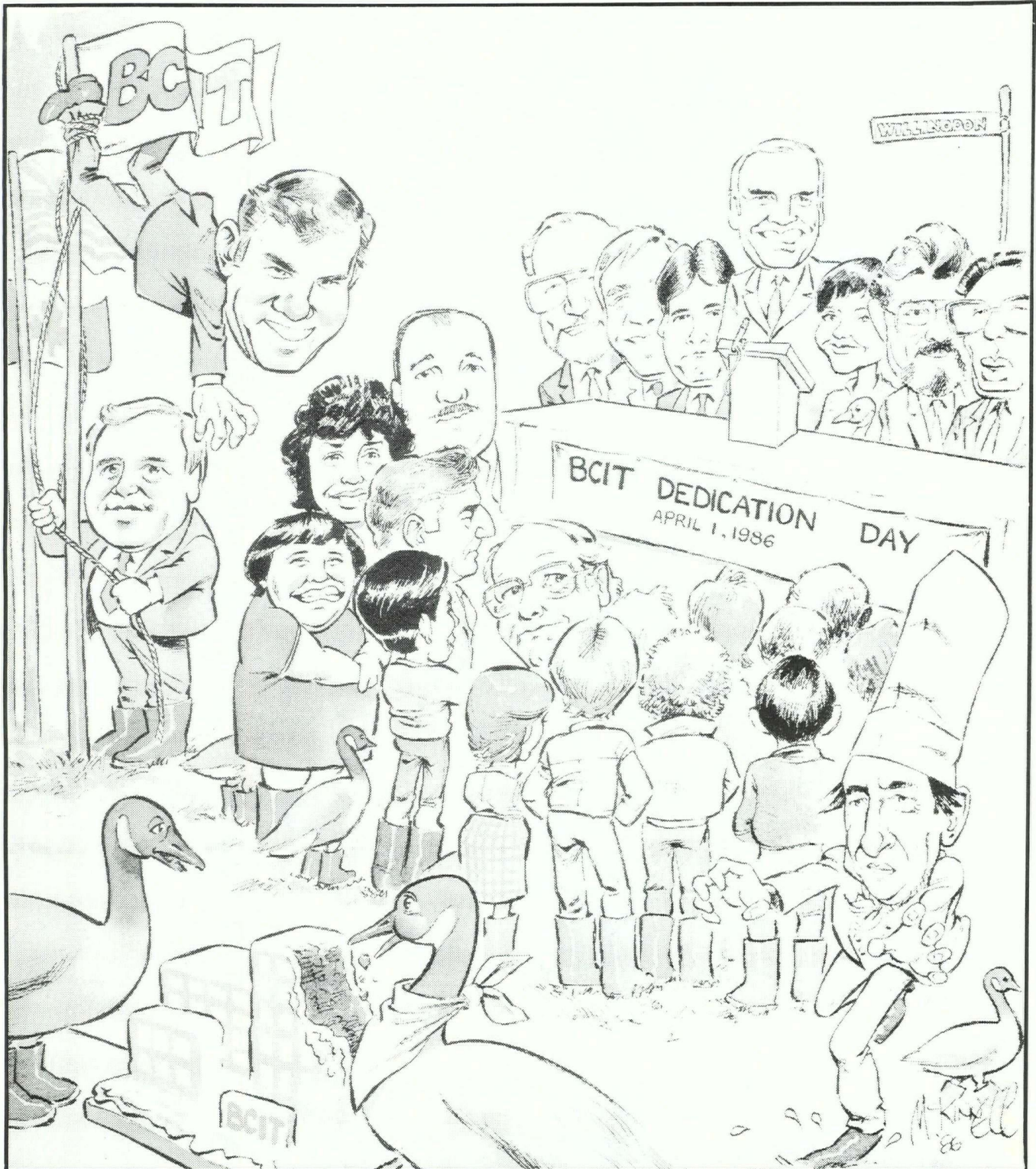


# the *BCIT Connection*

Vol. 2, No. 6

A newsletter for the BCIT community

March 28, 1986



"What's all the fuss about?" "Beats me, but the cake is sure good."



# Campus People



**Ron Sproule**, former manager of processing services in Computer Resources, is now acting director of Computer Resources. He takes over from **Willy Kurz**, who left the Institute recently to take up a position as chief information officer with the Workers' Compensation Board.

**Derek Taylor** was recently honored at a retirement gathering in the Food Training Centre. Fellow employees and

staff from the Chef's Training course presented him with a leather wallet and purse of money. Derek, who has been employed by BCIT since 1969, was also presented with a cake by **Bert Phillips** and his students.

Shown in the picture with Derek is **Laura Stella** who was taking part in the Campus Food Service Valentine contest at the time and **Lauren Arens** administrative clerk.

BCIT Civil Engineering Instructor **Mike Boyle** has been seen of late flexing his muscles, not to mention his machismo, on the streets of Puerto Vallarta.

Meanwhile, by an incredible coincidence, Maple Ridge Drafting Instructor **Tony Start** just happened to be up in the nearby hills designing lesson plans.

Also spotted hiking down the beach in Puerto Vallarta recently was BCIT Civil and Structural Instructor **Al Payne**. Dressed from head to toe in polyester (to combat the 90 degree temperatures?) and carrying a large packsack on his back, Al, it appeared, had been hiking the West Coast Trail and "just got a bit too far south."

## Start Laughing To Get Ahead

If you have a sense of humor, you'll be glad to know that:

- 84 percent of 100 top management people surveyed for a national recruiting firm said that employees with a sense of humour do a better job than others.

- People in top management positions are perceived as having the best sense of humour.

Robert Half, president of the recruiting firm, said that people with a sense of humor tend to be more creative.

Source: *New Jersey Success*, 1138 N. Broad St., Hillside, NJ 07205.

## More Staff Relocates

Several more administrative departments have now been temporarily relocated as a result of renovations taking place across campus.

**Personnel** is now in Trailer 1B (formerly the home of the Development Group) until September 1; **Finance** has moved into the office vacated by Personnel on the second floor of 1A 62, until September; and the **Registrar's** area has moved into the Inglis Building until July. Phone numbers for these departments remain the same.

**Ron Sterne** has just moved, along with secretary **Loraleigh Smith**, into the north wing of the newly renovated administration building. Ron's number remains the same, but Loraleigh's local is now 8404.

The **Alumni Association** has moved from Trailer 1B to Trailer 1C. Their phone number remains the same.

## The Staff Social Club Presents SPRING FLING



an evening of dancing, fun  
and games and good food

SATURDAY, MAY 3, 8:30 P.M.

SAC CAFETERIA

TICKETS — \$8

Casual Dress

(and those wearing hats — the stranger the better —  
will have a chance at winning a prize)

LIMBO CONTEST TOO!!

Tickets available from Mark Angelo, Forest Resource, Janet Tucker, Word Processing Centre, Colleen Fostvelt, Personnel, or Judy Bainbridge, Steel Trades Building



# Systems Head Speaks At BCIT Breakfast

John MacLean, vice president Systems for the Canadian Imperial Bank of Commerce, was the guest speaker at the second BCIT Development Council Breakfast for leaders of business and industry on March 12.

The theme of the breakfast talks is, "How my industry is changing as a result of new technology."

MacLean entitled his speech "Information Management: A Perspective," since, he said, "the Commerce recognized many years ago that one of the keys to its future success would be its ability to manage information."

MacLean, as head of the Systems Division of the bank, is responsible for all its information, or data, processing, involving a vast computer network and the activities of some 2000 people.

MacLean talked about the extent to which automation has been embraced by his bank in an effort to bring more and better services to the customer.

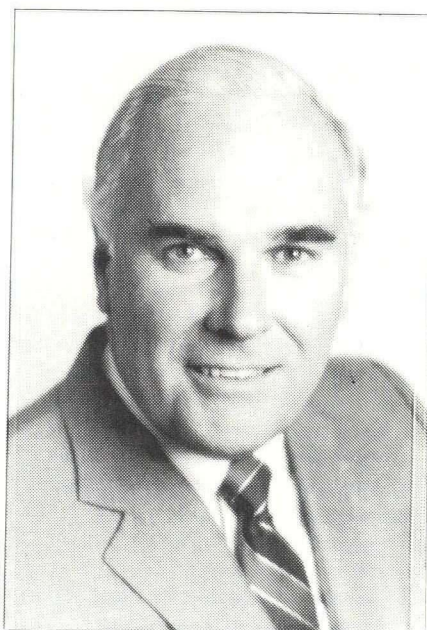
Automated teller machines, for example, are now common across Canada and there are plans for a network of ATMs shared with other banks in the very near future. An international network in the not-too-distant future is a distinct possibility as well, he said. The sorts of transactions that can be done on the ATMs will also grow in the future.

Two years ago, MacLean said, the Commerce decided to equip all its teller stations across the country with IBM PCs. "We wanted to bring more versatility to the banking counter, which had been equipped with teller machines that could perform only a few different sorts of transactions," he explained.

"The new terminals enable us, in addition to routine activities, to prepare term deposits, foreign exchange transactions, mortgages and loans and a range of other activities."

This vast and growing network of computer terminals (12,000 should be installed by next year) is also enabling the Commerce to launch office automation on a very large scale, MacLean said. The same terminals the tellers use are connected to a mainframe computer in Toronto and are able to perform electronic mail functions between all the branches, as well as message handling and word processing.

This greatly increased computerization of the Commerce — the workload



*John MacLean, vice president systems, Canadian Imperial Bank of Commerce*

placed on their computer system is growing at the rate of 25 per cent per year — presents some problems though, MacLean admitted. Extensive new systems are very expensive initially; they require maintenance and security safeguards; staff must be retrained, often in quite different skills from those they used previously; and the audit control process, formerly paper-based, now

electronically handled and stored, is of a radically different nature.

After his speech, MacLean was presented with a copy of "Touch the Magic" — a photographic essay of Vancouver — by Peter Jones, vice president of Student Services and Educational Support.

President Roy Murray addressed the audience briefly on BCIT's changing role in the educational world and thanked the audience for its generous support. The Canadian Imperial Bank of Commerce has been one of the single largest donors to BCIT's capital fundraising campaign.

After the event the Connection asked MacLean how he viewed BCIT's series of breakfast talks on technology in business:

"I think such get-togethers for business people are a great idea and, in fact, in Toronto (where he is based) business breakfasts are becoming increasingly known as a very effective way of exchanging ideas. The theme of these Development Council breakfasts is undoubtedly an important one, and I am only too happy to act as an interpreter of technological changes in the often jargon-filled world of systems management."

MacLean joined the Commerce in 1983 after a long systems management career beginning at IBM in 1950.

## BLOOD DONOR CLINIC

One Day Only

FRIDAY, APRIL 11

10 A.M. to 3 P.M.

SAC

by the racquetball courts



# Nuclear Medicine: Students Learn Sophisticated Diagnostic Techniques to Save Lives

Nuclear Medicine is one of the more sophisticated and expensive technologies taught at BCIT, requiring equipment like a \$250,000 gamma ray camera and a \$200,000 digital processing unit to help technicians diagnose abnormalities in body functions.

The program started at BCIT in 1967 is the first such program in the world, says Brenda Clarke, program head. It was started when BCIT was approached by a group of Vancouver physicians, who pointed out the real and growing need for skilled technicians in this, then new, diagnostic technique.

Since that time, Clarke says she has seen a real surge in interest in Nuclear Medicine as a diagnostic technique and a constantly evolving technology:

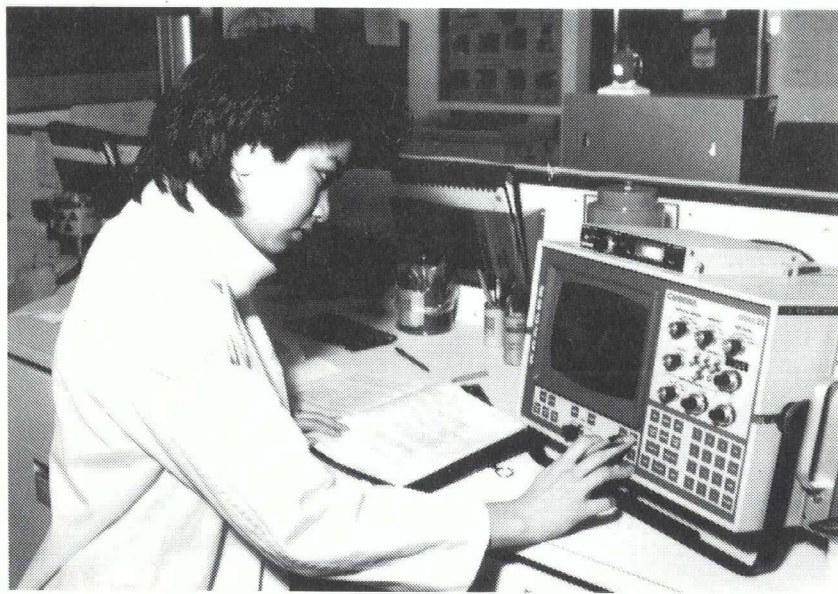
"The advent of Nuclear Medicine has totally changed the way we treat patients. It's allowed us to diagnose things that X-rays, for example, could never do and to do it with very little discomfort to the patient. It is a very effective new weapon in the physician's armoury of diagnostic techniques."

It is particularly good at helping in the diagnosis of certain sorts of diseases or abnormal functions. Although an X-ray can determine if a bone is broken, it cannot determine whether

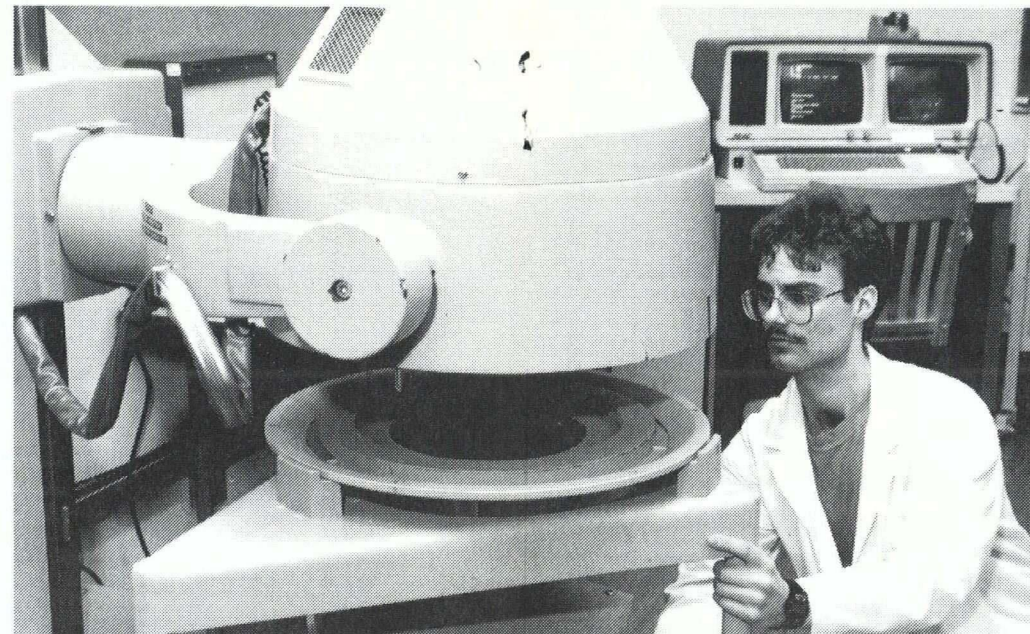
the bone is stressed — only nuclear medicine can. The technique is also unmatched at showing ongoing processes in the body and its organs — blood flow, muscle movement and so on — enabling the detection of a diseased liver or damaged brain or heart.

"Nuclear medicine is to physiology what the X-ray is to anatomy," Clarke says.

The way nuclear diagnostic techniques work is complex, but fascinating. In essence what happens is this: the patient with a suspected abnormal function is given either orally or by injection a minute quantity (too small, Clarke says, to be of any danger) of a chemical that has been made radioactive. Depending on the sort of abnormality being looked for, the chemical can be one of many. Phosphorus is one example. When the chemical has travelled to the area of body or organ that the physician wishes to examine, the patient is placed under a large gamma ray camera, which is sensitive to radioactivity. The distribution of the chemical in the organ can then be studied through images produced, after digital processing, on a video screen.



Second-year Nuclear Medicine student learns how to detect radioactivity on a photo image multiplier.



Second-year Nuclear Medicine student learns how to run the gamma ray camera.

In September, 1985, the laboratory space for Nuclear Medicine was considerably expanded by 740 sq. ft. This space has been turned into an imaging area, housing both the gamma camera and the computers. It has also made room in the main laboratory for an "in vitro" preparation area, where experiments can be performed in test tubes, such as looking for abnormal amounts of hormones. There is also a large radioactive storage area, for which BCIT has a full license. Clarke says this is something very rare for schools, and normally only hospitals and other health care agencies have them.

The program is a demanding one. "It is 24 months of hard work, demanding a special sort of person. You must have a good science base and you must really want to work with sick people, since you will be dealing with them most of the time. I guess what I look for above all is a certain twinkle in the eye. That indicates real enthusiasm," explains Clarke.

Just getting chosen for the program is tough. There is room for only 17 new students each year and there are ten applicants for each position.

Clarke thinks that the 24 continuous months of study are probably too hard on most students, so serious thought is

being given to expanding the program by a year.

The Nuclear Medicine program can be considered a truly co-operative one, since students spend half their time doing field work, gaining clinical experience at one of the 13 health care agencies with which BCIT has a co-op agreement.

Clarke says that regular positive

## Employment Centre has many Vacancies

The Student Employment Action Centre on the fourth floor of the Inglis Building is in a very unusual position. With 80 vacancies to fill (60 of which are full-time) the Centre doesn't have enough applicants.

These jobs are phoned in to the Centre by employers looking specifically for trades or technical grads. The chief reason many of the jobs are going begging, says Jim Beaudry, employment counsellor, is that very few students know about the existence of the Centre, which has been around, nevertheless, since mid-1984.

Why do so few students know about the Centre? One reason is its non prominent location in the Inglis Building. Another is that there has been no funding in the past for advertising. A third, Beaudry thinks, is that many trades instructors are simply not informing their students about the Centre. He cites the example of a group of 44

feedback from patients pleased with the treatment they have received at the hands of her students suggests that the program is producing the sort of grads she wants:

"We've had a great deal of feedback from patients who have been very pleased with their treatment. I'm satisfied that the patients are in good hands with our students."



Second-year Nuclear Medicine student operates the \$200,000 image processor.

electronics grads who were surveyed last year. Not one of them had heard of the Centre.

Whatever the reasons for the Centre's low profile, the small staff (led by coordinator Betty McCallan, who was away at the time of the interview) are now making a concerted effort to inform students and instructors of its existence and of the plentiful supply of jobs. Much of this effort will be directed towards the new part of its clientele — the technology students from the south campus.

Most of the jobs available through the Centre are what Beaudry calls "general" jobs — jobs that require less specialized skills than our graduates normally acquire, but which are more plentiful than the other sort and which the student stands a much better chance of obtaining. The Centre encourages grads to apply for these jobs, which, says Beaudry, are nevertheless, good, respectable jobs with decent pay.

Many grads, he says, have unreal expectations of landing a prestigious high-paying position in their field immediately upon graduation, despite the fact they have no experience. Beaudry says he might encourage, for example, a Marketing Management grad to take a first job as a sales rep rather than try for a job as marketing manager. Or he might try to sell a carpentry apprentice on a framing job, rather than have him hold out, futilely, for a position as a fully-fledged carpenter.

The Student Employment Action Centre's good reputation with employers means there is never a shortage of jobs. Employers looking for specifically qualified grads often contact the Centre first, instead of the Canada Employment Centre. "We do more pre-selection than the CEC," explains Beaudry.

Apart from job listings and job counselling, the Centre also provides a number of other services: a resume service (which is very popular); job search and interview techniques; and information sheets and booklets.

The Centre (438-1343) is jointly funded by the BCIT Student Association and BCIT.



## Chinese Visitors Tour BCIT Campus

BCIT played host March 11 to a touring Chinese delegation from the North China University of Technology, in Beijing Province.

The seven-member delegation, headed by NCUT president Qiu Chun-Lin and Ling Ze Shang, vice chairman of the China Nonferrous Metals Industry General Corporation and former deputy minister of Metallurgical Industry, were here to see how BCIT operates and to discuss the possibility of student exchanges. They were greeted by President Murray in the newly renovated administration offices on the

north campus at 9:30 a.m. and presented with mementos of their visit.

The delegates were particularly interested in the mechanical and electrical areas of campus during their tour. They took careful notes on everything they saw and exchanged views with various faculty members. After touring the labs and before departing BCIT they were given lunch at Redford House.

The BCIT tour, which was organized by Eva Longman, of International Education, formed part of a tour of Vancouver educational institutions coordinated by Norm Henderson, of Vancouver Community College.



*Instructor Dave Lewis demonstrates state-of-the-art robotics technology to members of a Chinese delegation from the North China University of Technology.*

## BCIT to Get Money From New Fund

VICTORIA — Post-Secondary Education Minister Russell Fraser announced March 4 that an allocation of \$4.4 million would be available to British Columbia's colleges and institutes under the Excellence in Education fund.

The funds are in addition to the colleges' base operating budget, and will be used to address non-salary inflation costs, provide increased funding for rural multi-campus centres and fund the Business Development Centres in colleges. The Minister was joined by Vancouver-area MLA Doug Mowat in announcing that the BCIT allocation includes continued funding for the Enterprise Development Program.

"This new allocation is the first funding increase for colleges and institutes to be announced under the Excellence in Education fund unveiled by Premier Bennett February 11 and follows meetings I held recently with College officials," said Fraser.

Fraser noted the purpose of the Excellence in Education fund is two-fold. It will be spent on:

- Adjustments to the operating budgets of schools, colleges and universities.
- Special initiatives to improve the quality of instruction, to respond to economic development opportunities and to modernize facilities and improve efficiency.

The \$110 million in first-year funding represents an increase in education spending of more than six per cent.

Fraser said today's allocation will provide a province-wide total of \$2.3 million for colleges to cover non-salary inflation costs, \$1.3 million for Business Development Centres and \$800,000 in additional funds for multi-campus operations.

"A substantial number of new businesses have been established as a result of the establishment of these centres and I am pleased to see support continue through the Excellence in Education fund," said Fraser.



# Medical Services

**This is the second part of a two part article on A CUSTOMIZED FIRST AID KIT FOR HOME AND VACATION.**

**by James Morrow, R.N.  
Medical Services**

To prevent infection to cuts, abrasions, bites or burns, take along a solution such as Betadine or Proviiodine. Never use greasy dressings such as butter or oil. Instead use large, thick dry dressings and affix with adhesive tape. A strip of adhesive dressing (6.3 x 91 cm) can be cut to size and is more convenient than several different sizes. Buy a good pair of scissors for this purpose. We suggest German stainless steel as they will cut dependably and, if cared for, will last forever. 5.5" blunt/sharp Mayo scissors and a fine pair of double sharp Iris scissors are also a good investment.

One triangular bandage and a dozen assorted safety pins should be sufficient to make an arm sling.

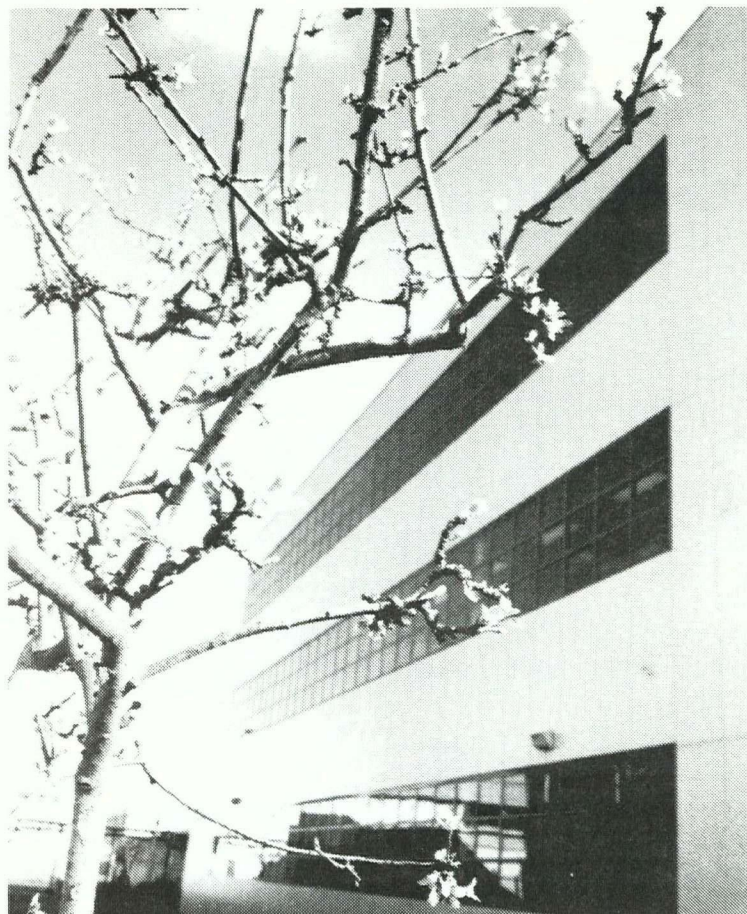
A couple of tensor bandages in different sizes will come in handy, especially if you're the athletic type and prone to sprained joints. For swellings, pack some cold compresses and instant hot packs.

Slivers can be removed with a good pair of fine-tipped tweezers or forceps. Again, stick to German stainless steel.

Other items that might come in handy include wire cutters, a hemostat, for just about anything that needs to be pulled, from large slivers to foreign objects dropped down a drain or stuck behind a car seat, sterile eye pads and Steri-strips (0.5 x 4 inches) which can take the place of stitches for smaller cuts.

For pain and fever include ASA, acetaminophen (Tylenol, Tempra), and/or something stronger such as 222s.

Antihistamines are good for allergic reactions, motion sickness and, if you choose one with sedating side effects, for use as a mild tranquilizer or sleeping pill. Beware of this type if you're



*Campus in Springtime*

driving or operating dangerous equipment.

Sunscreens are a must at any time of the year, especially for lighter-skinned people. They come in lotions, creams and lipsticks.

Rich food or a meal eaten too hastily may lead to indigestion so include an antacid such as Maalox, Dioval, Gelusil or Mylanta.

Whether you venture to Montezuma's tomb or the church picnic, diarrhea is always a possibility. Keep some Kaopectate or Pepto-Bismol on hand.

Baby oil is effective for dry or sunburnt skin and calamine lotion or baking soda will relieve itchy rashes.

When travelling with prescription drugs be certain to include enough for the entire trip.

Let's hope you never have to use your first aid kit for anything other than minor cuts and scrapes. However, knowing that you have a well-stocked kit available at home and on holiday can add a certain sense of security and give you one less thing to worry about. The BOY SCOUT motto, "Be Prepared", really says it all.

**Next Issue: First Aid Treatment**

## the BCIT Connection

**Editor:** Trisha Mason

**Editorial Assistant:** Gene Morrison

**Photographer:** Ken Gill

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 and go to either **Carol Dion** at BCIT Campus north (J.W. Inglis Building) (434-5722) or to **Trisha Mason** at BCIT Campus south, Trailer 1B, 3700 Willingdon Avenue (432-8738).

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# Campus Recreation

## WOMEN'S SQUASH CLINICS

### Session #1 April 7 6:30-8 p.m.

- Warm-up exercises
- Basic explanation of the game, boundaries, rules, and the "Knock-up"
- Ball-sense drills: the grip and the stroke
- Forehand drills
- Backhand drills
- Combination drills: rotation
- Review and self-practice drills

### Session #2 April 14 6:30-8 p.m.

- Warm-up exercises
- Review of DAY 1
- The lob serve
- Return of Serve
- Rallying drills between pupils: game situation with concentration on lob serve and wall length drives — Round Robin until all pupils have had turn (pupils keep score themselves)
- Rotation of remaining pupils
- Serve - return of serve
- Review and self-practice drills

### Session #3 April 21 6:30-8 p.m.

- Warm-up exercises
- Review of DAY 1 and DAY 2
- The Boast — forehand and backhand
- Boast and drive drills
- Review and self-practice drills
- Round Robin Competition — 4 pupils playing, 4 scoring with score sheets. Remaining students will referee.

### You may attend any or all of the sessions.

One session	\$ 6
Two sessions	\$10
Three sessions	\$13

Please register at the recreation and athletic services office before April 1 1986.

## Consultative Committee Update

The meeting material, notes and briefs from the consultative committee meetings of the five schools — which are now underway — are available for perusal in the respective dean's office.

## 9th Annual BCIT Recreation and Athletic Services Awards Banquet and Dance

Saturday April 12 1986  
in  
TAPS Social Club

6 pm — Cocktails	8 pm — Awards
7 pm — Buffet Dinner	9 pm — Dancing

Tickets \$11 per person

Available at Recreation and Athletic Services Office

## The Staff Social Club Presents A PADDLE RAFT TRIP DOWN THE CHILLIWACK RIVER

Fun, Excitement, and a  
GOURMET RIVERSIDE LUNCH!

SATURDAY, MAY 24, 10 A.M. TO 3:30 P.M.



Six to eight people per raft

Skilled oarsman at helm

You will be bused back to your car  
after your trip downriver.

**ONLY \$44!!!**

Wear warm clothing and bring rain gear

MEET AT THE POINTA VISTA CAFE AT 10 A.M.

(Take the Sardis exit south off the freeway, driving till you come to the Chilliwack River. Do not cross the river but turn left and go five miles to Pointa Vista Road and cafe.)

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