have to come from the administrative and 65 per cent from educational areas. This would mean reducing sup-

## President seeks Ministry assistance in attempt to minimize budget shortfall

port staff, starting two instead of three new programs in September, reformatting Continuing Education to make it more cost recoverable, reducing the calendar budget, cutting the President's Institute Support Group by \$63,900 and effecting further cuts in the Finance, Administration and Student Services areas.

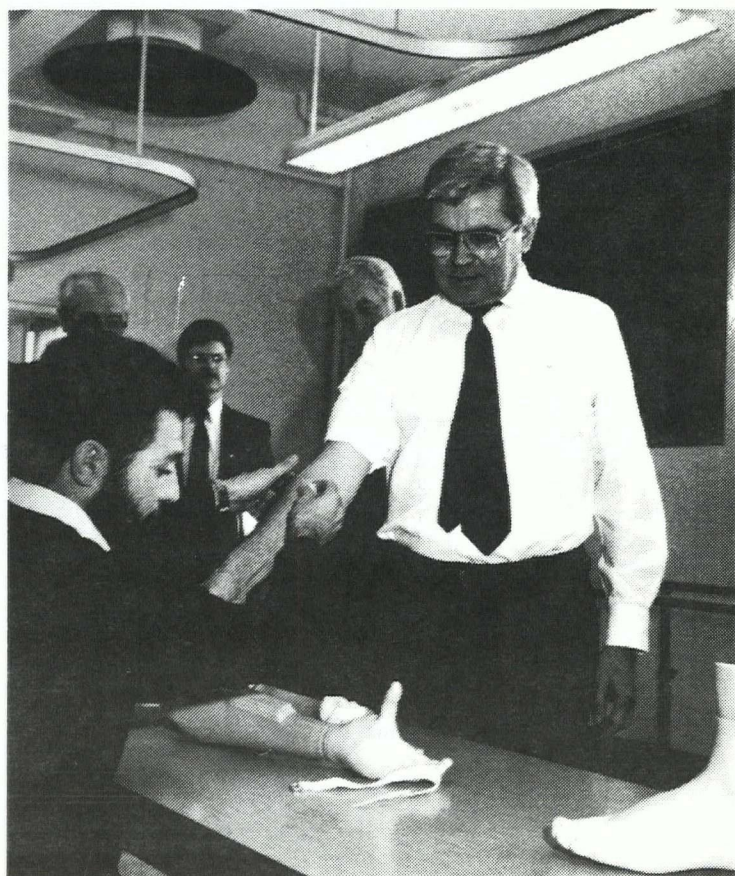
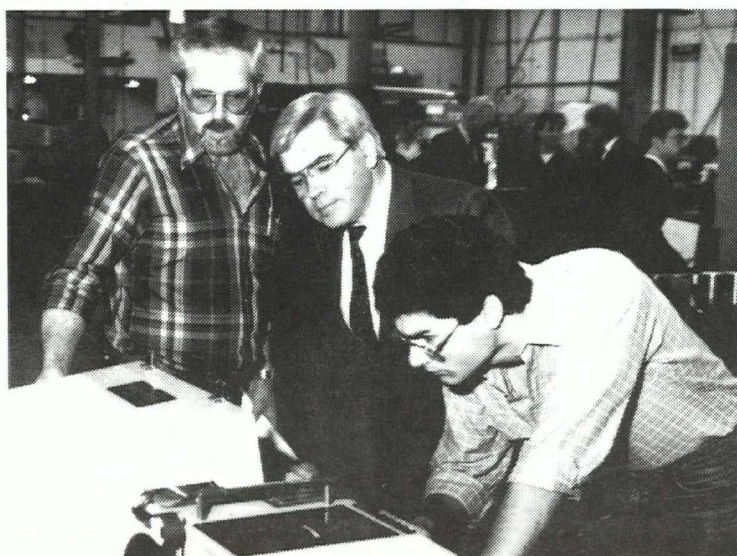
Murray was adamant that the quality of BCIT programming would be maintained, saying he was opposed to "trimming away" program budgets. He declined to list the proposed educational cuts but said the decisions were made in consultation with Drug Svetic, budget unit managers and the Board of



Questions at last Wednesday's open budget session were mainly concerned with the possibility of program cuts.

## FEDERAL MINISTER VISITS CAMPUS

Minister of Science and Technology, Frank Oberle, visited campus last Thursday. He was given a tour of the Machine Shop, Chemical Sciences lab, CAD/CAM lab, Robotics lab, Microelectronics lab and Prosthetics and Orthotics lab. He was later treated to a five course luncheon at the Food Training Centre. **Right:** In the Prosthetics and Orthotics lab Oberle discovers how his own nerve impulses, generated through electrodes attached to his skin, can control the movement of an artificial arm. **Below:** In the machine shop Oberle watches as a student demonstrates a computer operated numerical control machine. Chief instructor Ted Marchant stands to the left.





# Campus People



## TERRY SUBTELNY GETS RAFFLE PRIZE

Steel fabrication instructor Terry Subtelny, right, receives two return tickets to Penticton from Gerry Goodridge, manager corporate relations, western region of P.W.A. Ltd. The tickets were won by Subtelny in the United Way raffle held last November.

**John Bateman**, director of Food and Hospitality Services is this year's Food Service Executive of the Year. He was awarded the distinctive honour on April 8 by the Canadian Food Service Executives Association, Vancouver branch. As well as an award plaque, John also received a CFSEA blazer and full registration costs to the CFSEA national convention in Winnipeg on June 18.

**President Murray** visited Cranbrook on April 24 and, while the main purpose of his visit was to participate in a conference at East Kootenay Community College, he managed to make the BCIT presence felt in many other parts of town as well.

At 7:30 a.m. Murray breakfasted with several community leaders including Arnold Lowden, chairman of the Cranbrook School Board, Duane Sutherland, superintendent of Schools, Jake McInnis, president of East Kootenay College, Brian Tully, president of the Chamber of Commerce, Stuart Lang, president of Crestwood Forest Industries, Ted Jackson, director of Engineering and Planning for Crestwood Forest Industries, Merlin Hokanson, executive administrator of the regional hos-

pital and Mike Widmer, editor of the Cranbrook Daily Townsman newspaper.

Later, Murray recorded an interview at CKEK radio station, addressed a lunchtime meeting of the Cranbrook Rotary Club and at 2 p.m. participated in a panel discussion on New Developments in Education at the conference for information officers and C.E.O.'s sponsored by Informed. Murray was accompanied by BCIT's information officer, Terry Garner.

Board member Ed Taylor of Crestwood Forest Industries helped facilitate many of the engagements on the president's hectic one day schedule.

## Vacation tips

Anyone with plans to stay in Victoria or Regina this summer should take note of the following.

The University of Victoria is running an inexpensive bed and breakfast service with rates at \$26 for a single and \$30 for a double. For reservations, phone (1) 721-8395 or write Housing and Conference Services, University of Victoria, P.O. Box 1700, Victoria, B.C., V8W 2Y2.

The University of Saskatchewan is offering cheap accommodation this summer in their student residences. For more information and reservations, phone (306) 584-4777 or write to College West Residence Office, University of Regina, Regina, Saskatchewan, S4S 0A2.

## BIRTHDAY GIRL

Camille Abel of the Math Department had a "wonderful time" when her co-workers treated her to lunch at Redford House on April 22. Seated with Camille, centre, are clockwise from left: Judy Cowland, Chemistry Department, Pat Ord, Nursing Department, Helen Moore, Housing Office, Maureen Parks, Math Department, Trish Alford, Finance and Lorna Peacock, School of Academic and Vocational Support.





## Instructor's visit assists government's quest for change

China's emergence from its long isolation from the western world is opening up tremendous investment and trade opportunities for the rest of the world, says Financial Management instructor Ernie Iannacone, who recently visited the country at the invitation of the Hong Kong Society of Accountants and the Accounting Society of China. The occasion was the first Joint Conference on Investment Considerations and was sponsored by China's Ministry of Finance.

On his ten-day, tightly organized visit, Ernie was in close contact with accountants like himself, bankers, lawyers and investors — just about anybody with a stake in the China of today. Of the 350 delegates, half were from China and the rest mostly from Pacific Rim countries like Canada, New Zealand, the United States and India.

The conference, held at Guangzhou (formerly Canton, Vancouver's sister city), was intended to encourage investment and trade and was particularly significant in light of Hong Kong's imminent transfer from Britain to mainland China. According to Iannacone, millions of dollars worth of transactions took place just during the conference and, while he was naturally interested in the phenomenal investment opportunities, the main purpose of his visit was to assist the country in its quest for a modern accounting system. It is professional expertise like his which is so keenly sought by the communist government as they strive to catch up with the accounting and business practices of the West.

"Their accounting system is very antiquated due to their closed door policy on training professionals," says Iannacone. "No accountants were graduated for a period of about 15

years and this is sadly evident at the Shanghai University of Economics and Finance where no more than about seven or eight faculty members in the Accounting Department out of about 85 faculty could be classified as trained accountants at the level our universities would demand."

Outmoded accounting systems, he says, can be found in their non-use of the double-entry book-keeping system, the fact that they don't recognize common western accounting concepts like allowance for debts and "lower of cost or market," which allows for fluctuations in market value of goods, and the fact that, in order to prevent money from going out of the country, they have two types of currency — one for the local inhabitants and one for tourists.

Although very successful at running their state-owned businesses, the inflation rate in China was 16.4 per cent in 1985, a fact which causes the government to be very interested in the West's "current value" or "inflation accounting". While in China Iannacone was asked by the deputy minister of finance to compile information for him on this as the government has hopes of lowering its inflation rate to seven per cent this year.

The Chinese government prefer to bring in western professionals to train their people rather than spend a lot of money on educating them overseas. That is why there is now a considerable number of teaching opportunities in Chinese institutions for experts in all fields, especially business and economics.

Iannacone says that the trip to China was so tightly organized he didn't get much time to absorb the culture. The only time he could do any sightseeing was early in the morning when, he



Financial Management instructor Ernie Iannacone, left, with Herbert Spencer, president of the Australian Society of Accountants, takes part in first joint conference on Investment Considerations sponsored by China's Ministry of Finance.

observed, "there were always massive numbers of people on the streets and bicycles everywhere."

Among his observations of Chinese life, though, one thing was glaringly obvious — the Chinese have an awful lot of

catching up to do. Their lack of professionally trained people is evidenced by the number of manual labourers as opposed to technologists, the fact that for every 100,000 people there is only one dentist and for every 10,000 people 1.34 doctors!

Sample some of Burnaby's finest cuisine  
while viewing the work of Burnaby artists  
at the Redford House  
Culinaire Dining Room



Each month the Burnaby Artists' Guild  
features the work of local artists.  
All paintings are for sale.



# Tech Talk

## Canadian Inventions Offered

Canadian inventors are offering a Canadian or foreign firm the right to manufacture, market or purchase their invention, ALPHAPLUS, a stress control device. Portable and easy to use, this device is said to help reduce and prevent stress and fight insomnia. The inventors claim the device is painless, has no side effects and can be used by the whole family. Other inventions currently being offered in Canada include:

**Humectants to Preserve Meat Products** This invention involves conveniently manufactured protein hydrolysates for use as humectants in meat and fish products. Problems associated with taste, saltiness or the effects on hypertension of previous humectants are circumvented. The humectants are nutritious, safe, colourless and relatively bland to the palate.

## Lumber/Plywood Student's Skill Rewarded

Students from BCIT's Lumber and Plywood technology successfully demonstrated their skills at the Forest Industry's Annual Machinery and

Equipment Show in Portland recently.

Carroll-Hatch (International) Ltd., a major consulting engineering firm, had organized a contest whereby participants were invited via

consolation prizes.

Instructor Eric Worthy later proved that his sawing techniques lessons are "right on the money" when he succeeded in matching the top value!



Lumber/Plywood student Don Friesen, centre, is presented with a Texas Mickey by Peter Neild of Carroll-Hatch (International) Ltd., right. Friesen won the prize during a forest industry show in Portland recently. Instructor Eric Worthy looks on, left.

computer simulation to process a hypothetical saw log through several sawmill machine centres in order to derive the best dollar value for end products produced. BCIT's students jumped at this chance to show what they had learned in their studies and almost all of them exceeded the average return per log of \$17.28 achieved by 65 other contest entrants. But the clear winner was Don Friesen with his value of \$21.87. Not bad when you consider that the Carroll-Hatch engineers themselves had achieved a maximum value at only 24¢ more. For his efforts Friesen was awarded a Texas Mickey, while the other contestants received

## Computer Systems Lab Gains International Recognition

Computer Systems Technology's ARCS (Applied Research in Computer Systems) Lab is gaining international recognition. Its head, Dr. Michael Scriabin, has just returned from an operations research conference in Los Angeles where he presented an invited paper on his new Symbiotic Interactive Systems technique for solving complex problems.

When asked to describe a Symbiotic Interactive System, Mike refers to the Webster definition of symbiosis: "The intimate living together of two dissimilar organisms in a mutually beneficial relationship." Mike's technique, which teams a computer emulating a human with a person using a visual approach, has resulted in better solutions than traditional interactive systems. The most difficult part of the research, says Mike, was getting the computer to appear to be thinking visually. "Computers are known to be not only much quicker but better than people when both use a sequential procedure, but the human is better when he uses his powers of pattern recognition and problem visualization." Mike's experiments indicate that in complex problems sequential interactive computer techniques often interfere with the human visual approach, while a symbiotic technique supports it.

## CONNECTION

The last edition of the BCIT Connection before the summer break will be published on May 23.

If you wish to have anything included in this final issue, please call the editor at 432-8738.

Connection will resume publishing in September.



# Smoking policy for BCIT viewed as inevitable

"Half of the 1,050 lung cancer deaths in Canada among NON SMOKERS in 1983 were attributed to passive or involuntary smoking."

National Health and Welfare Study, October, 1985

This is the kind of quote Beverley Alder has at her fingertips whenever she is called upon to talk about the dangers of smoking. It forms an arsenal of carefully researched material that backs up her endeavors to seek a smoking policy for BCIT. Not that she doesn't have support right here on campus. In a recent questionnaire directed to staff and students she found that 90 per cent of the staff polled want a formal Institute smoking policy.

Last Thursday Alder, an instructor in Basic Health Sciences, presented the findings of the Smoking Policy Committee to vice president, Administration, Len McNeeley who will review the results with other senior managers before taking any further steps. Alder is optimistic though, anticipating that by September the Institute will adopt a formal smoking policy.

A quick look around at other educational institutions indicates that we are not the first to move in this direction. UBC and SFU are currently developing smoking policies, Camosun College has had restrictions for at least a year in compliance with the Capital Regional District by-law and Kwantlen is also taking measures to restrict smoking.

The trend acknowledging the enormous body of evidence linking smoking to health risks in both the smoker and non-smoker

is everywhere, and organizations bucking the trend do so at their own peril. In December, 1985 a court ruling found the Treasury Board of Health Welfare Canada at fault by failing to provide separately ventilated areas for smokers working in the same workplace as non-smoking employees. The separately ventilated areas, the court ruled, would ensure that the tobacco smoke is confined as close as reasonably practicable to its source.

*"We used to think of smoking as a personal health problem, but I think it is now perceived as a public health problem. . . ."*

"We used to think of smoking as a personal health problem, but I think it is now perceived as a public health problem," says Alder, pointing to further alarming evidence:

"Sidestream smoke contains two chemicals listed by the Workers' Compensation Board of B.C. as carcinogens with no permitted exposure or contact by any route, be that respiratory, skin or oral. Healthwise, this means that smoke contains damaging pollutants," Alder confirms.

The Workers' Compensation Board, in fact, has just implemented its own smoking policy. It bans smoking in meeting, conference, training rooms, work stations, private offices, general office areas, hallways, corridors, reception areas, washrooms, stairwells and, at their head office, in elevators as well. In posting the policy to employees the WCB notes:

"These policies recognize that although the goal may be a totally smoke-free work environment there will be some difficulty for smokers in initial compliance. Designated smoking areas would hopefully be a temporary measure which ultimately will not be required."

BCIT's other campuses have already come under smoking restrictions because of the municipalities in which they reside. Maple Ridge, the second municipality in B.C. to adopt a smoking by-law, has banned smoking in many areas including "places of assembly" and "service counters" both of which affect our Maple Ridge campus.

Richmond Municipality is more specific. Their by-law, enacted in September last year, controls smoking in places of public assembly where people "gather together for the purpose of education" among other things. This affects the Sea Island campus.

Last week Vancouver City



Beverley Alder, chairperson of Smoking Policy committee

Council passed the first reading of its amended health by-law to incorporate clean indoor air in places of public assembly and in the workplace. Located in the heart of downtown Vancouver, BCIT's Downtown Education Center will probably have to comply with this.

The BCIT Smoking Policy Committee has done its work well under the dedicated leadership of Beverley Alder. She has worked weekends and long evenings on the project, often with the help of her "smoker" husband who has provided proof reading and editing assistance when necessary. Although she doesn't see herself on a personal campaign, she admits to having a history of personal suffering from second hand smoke and BCIT's willingness to consider enacting a smoking policy has provided her with a great deal of motivation.

## New BCIT series starts on Knowledge Network

A series of two-minute "Tech Talk" spots on BCIT trades and technology training began a two-month run on Knowledge Network this month.

Produced by Information Services, the five video pieces focus on the following:

- Redford House — food preparation and food services courses;

- Natural Gas Conversion — a unique trades program offered by the Automotive Department;

- Nuclear Diagnostic Imaging — showing how radioactive material is injected into the bloodstream to create graphic video images;

- Log Scaling by Computer — hi tech applications in timber harvesting;

- Robotic Aids for Disabled Persons — a cooperative research program involving the Neil Squire Foundation, Triumph and BCIT's Biomedical Electronics Technology.

Instructors appearing on-camera include Jonn Regan, John Bateman, Gino Simeoni,

Brenda Clark, Henry Lenko and Don Campbell. Reporters are students from this year's graduating class in Broadcast Journalism.

Starting May 4, "Tech Talk" will be seen twice daily at various times throughout the KNOW program schedule until the end of June.



# President's Corner

## Budget Shortfall . . . from page 1

Q. Inasmuch as the existing egalitarian salary schedule for BCIT instructors contains no "barriers", how do you view this schedule with respect to:

- (a) motivating existing instructors to upgrade their qualifications, and
- (b) attracting and holding the best possible instructors?

A. Generally speaking I am in favour of merit pay, but in the context of dealing with a union group it is difficult to implement and that is understandable. The recognition of excellence is sometimes difficult because we are talking about "degree of" excellence, and who should determine that?

I would hope that we are developing an environment which encourages the search for excellence and rewards faculty with an opportunity to grow in their field of expertise.

Faculty are hired, not for their teaching expertise but for the specialized knowledge they have about a particular area. It is understood that all faculty will maintain some ongoing professional development program to ensure that they remain current in their field of expertise. To fail to do so would have detrimental effects on the quality of Institute programs.

Attracting and holding the best instructors? I recognize this is always a problem in institutions. Unfortunately we do not have the money to engage in a bidding war with the private sector for professional talent. Fortunately, however, many excellent people opt for an academic life even though they are capable of earning much more in the private sector. This is the salvation of institutes like BCIT.

Governors. Explaining that the decision-making had been an agonizing process involving over 100 hours of consultation and some sleepless nights for himself, he said, "I took the responsibility in consultation with the best advice I could get and hopefully when you see the list you will see there is a lot of rationalization."

Murray said the reason for the severity of the shortfall was the result of many things over which the Institute has minimum control. UBC may give up its facility on campus, the TRAC specialties are more expensive than anticipated and the summer intake of certain programs requires additional financial support.

Asked how soon the Institute would know which programs would be affected, Murray said probably the end of May when the Board of Governors meets with the government. In the interim he will be presenting BCIT's proposed budget to the Ministry of Post-Secondary Education.

"We are giving them the opportunity to change it in light of some of the political considerations involved," Murray explained. He said no calculations had been made in terms of numbers of instructors who may be laid off.

During his comments on Wednesday Murray said a decision has been made not to proceed with the HITRAC summer program owing to staffing problems and to discontinue the TRAC program which has experienced many major difficulties. He said there would be no layoffs in TRAC and savings resulting from HITRAC would go into curriculum development.

Murray also noted that the Institute has applied for \$8m from the Excellence in Education fund. One of the submissions requested seed money for the proposed Development Assistance Centre. He said that the private sector had shown interest in the venture and that fund raising is due to start in July.



President Murray addresses packed hall of staff members during open session on budget last week.



## Business should get involved with post secondary education Murray tells Cranbrook Rotary Club

by Mike Widmer, editor, Cranbrook Daily Townsman

Post-secondary education is too important to British Columbia's business community for it not to get involved in the process of delivering that education, according to the head of the B.C. Institute of Technology.

BCIT president Roy Murray said in Cranbrook last week that there must be a greater involvement on the part of business in the field of post-secondary education. Murray said that involvement could either be "voluntary or forced", depending on how the B.C. business community acts to overtures by educators to take a more active role.

"You have a right to be concerned about whether or not the system is providing the level of service required for the tax dollars received," Murray said at a local Rotary club luncheon Thursday.

He pointed out that virtually all business people were affected by the products of the post-secondary educational service, either through employees or family members.

"We must remember that our greatest resource is human resource," he said.

One area Murray feels business should concern itself with more is job training. He said millions of dollars a year offered by the federal government to the private sector are not being utilized, either because businesses are unaware of the opportunity or simply not interested in doing the training. In either case, Murray felt it was harmful to the Canadian economy not to take advantage of the federal funding for such vital training.

Murray said his institution, which has a provincial mandate to provide vocational and technical training, has observed some fundamental

changes in post-secondary education in the past few years. One of the most significant, according to the BCIT president, is that uncertainty about employment prospects has changed student attitudes.

"They're (students) much more serious and concerned about the quality of education they're receiving," said Murray. "They want to be competitive and are extremely job-oriented."

He also pointed out that the existing high level of unemployment in B.C. trades has adversely affected apprenticeship programs in this province and warned of impending shortages in skilled workers unless new directions were taken to provide those trained employees. Murray suggested a change in the apprenticeship program so that workers would be placed in an in-school training program so a pool of tradespeople would be available when the need arises.

Murray also spoke of his institution's moves to develop closer relations with other post-secondary facilities, noting BCIT has recently joined with some B.C. colleges in joint programming and transfer programming. Those steps, Murray said, are needed to present a "common front" in technical and vocational training.

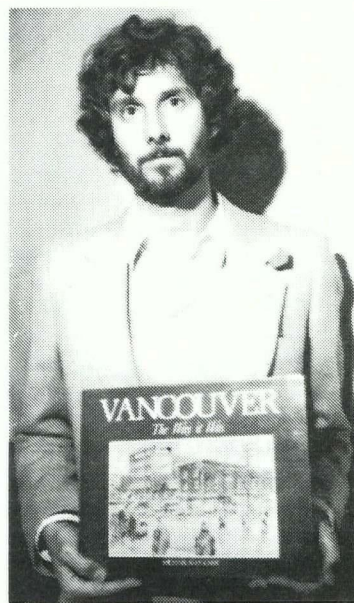
"It's often difficult for business and industry to understand where to go for training assistance," he said.

He also said the provincial government has promoted these closer ties, noting that post-secondary facilities were being encouraged to develop joint initiatives for financial support from the ministry of education's excellence in education fund.

*This article is reprinted with the permission of the Cranbrook Daily Townsman*

## Reading suggestions offered by Library

1. CD-ROM, the new papyrus: the current and future state of the art (held on RESERVE)
2. Educational Technology to the year 2000
3. Gzowski, Peter. the Morningside Papers
4. Willan, Anne. The Observer French Cookery School
5. Griffin, Donald. Animal Thinking
6. Beny, Roloff. The Romance of Architecture.
7. Levinson, Jay. Guerrilla Marketing: secrets for making big profits from your small business
8. Canada Tomorrow Conference (on technology and technological change)
9. Millard, Christopher. Legal Protection of Computer Programs and Data
10. Gwyn, Richard. The 49th Paradox



Artist/historian/author Michael Kluckner was at the library recently to give a slide presentation on his latest book — "Vancouver, The Way It Was." Kluckner worked for the BCIT Student Association as Publications Manager from 1976 to 1979.

### The Staff Social Club Presents

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Phone Mark Angelo at 5711  
or send him your cheque  
made out to "Staff Social Club"

## BCIT Connection

**Editor:** Trisha Mason

This newsletter is published every other Friday, September through May. Letters to the editor, articles, story tips, photos, etc., are welcome but the editor reserves the right to edit for brevity, clarity or libel. Due to space restrictions the editor cannot guarantee inclusion in a specific edition. All copy should be submitted seven working days before publication to **Trisha Mason** in the S.W. corner of the administration building, phone 432-8738.

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**Photos:** Ken Gill, Basil Fox



Microelectronics program head, Mal Phillips, left, presented Science/Technology minister, Frank Oberle, with a rather unusual memento of his visit to BCIT last Thursday.

Phillips spent about four hours constructing a gift that would serve both as a reminder of the new Institute and of the microelectronics laboratory. Removing the pin from one of the new BCIT lapel pins, he then glued the remaining logo, together with a microchip on to a tie bar. Result? A tie pin that will not only keep Frank Oberle's tie secure and his memories of BCIT intact, but may serve as something of a conversation piece in Ottawa too!



This whimsical observation of BCIT's forthcoming convocation ceremony was submitted by Richard Smith of the Curriculum Development Centre.