

BCIT Events to Come

Tuesday, May 2

■ Advisory Committee reception will take place in the SAC gymnasium from 1730 to 1930.

Wednesday, May 3

■ President John Watson will hold an open session on BCIT's strategic plan in the BC Tel theatre (SE 6) from 1130 to 1230.

Saturday, May 6

■ Port Day and Pacific Marine Training Campus Open House will take place at PMTC from 1000 to 1600.

Thursday, May 11

■ A farewell dinner for Michael Harrison will be held from 1700 to 2100 in the Rix Club. Tickets are \$20 for this buffet dinner with no-host bar. Contact Jennifer Dueck at 8595 for tickets.

Friday, May 12

■ Term-end pot luck party hosted by Take Pride, a drop-in group for gays, lesbians, bisexuals and friends in the campus community. The event will begin at 1900, and all are welcome. Call Gordon (6922) or Mark (8964) for location and other details.

Wednesday, May 17

■ A farewell gala dinner for John Watson will be held at the Waterfront Centre Hotel, 900 Canada Place. Invitations are available from Carol Dion (8865).

Wednesday, May 24

■ All staff barbecue and farewell to John Watson, 1130-1330 at the Rix Club.

Friday, June 2

■ The 1995 BCIT Golf Tournament and social will be held at Mylora Executive Golf Course at 9911 Sidaway Rd. and 95550 No. 5 Road in Richmond. Watch Update for more information.

Technical training meets grad's needs

Graduate of BCIT's Cardiology program Laura Pastor says that BCIT gave her exactly what she was looking for. "After graduating from SFU with a Bachelor of Science degree, I knew that I wanted to find a program that would not only give me more practical training, but also complement my degree," explains Pastor. "I'm happy with the choice I made because I received the technical training that I wanted."

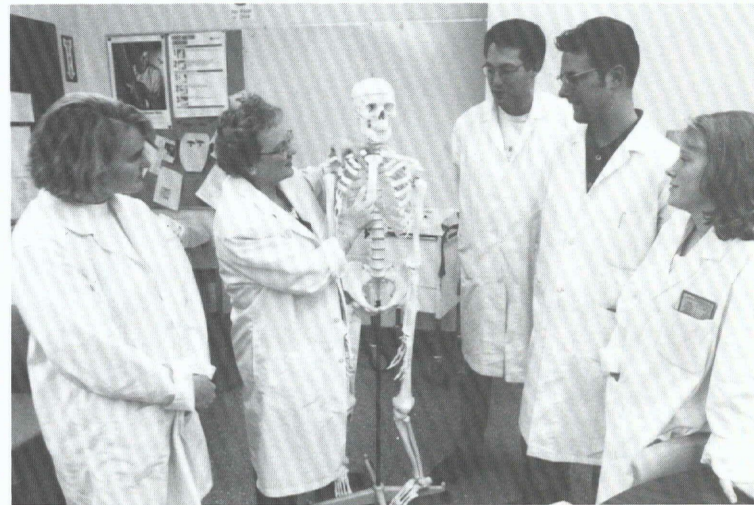


Laura Pastor, graduate of BCIT Cardiology program
Sommer Kennedy photo

One of the reasons why Pastor chose BCIT was its reputation. "I knew that BCIT had a good reputation with industry and also with its graduates," she says. "This and the fact that I had been referred to BCIT several times while I was checking out other programs helped me to make my decision to enter the program in September 1992."

According to Pastor the intensity of the work experience was one of the strengths of the program. "During the first year, the practicum was two days a week for the last five months," recalls Pastor. "During the second year, the practicum constituted a full five months of the program. This was the kind of technical training that I needed to enter into the industry."

The training that was provided inside the classroom was also a credible part of the program says Pastor, who received recognition for the highest GPA in Health Sciences in 1992 and a scholarship for her academic achievements from Medtronic of Canada Ltd. during that same year. "I appreciated the small class sizes and the fact that you were with the same people throughout the two year program. And the fact that you are able to use all the skills that you have learned after you leave



Cardiology students bone up on the day's lesson.

the classroom says something," she says.

"In the classroom teamwork was always stressed," says Pastor, recognizing that this attitude is critical on the job. "A large part of the job I have now is teamwork and communication with the other people working in the lab." Since graduation in May 1994, she has been working at the Vancouver Hospital as a cardiopulmonary technologist. Pastor maintains contact with BCIT through the workshops that she leads once or twice each year at the institute.

—from Sommer Kennedy



Cardiology is just one of many School of Health Sciences courses where students get hands-on training.

Funding available for overseas work or study

The Canadian Bureau for International Education has announced the 1995 competition for the Canadian International Development Agency (CIDA) awards.

Funding is available up to a maximum of \$15,000 to Canadians who wish to increase their expertise in international development.

The activity may either a fieldwork component of a post-graduate degree, or a work/study project of a mid-career professional.

The goal of the CIDA awards is to improve the professional, technical and cross-cultural skills for Canadians who wish to become more actively involved in international development. This is accomplished by providing funding for fieldwork projects that will be of benefit to both the individual and the host country chosen for the fieldwork. The program aims to promote better linkages and contacts with developing countries and to

encourage long-term partnerships and cooperations.

To be eligible, applicants need to hold Canadian citizenship, have demonstrated commitment to international development, and have an undergraduate degree or diploma or a professional accreditation.

Professional applications normally have seven years of work experience, at least two of which involved using the specific skills necessary to undertake the proposed program.

Selection takes place in August 1995. The completed application, including all required documentation, must be received no later than May 31 at the CRIE offices in Ottawa. Faxed or e-mailed documents will not be accepted.

For details and application forms, please visit the BCIT International office in J.W. Inglis Rm 201 or call 8816.

—from BCIT International

Roasted in the Desert

Farewell Gala Dinner for John Watson

Date: Wednesday, May 17

No-host Reception: 1830

Dinner: 1930

Place: Waterfront Ballroom Waterfront Centre Hotel, 900 Canada Place, Vancouver.

Tickets: \$100 each

Tax receipts for the maximum amount allowable under the Canadian tax regulations will be issued following the event.

Proceeds from this event will go toward the John Watson Student Leadership Fund in recognition of John's many years of support and service to post-secondary education in B.C.

The Fund will provide achievement awards recognizing academic excellence and community service to BCIT students.

Invitations are available from Carol Dion at 8865 or Mary Murray at 8410.

Health Part-time Studies moves to Burnaby

Since the lease on the Kaslo campus facilities will expire this year, Health Part-time Studies will relocate to the Burnaby campus.

Faculty members have been assigned office space adjacent to the day school program's facilities.

Advanced Nursing will have new facilities on the third floor of the SE 12 building.

Staff and the director will be moving to various locations

within the School of Health Sciences based on the position assignments. Plans are in place to renovate the space adjacent to Central Stores to centralize the distance delivery component.

Classroom requirement will be accommodated with the construction of several industry service classrooms in the area now occupied by the BCIT Book Store. All managers in the School of Health Sciences are located in the office of the dean on the third floor of SW 3.

Miner funds diamonds in the rough



Ian Howard, one of the foundation trustees, chats with Mining students.

Foundation trustees pose with first- and second-year Mining students. Seated at the centre of front row, trustees are (from left to right) Ian Howard, Horace Harrison and David Dyke.



Bert Schendel photos



David Dyke chats with David Gould, winner of the Cy & Emerald Keyes Charitable Foundation entrance award in October 1993.



Ian Howard shares some mining tales with eager students.

From left: Ian Howard, Horace Harrison and David Dyke accept gifts from Marketing and Development executive director Neil Howard.

The late Cyril (Cy) Clyde Keyes' love of mining resulted in the Cy & Emerald Keyes Charitable Foundation. Half the funds provide mining students with bursaries to help them with their studies, and half go to help children with health problems.

Since 1984, the foundation has provided \$336,250 in bursary and field school assistance to students in BCIT's Mining and Metallurgy programs. In October 1993, the terms were expanded to also permit a portion of the funds to be made available for an entrance award to a student entering BCIT's Mining program.

Every two years, a reception is held to recognize the charitable foundation for its continued support. This year, it was held on Wednesday, April 19, in BCIT's Mining lab. Mining students had the opportunity to meet the foundation trustees and chat

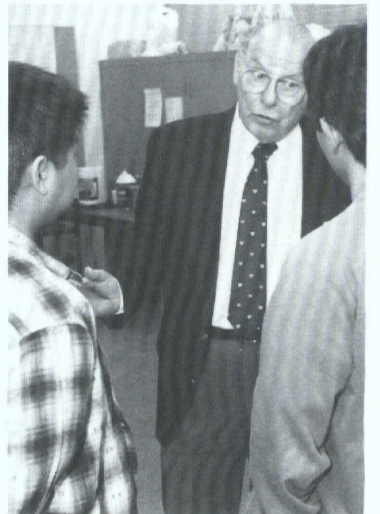
about Keyes' life as well as their own career goals.

One of those trustees was Keyes' nephew Horace Harrison, who told colourful and entertaining stories about his uncle's life and lifelong love of mining.

Keyes was an entrepreneur and diamond miner. He drilled the Afton Mine just outside of Kamloops—still one of the biggest mines in B.C.

Born during World War I, Keyes lived in a New Westminster orphanage. Since orphans were considered adults at the age of 12, he got his start in mining very early. His first job was at the Britannia Mines, managed by former BCIT president, Cec Roper, who maintained that Keyes was the youngest employee the mine had ever had.

—from Susan Walters



These worms really get around

The BCIT Student Association started a compost demonstration project on January 17 as part of their research on composting for the Environmental Awareness Committee.

Maquinna residents were the first group on campus to explore this opportunity to compost food waste under space restrictions. After a pilot of approximately three weeks, the demonstration bin was moved to the Student Association's Support Programs/ Environmental Education Office.

The third site on the worm tour was Print Services, where a second bin was added to accommodate all the food waste coming from this five-person department.

We are proud to announce that we have one of the most successful worm bins around thanks to the efforts of Johane Imoo in Print Services, who says she would like to keep the bins for their department.

Imoo, and her colleague Linda Bennet currently compost at home, and director of Print

Services Bob McKenzie has considered adding a composter to his townhouse patio. So, everyone in the department was active and enthusiastic about having the in-office composting, and it's now a part of everyday life in the Print Services department.

In terms of the time commitment, all department members assist in the collection of organic waste from their lunches, and the worms are fed and the bins stirred weekly. Fruit flies can appear, but this can be remedied by ensuring that the worms have a balance of vegetables as well as fruit, and through the placement of a small wine bottle with just a bit of wine in it inside the worm bin. No, there is no smell to the vermi-composter.

In three months, we expect to reap a great harvest of compost. We had a tremendous amount of baby worms hatch, therefore we need to delay the harvesting of the compost until the worms mature. Our compost advisor from Sun Ray Composting told



Who would have thought that dirt and lowly worms would inspire such smiles? From left: Lynda Bennett, Sheila Thompson, Trish Labuda from Sun Ray Composting, Johane Imoo, and Monique Schweitzer. Bert Schendel photo

us that she had never seen such a prolific bin and that we are certainly doing something right. The compost itself will be used to re-pot the plants in the Print Services office.

Now we are looking for another department that will offer to collect organic waste, and care for our new worm bins so that we can continue our compost demonstration project.

Composting helps us to reduce our waste, re-use our organics,

and recycle the harvest into an earth-nourishing product.

Special thanks to Tom Moore, Helen Moore, Marilyn McNeill, Kelly Boreson (student researcher) and students of Housing for assisting with the initial pilot, and, of course to Johane Imoo, Lynda Bennett, Bob McKenzie, Bill Murray, Sheila Thompson, and Janice Beckett for leading the way to in-office vermi-composting.

—from Anna-Lisa Jones and Monique Schweitzer

The BCIT UPDATE is published weekly throughout the school year by the Information and Community Relations Department within Marketing and Development. Ideas, tips, fax or written submissions should be forwarded to the editor by 1500 Fridays, ten working days prior to publication. The editor reserves the right to edit for brevity, libel and accuracy.

UPDATE is produced on Aldus Pagemaker Desktop Publishing software and printed on recycled paper.

Managing Editor:
Carol Dion, 432-8865

Editor:
Ruth Raymond, 451-6900

Contributors: Stephen Barrington, Christina Bews, George Eisler, Kelly Gervais, Anna-Lisa Jones, Sommer Kennedy, Pat Maertz, Susan Ney, Sheila Rees, Crystal Sawyer, Debbie Saxby, Monique Schweitzer, Susan Walters

Design and Desktop:
Crystal Sawyer, Ronaye Ireland

Distribution:
Mary Murray, 432-8410
Fax: 436-5762



Please recycle your BCIT Updates in the White Paper recycling bin.

SPECIAL HEALTH SCIENCES EDITION

Message from the dean

The 1995/96 academic year will be characterized by a repositioning of BCIT's School of Health Sciences, locally and internationally. As a leading specialty-nursing and allied health training institution, we have identified the need for important investigations relating to the challenges and opportunities presented by technological innovations in education and health care.

Changing technology and patient demographics, as well as the worldwide restructuring of health care systems has dramatically altered the employment market for individuals in allied health occupations. BCIT is embarking on a major review of the future role of our graduates in this field.

Guided by a government appointed advisory committee, involving many stakeholders, and coordinated by associate dean Verna Magee Shepherd, this review will cover Europe, Mexico, USA, Japan, Australia, and probably Malaysia.

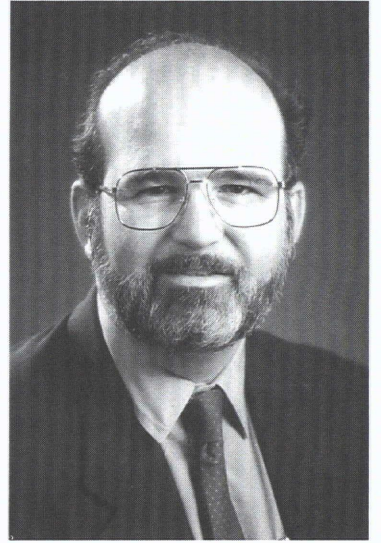
The core areas to be investigated are medical imaging, medical

laboratory, electrophysiology, and cardio-respiratory technologies.

Joint academic and research initiatives are ways of addressing challenges in the health care sector. Currently, discussions are ongoing in such areas as ergonomics, health technology management, health care administration and management, and environmental health.

These discussions span diploma to Ph.D. level education and training, involve also UBC, SFU and Open Learning Agency, and are designed to avoid duplication and to optimize resources. The two highlights are an international school for health technology management encouraged by the World Health Organization and an innovative *Living Laboratory* possibly to be housed in the new Downtown Education Centre.

Some of the changes that have already occurred at BCIT are the degree initiatives. Degrees in the areas of nursing, medical imaging and environmental health should be officially



School of Health Sciences dean George Eisler

available to students by September 1996. One of the nursing options will be available by September 1995.

This special edition of Update contains articles on many more projects representing examples of cooperation and teamwork between the School of Health Sciences, the Technology Centre, BCIT International and the health care industry.

—from George Eisler

Today's training for tomorrow's needs

Anticipating future trends in the Environmental Health industry is the key to providing valuable training for students, according to Andy Hazlewood, chair of the industry advisory committee for BCIT's Environmental Health program. "While making sure that the training being provided now is relevant to current industry needs is necessary, I think it's also important to foresee what will happen some years down the road," says Hazlewood. "We want to make sure that the number of grads in the program coincides with future positions in the industry."

As Director of the Health Protection and Safety Division of the B.C. Health Ministry, Hazlewood recognizes the rapidly changing needs of today's prospective employers. "There is a whole shift away from treatment and towards greater communication of prevention," says Hazlewood.

"Today the emphasis is on risk assessment and risk management," he says. "Our field staff are being asked more and more to assess and communicate on chemical risks to the community that are associated with air quality, for example." Ten years ago this wasn't the case; the training students receive now has to reflect these changes.

"Making sure the right changes are made at the right time is crucial," notes Hazlewood.

"Sudden changes in a program's

curriculum could create problems for instructors and students." To avoid this and provide for a gradual transition to accommodate future needs, the committee regularly participates in curriculum reviews and also holds an annual meeting to provide advice and guidance to the institute. "BCIT has been excellent in accommodating the needs of the employers in the industry," he adds.

"It's also important that students have the opportunity to voice any concerns about their future," says Hazlewood. "We involve students in the process by inviting a first and a second year representative of the program to the annual advisory committee meetings."

As a 1972 graduate of BCIT's Environmental Health program himself, Hazlewood credits his commitment to the committee to his vision in providing for a smoother transition for students entering into the industry upon graduation. "However," he stresses, "the advisory committee is not just beneficial for students. It's definitely in the interest of potential employers to provide input for the training of their future employees."

The advisory committee for Environmental Health is made up of voluntary members from the industry who share a keen interest in the committee's agenda and a working knowledge in the field.

—from Sommer Kennedy



Stephanie Wilson receives her RNABC Award of Excellence for Nursing Administration from RNABC Board member Bonnie Lantz.

Andrew Klaver photo

Nursing Association honours BCIT nurse

Stephanie Wilson, RN, received the Registered Nurses Association of B.C. (RNABC) Award of Excellence in Nursing Education on Thursday, April 6 at a special ceremony in Vancouver.

Wilson initiated the Occupational Health Nursing program at BCIT and is currently its program head.

This distance education program, the first of its kind in B.C., provides a diverse curriculum of theory, lab and clinical practice for its students. In addition to her work in curriculum development, Wilson has also developed all of the educational materials in the program including course outlines,

self-guiding instructional course materials, examinations, assignments and some audio-visual aids.

Says RNABC executive director Pat Cutshall: "This award is presented for outstanding performance in lectures, demonstrations or instruction; in consultation, including tutoring, advising and thesis supervision; in course design and development; in innovative teaching methods; in educational planning and policy making; and in the production of educational materials. The nurse must also demonstrate outstanding performance in relation to the six RNABC Standards for Nursing Practice."



Environmental health student tests cafeteria food.



John Watson and Workers' Compensation guests tour the Environmental Health and Safety Lab.



BCIT offers students a full range of up-to-date equipment to ensure that their training meets the needs of today's workplace.

Technology Centre networks for BCIT

BCIT's Technology Centre provides a forum for students to learn while they create. Its mandate is twofold: to educate and train students and to conduct applied research for the benefit of the B.C. economy. In combining the two, the centre is able to produce innovative and marketable medical technologies and build valuable links to B.C.'s business community and other institutions.

Dr. David Johnson, Director of Health Applied Research and Development, says there are usually six to 10 projects in progress at one time. He feels the best kind of project involves BCIT from conception to production. "It's one-stop-

shopping for the customer. A company can come to us for assistance in having a product developed and marketed."

Four years ago, Nantai Electronics approached BCIT with a plan to develop a special blood-pressure device worn as a wrist watch. The Centre's research revealed that the product was viable and it subsequently won a contract to develop a prototype. With the help of the School of Health Sciences, a model was produced on which clinical trials were conducted by BCIT's Nursing faculty. Johnson proudly reports, "With the help of many people at BCIT, the product has met regulatory requirements and



Blood-pressure device, developed by the Technology Centre, is worn as a wrist watch.

should be ready for distribution in six months."

BCIT is also coordinating with the Medical Device Development Centre on a project for a private company, set for completion in four years. The idea is to develop a more

effective method of administering vital fluids in emergency situations. "It represents an opportunity for BCIT to work with other universities, hospitals and the B.C. government. This kind of networking is extremely important," emphasizes Johnson.

Apart from these commercial projects, the centre also tries to present other opportunities for students in Health Sciences to get involved in actual research. Biomedical engineering students are currently involved in several industry projects. "Instead of assigning the same exercise year after year, we're now giving the students real projects to work

on. Even the instructors in this program get some hands-on research time through a one-day-a-week exchange with people in the Technology Centre."

The Centre also participates in the Skills Partnership Program, which runs on a grant from the B.C. Science Council. "It's an effort to create more links between students and industry by providing industry-sponsored projects for students to do in their programs," Johnson says. "It creates a bridge between schools, hospitals and industry, gets more students involved and represents a great networking opportunity."

—from Christina Bews



All the hard work pays off as Nursing students attend their graduation ceremony

Student demonstrates that input works

Initiative shows itself in different ways at BCIT. Tracy Hewat (Nursing '94), is one committed graduate who has shown remarkable initiative finding new ways to improve her program.

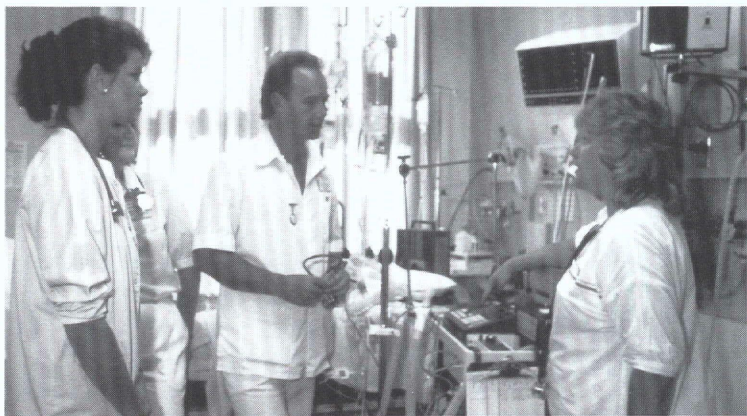
Last May, Hewat was chosen to be this year's student representative on the Nursing Advisory Board. Her work on several committees and projects throughout her school career made her an obvious choice to board members.

"I had a bigger view of nursing than most people," she explains.

Last spring, for example, Hewat conducted an independent research project with associate dean Bernadet Ratsoy on problems in the curriculum and improving relations between instructors and students.

"The feedback was good," Hewat reports, and the program is still working towards improving in these areas.

Hewat feels her role on the board is to identify troubles students experience in the workplace and how to avoid them through changes to the program.



Clinical partners and advisory committees help keep students current with the latest skills needed in the workplace.

"You can teach all you want but if they are struggling in the workplace, there's a problem."

Hewat knows that the student perspective is indispensable when pinpointing what works and what doesn't in the program.

"I have taken courses at other schools where the instructors stick strictly to an old regime. In these situations the curriculum is not being kept in tune with the workplace."

An example of how BCIT is benefiting from first-hand perspectives like Tracy's is

changes made to enrolment policies. Currently, graduating nurses are having difficulty finding full-time employment.

Hewat herself holds four separate part-time nursing jobs. "This is typical of most grads," she explains. "The market is flooded and it's harder to get into the hospital system."

In response to this, the program is experimenting with reducing its enrolment until the job market improves. "The board is now focussing on making a smaller group more successful."

"The great thing about the advisory board is that they are

continued on page 5



SPECIAL HEALTH SCIENCES EDITION

Child health conference calls for mobilization, vision

An international facility should be set up to help health care administrators around the world to better manage technology, BCIT health dean George Eisler will suggest to an international conference on child health next month.

And it would be an important next step in a worldwide system to manage health care technology where it has the most potential—helping mothers and children in developing countries.

“The problem lies at many different levels,” says Eisler, chairman of an action plan committee on appropriate technology for the Child Health 2000 world congress in Vancouver May 30 to June 3.

“One has to tackle the problems in a coordinated fashion, sort of with a techno-political solution that will target both the technicians and the policy-makers. Hopefully this will be the starting point.”

Involving senior World Health Organization and UNICEF officials as well as top doctors and scientists, the conference of child health professionals will look at how to further improve child health around the world.

Bringing together experts in medical technology and its management, Eisler's committee knows the conference's aim is an ambitious one.

Sometimes that aim starts at home, where generosity toward the developing world may go awry.

Donations of much-needed equipment are well-meaning—and certainly important—but may lack vital spare parts or come with original language instruction manuals useless to local users.

“When one incubator breaks, they take the needed part from another unit,” he says. “Soon there are no more working incubators; it happens too frequently.”

Education is the key, whether for the person repairing the equipment or for the government health official who's overseeing its use.

But like many of the conference's expected suggestions, it will require considerable collaboration, drawing on the expertise of a host of specialty institutions such as BCIT, Simon Fraser University, the University of B.C. and others around the world.

“There's a lot of interest from international health agencies.”



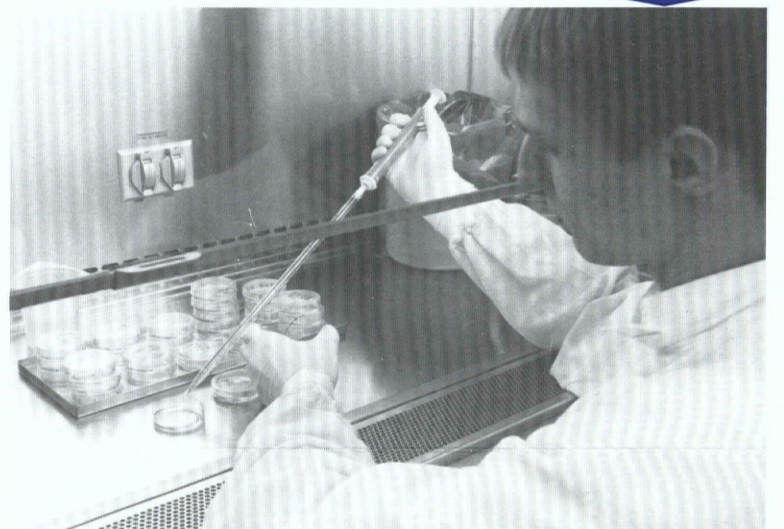
Medical sonography student gets a helping hand

Conference planners call the congress a time for mobilization, boldness and vision to chart the course of child health into the next century. Once Eisler's committee makes its presentation on June 3, the next step is for a working group to take the concept further.

“There's a lot of interest from international health agencies in making this happen,” says Eisler. “I'm confident it will happen.”

—from Stephen Barrington

Cytogenetics involves the detailed examination of chromosomes, and is useful in prenatal and postnatal diagnosis.



New international partnership comes out of teamwork

A newly established partnership agreement between BCIT and Malaysia's largest technical institute, Institut Teknologi MARA (ITM) will culminate in Malaysia's first Health Sciences School for nursing and health technology in a post-secondary institution.

The three- to five-year project is credited to excellent teamwork between BCIT International and the school of Health Sciences at BCIT, and will open the doors to a variety of international opportunities such as exchange programs.

While ITM currently offers programs on 10 campuses to 30,000 full-time and 6,000 part-time and long distance students, the new school will be offered centrally on government assigned land in Negri Semblian. ITM expects enrolment in the programs to reach 6,000.

In addition to transferring the eight existing entry-level programs to ITM, the school plans to develop four additional programs, namely Biomedical Engineering, Health Care Management, Occupational

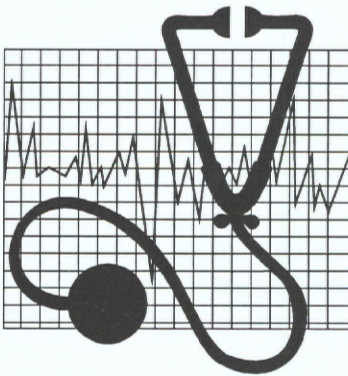
Health and Safety, and Prosthetics and Orthotics, which are currently offered by BCIT.

The ITM Council has selected the Otago Polytechnic of New Zealand as a foreign partner for Occupational Therapy, Physiotherapy and Pharmacy Assistant. BCIT was selected for all other programs.

The new school also wishes to develop an Emergency Medical Assistant program which is offered in B.C. by the Justice Institute, who will provide the consultants for this program. Eventually, ITM intends to expand into advanced studies in Nursing and Medical Imaging.

BCIT's well developed working relationship with industry was among several strengths noted by ITM's director. The project sets the stage for several international opportunities between the two schools, including ITM faculty visits to BCIT and periodic consultation by BCIT faculty on site at ITM, followed by consultation by e-mail.

ITM will purchase BCIT curriculum materials, providing they are appropriate for use in



Malaysia, and BCIT will provide expert advice on quality control methods such as accreditation and program review.

The new school will offer high quality health programs for selected health occupations, and will gain recognition as a health science training centre in South East Asia.

On the homefront, BCIT faculty and staff will develop additional knowledge and skills, and will increase their ability to work trans-culturally. The institute will gain recognition as a world-class provider of health science education, and will be in an enhanced position to compete for similar projects in other industrializing countries.

—from Crystal Sawyer

Student demonstrates that input works (cont. from page 4)

quite honestly working towards upgrading—they don't just collect information and then do nothing about it.”

Tracy's term on the board ends this spring and she is happy to pass on the torch to a new grad from the class of '95.

“The point of having a student participant is to put forth new insights from each new set of students.”

Tracy's work is not finished, however, as she is moving on to new committees where she will co-ordinate with instructors on developing the program's curriculum.

“These committees are a great idea,” she adds. “The industry changes so quickly that the program needs to be evaluated on an ongoing basis.”

—from Christina Bews

Making transitions easier

BCIT's Business Training Centre (BTC) is working with the B.C. Healthcare Labour Adjustment Agency (BCHCLAA) in providing valuable skills upgrading and career transitions training.

In July 1994, the BTC ran a three-week full-time skills upgrading training for medical office assistants who had been displaced from Shaughnessy Hospital. Participants were trained in typing, computer literacy, medical terminology and medical transcription. Within weeks of completing the program, four of the 14 participants were placed in permanent positions.

In March 1995, the BTC partnered with the counselling

department to coordinate and deliver a 21-hour program to 23 BCHCLAA clients in career transitions for health professionals. These medical laboratory technologists were displaced from Shaughnessy Hospital when the hospital closed.

The program focussed on career development and change, career planning, career possibilities, identifying transferrable skills, and training/educational opportunities. The program was rated very highly by participants, and the BTC is now working with the BCHCLAA to deliver two more programs in May and June.

—from Debbie Saxby

School of Health Sciences receives international recognition

International representation creates more than just prestige for the School of Health Sciences. "It maintains contacts between the government, healthcare agencies, industries and BCIT," says Dr. John Emes, an instructor with the School of Health Sciences for the past 17 years.

Emes has been a key member of International Committees looking at viscoelastic compounds in ocular surgery since January 1994. Together with Dr. David Johnson and Susan Knoll RN, BSN, Emes was contracted by the Medical Devices Bureau of Health Canada to develop regulatory standards for the manufacture and sale of ophthalmic viscoelastics. "Put simply, what we were required to provide was a document on the safe and effective use of viscoelastic compounds, which are the

medical devices used during eye surgery," explains Emes.

The School of Health Sciences received heightened recognition in April 1994 when the document which Emes, Johnson and Knoll presented was adopted by the American National Standards Institute (ANSI). "It is certainly satisfying to have a Canadian input," says Emes. "And it's interesting to work with the 'big players' of science and industry".

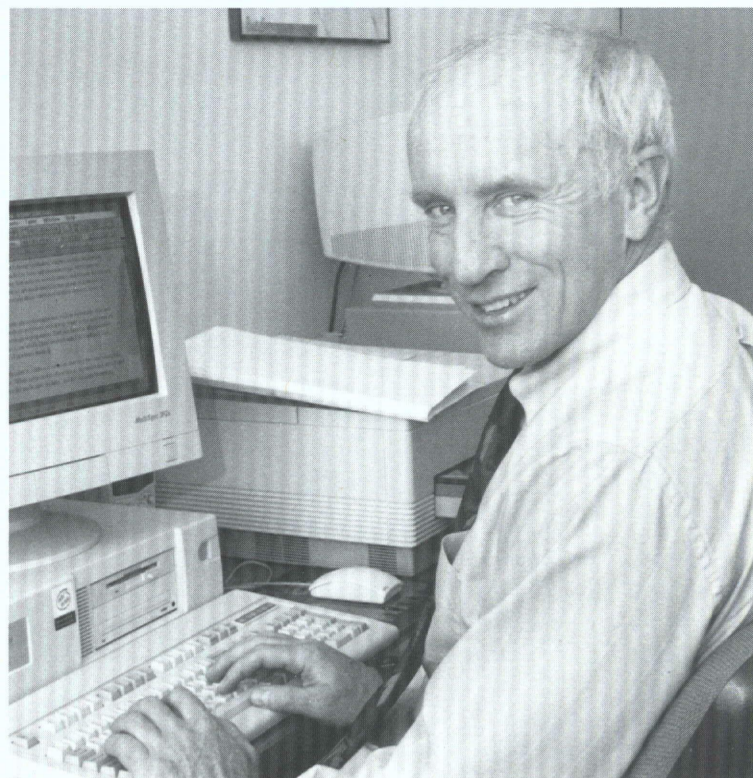
Since, Emes has been appointed chair of the ANSI subcommittee that is working towards defining the physical and chemical characteristics of ophthalmic viscoelastics. "Ophthalmic viscoelastics don't fit into their current classification," he says. "Due to the delicate nature of the eye, we're working on providing a more appropriate classification." Funding for his

involvement with ANSI has been provided by the School of Health Sciences.

To Emes, entering the international arena has been an opportunity to combine the knowledge and experience of his career with his long-time interest in ophthalmic viscoelastics. "It's ironic," he says. "Studying the physical properties of viscoelastics is also what I worked on during my graduate studies."

While Emes notes that it's difficult to coordinate his involvement on the committees with regular teaching responsibilities, he maintains that he isn't willing to give up either. "As long as the funding is provided I can enjoy both working on the committees and working with the students."

At a recent ANSI meeting in San Diego, Emes was invited to



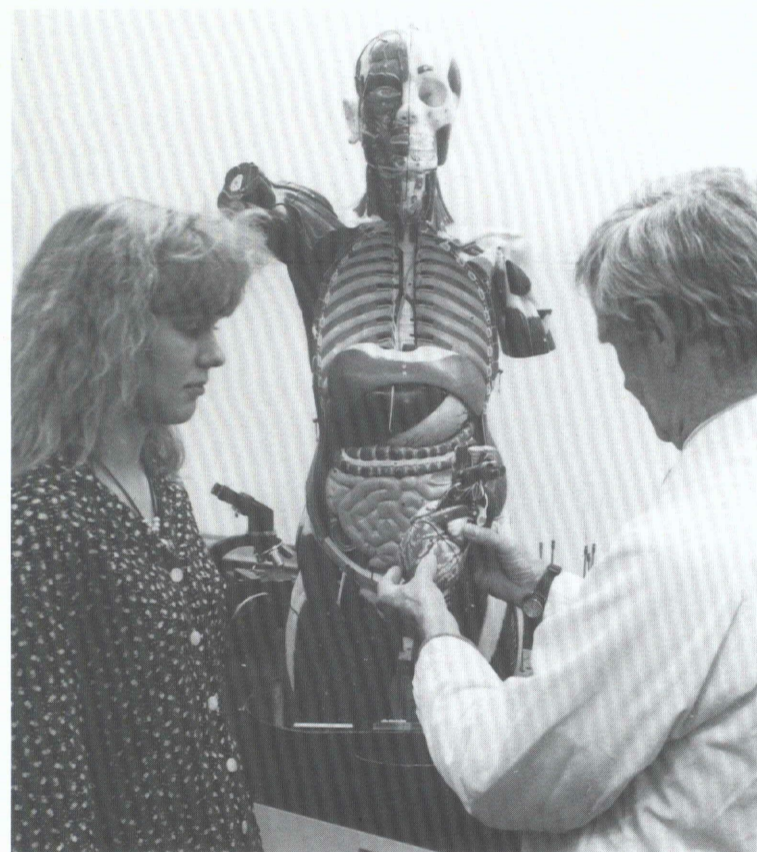
Dr. John Emes, School of Health Sciences

Bert Schendel photo

participate in the coordination of development of international standards for viscoelastic compounds with the International Standards Organization (ISO). This project is expected to take place in June

1995 in Tuscon, Arizona. Emes will be the Canadian representative amongst representatives from the EU, USA and Japan.

—from Sommer Kennedy



Studying human anatomy and physiology is just one area students in the School of Health Sciences concentrate their efforts.

Advanced studies in environmental health

Many health professionals and their employers experience a need for continuing and broadening education in areas of softer employability skills as well as harder specialty skills. There is also the sense that continuing education has always been a big part of life for health professionals, but that the time and effort should be better packaged relative to academic credentializing.

An interesting example of flexible and innovative pathways has recently been developed cooperatively by the employers, educators, and the certifying agency for public health inspectors and environmental health officers.

In order to become a certified practitioner, several academic pathways will be recognized:

- Science degree plus BCIT diploma plus BCIT advanced studies course
- BCIT diploma plus SFU Biology degree plus BCIT advanced studies course
- BCIT diploma plus BCIT degree completion program

This flexibility will meet the needs of practitioners and of those planning to enter this profession in the future. It will provide employers with people of varying backgrounds, as well as the necessary core skills.

—from George Eisler

Health care through a crystal ball

It's one of the biggest challenges any learning institute can face. How should BCIT educate its students so that they are employable not only today, but also for years down the road? Bernadet Ratsoy, Associate Dean, Nursing and Health Engineering has a particularly difficult job predicting the future of health care. Currently, she sits on the Nursing Human Resources and Educational Planning Committee, which is trying to determine the present state of the health care system and what skills will eventually be needed.

The committee combines the resources of the Ministry of Health and the Ministry of Skills Training and Labour and enlists people like Ratsoy to confront issues head-on. "The problem the committee is tackling has a long history," says Ratsoy. "The needs of the population have to be defined and the health care system must be prepared to meet these needs. It is making an earnest attempt to try to get hold of the problem because it has been around for so long."

Representatives from different nursing specialties and other parts of the industry are taking a three-step approach. "First, we are trying to define the current state of resources and second, we'll try to reduce the turmoil that has resulted from the way health care has changed in the past," says Ratsoy.

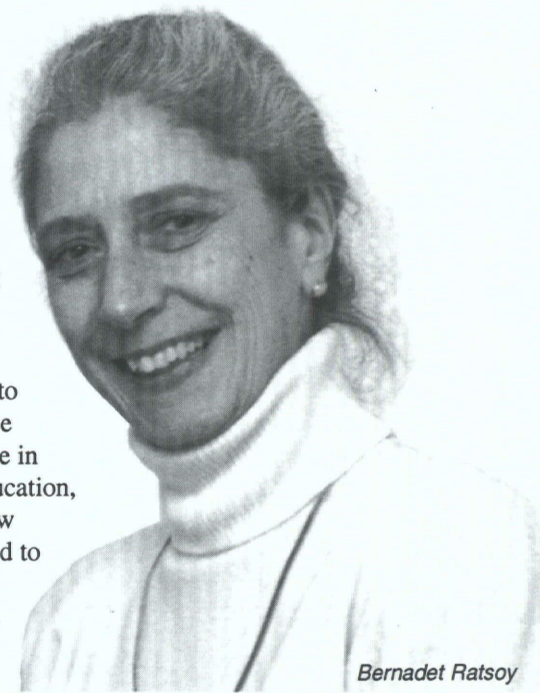
The third and most difficult task is to predict the future. The

committee hopes to foresee substantial upsets, such as the closure of Shaughnessy Hospital, and prepare for them. The challenge, says Ratsoy, "is trying to prepare for something we don't really know about."

As Ratsoy was asked to serve on the committee because of BCIT's role in post-basic nursing education, she is interested in how schools should respond to this volatile situation. "New programs come along because we have determined from environmental scanning that this is a need area." The existence of the committee means that as BCIT tries to identify these needs, it will have input from the ministry of Health and from a research unit at UBC.

"The challenge is trying to prepare for something we don't really know about."

BCIT will need this input as it deals with trends such as multiskilling. Ratsoy describes how in trying to make departments more efficient,



Bernadet Ratsoy

quality may be lost. "If people become generalists, who will know what to do in the complex situations?" Similarly, the new policy of rationalization of services means that the workforce is spread out. And finally, regionalization means that every community will have different goals and expectations from each other.

Ratsoy feels that because of BCIT's flexibility, the school is in a position to meet these kinds of specific needs and hopes to be even more proactive about doing so. "Courses such as BCIT's may be the only assurance for hospitals that standards are being maintained," she concludes.

—from Christina Bews

We could have talked all night . . .



Grace McCarthy poses with the current Venture program class, which will graduate soon.



Venture program advisory committee chair Lorne Fingerson (right) with Venture grad and chairman of the Venture program alumni Louis Charland, who organized the event.

Venture program instructor John Pavlovich and Tony Parsons sample Venturpreneur Andrew Moffat's product: Elwood's Old Fashion Ice Cream.



Venture program attracts high profile speakers

This month, entrepreneurs in the spring session of the Venture program were treated to the wisdom and advice of Grace McCarthy. In the intimacy of the program's seminar room McCarthy told participants about "The Good, the Bad, and the Ugly" of being your own boss. Touching on everything from personal sacrifice and impossible time investment to the benefits of freedom, self satisfaction, and challenge, she was able to paint a clear and practical picture of the challenges the Venturepreneurs will be facing when they launch their businesses next month.

On April 6, Tony Parsons, vice president and anchor for BCTV News, spoke to a group of Venture program alumni on how to meet and beat the competition. The event was organized by the alumni and took place in the BC Tel theatre.

Parsons shared some of his life's challenges citing his first one at BCTV 16 years ago--to push Walter Cronkite out of the ratings--as one of the biggest he's encountered. Parsons also discussed the importance of attracting quality people: something he obviously does well, as he has hired a great number of BCIT grads.

As one of the most successful news broadcasters in North America, Parsons had much to share with the audience of small business people. As he fielded question after question, organizers eventually broke up the session 30 minutes after its scheduled end.

Guest speaker for the Venture program graduation on May 4 will be Michael Volker, successful entrepreneur and chair of the Technology Centre advisory committee.

—from Kelly Gervais



Broadcaster Tony Parsons chats with Venture program alumnus Louis Charland.

Exploring Internet for course delivery

To support life-long learning, the educational system is looking to become more sophisticated in the provision of flexible delivery of learning opportunities.

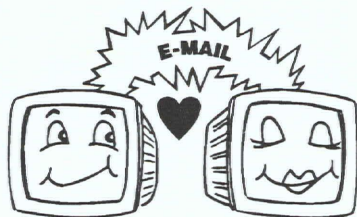
Exploring the Internet as a platform for credit-worthy learning experience is now a significant initiative of BCIT, led by the School of Health Sciences.

The project will build on related knowledge and experiences in B.C. and in North America, and is intended to create guidelines

to facilitate on-line course offerings in the future.

Key deliverables will be templates for:

- technical infrastructure needs
- instructional design
- educational administration
- faculty development
- evaluation of the educational technology



management of on-line course development. It is hoped that the development of several on-line courses will serve as pilot

projects within the larger initiatives. Anyone with interest in this topic is welcome to contact the dean's office.

—from George Eisler

Harassment and Discrimination policy review

The review of the Harassment & Discrimination policy is now underway.

The members of the review group are: Tomi Eeckhout, Director, Labour Relations, Joyce Glover, BCGEU Support Staff, Elinor Hudon, BCIT Staff Society, Val Karpinsky, Registrar, Tom Kozar, BCGEU Instructor, Chris Lee, Student Association President, Pat Maertz, Secretary to the Board, Michele Medlicott, Services and Educational Support, Gary Norgard, BCGEU Instructor, Jennifer Orum, BCIT Staff Society, Elaine Razzari, Student, Randy Vandermark, Associate, Marketing Management Technology, Rick Schaeffer, BCGEU Support Staff.

This policy has been in place for approximately 18 months. The purpose of the review is to ensure that the policy and procedures are effective in ensuring that all members of the BCIT community are treated fairly, with dignity, in a working

and learning environment that is free from harassment and discrimination. A further purpose of the policy is to provide effective procedures for resolving complaints of harassment and discrimination.

The members of the Review Group would welcome the views of members of the BCIT community on the effectiveness of the present policy and procedure and suggestions on how it can be improved. Comments or suggestions should be made through your bargaining unit student or management staff representative on the Review Group.

Recommendations for changes to the policy and procedure that result from the review will be forwarded to the Harassment and Discrimination policy steering committee for consideration for amendment of the policy and procedure.

—from Pat Maertz



PAWWS

(Personal and Workplace Wellness and Safety)

Keep your office safe

- Your office or work area should have a door with a lock.
- Consider a peep hole in your door if you do not have glass. If you do have glass, it should be shatter-proof and securely framed.
- There should be a telephone in your office, together with emergency numbers available.
- For employees working late who do not have the above, you may want to consider a cordless phone for after hours work and/or an office that they can go to in case of an emergency to lock themselves in and call for assistance.
- You should be familiar with the location of in-house service phones in your building.
- Discourage undesirables from targeting your area by keeping purses, wallets, petty cash and other valuables locked out of sight at all times.
- When you leave your office, for whatever reason, for whatever length of time, you should lock it.
- When working after hours, have a check system with others working in different areas or arrange to work closer where possible. Advise Security you are working late.
- Washrooms used after hours should have a lock on the door. Keys should be issued to staff. The washroom should be checked at the end of the regular day and then locked. Advise Security you are working late.
- Consider a check system with someone off campus. Call them on the hour. If you don't, they should call you. Tell them where you parked your car. Tell them who to contact if they are not able to reach you.

—from Safety & Security

Staff News

Panel to hit airwaves

CKNW's Bill Good Show will be broadcast live from the Burnaby campus Town Square D on Thursday, May 4 from noon to 1400. A panel of BCIT deans and the Student Association president will discuss educational issues and field questions from callers. Plan to be part of the audience for this always-provocative radio talk show.

Congratulations

On Friday, April 7, Ann Lacey, of BCIT International, received a Bachelor of Administrative Studies from the Open Learning Agency, in association with BCIT.

Appointments

After an intense competitive selection process, the following individuals have been appointed to the Registrar's office:

Karen Cresswell has been appointed as the new associate registrar, Admissions, and brings many years of experience in the BCIT registrar's office and Student Services.



Parents Shirley and Al Newton admire Ann Lacey's brand new diploma. Photo courtesy of Open Learning Agency

Cynthia Howman has been appointed as the new associate registrar, systems. She brings experience from Ontario colleges and universities as well as recent experiences from VCC/Langara.

It's a boy!

Congratulations to Maggie Ross, Harassment & Discrimination advisor, who welcomed her

second son into the world on April 9. Baby weighed in at 7 lbs, 11 oz. While mother and son are getting to know each other, Michele Medicott will increase her time in the Harassment & Discrimination office. You can reach her Monday through Thursday.

Calling all captains!

The BCIT Positive Displacement club will hold its fourth annual Pirate's Cove cruise on the long weekend, May 20, 21 and 22.

Boats will meet at Pirate's Cove Marine Park at the southwest corner of D'Courcy Island. (Watch out for the reef; go between the buoys!) Watch for the BCIT flag flying from a masthead.

People will meet at Kurt's Island (the island with the arrow and

cross marks leading to the buoys) for the party, which will go non-stop from Saturday to Monday. Bring your own everything. It's always a great party, with lots of friendly boater types, both power and sail.

There is camping available at the park, for those without cruising



boats. Harbour Air will fly passengers in for \$50 each way, if you require a quick, painless, seasick-free way of arriving.

For more information, contact Admiral Mikey (Mike Thomas at 8543 or Cap'n Paddy (Pat Mulldoon) at 6741.

Survey says...

Statistics Canada is working with the B.C. Ministry of Skills, Training, and Labour and 19 colleges and institutes in B.C. to conduct the B.C. Survey of Former College and Institute Students (BCFS).

The survey's goals are:

- to produce statistical information on what has happened to the former students of B.C. colleges and institutes;
- to get the students' opinions about the programs provided by the institutions; and
- to find out to what extent the students' educational and training experiences prepared them to work or to further their studies.

This telephone survey will take place from April 20 to June 10. Statistics Canada would like to thank all participants for taking the time to answer the questions.

—from Statistics Canada

Treat Mom to hanging baskets

With Mother's Day just two weeks away, the horticultural centre offers the perfect solution with beautiful hanging baskets.

The last day to order the baskets is Friday, May 5, and pickup is Friday, May 12 at the Horticulture building, NE3, from 1130 to 1330.

Choose from a 10-inch Cedar or 12-inch plastic basket filled with geranium, bracheycomb, ice plant, petunia, lobelia, and much more.

Order from Kelly Beatty (8643). Proceeds go to scholarships and bursaries for BCIT students.

If you love the magic of Disney, join the club

As an employee of BCIT, membership in Walt Disney's Magic Kingdom Club is now available to you free and brings you the best of Disney.

Included are exclusive benefits, special discounts and vacation packages at Disneyland Resort in California and Walt Disney World Resort in Florida.

Even if a trip to Disneyland is not in your plans, you can still enjoy a discount at the local Disney Stores with your membership!

Just a few of the fantastic benefits include: reduced prices or special offers on select Disney admission media; savings of 10-30 percent on select Disney resort hotel accommodations;

discounts at Pleasure Island, Typhoon Lagoon, River Country and Discovery Island at Walt Disney World Resort; 10 percent discount at The Disney Stores; and special savings with Delta Air Lines, National InterRent and Entertainment Publications.

Your Magic Kingdom Club Membership Application Card* and an information package is available by contacting Pat Balluff in Human Resources at 8894 or pballuff on PROFS.

*Please note that the bottom of the Application for Membership Card must be completed and returned to Pat to validate membership.

—from Susan Ney



Eric Waterfield

Bert Schendel photo

STAFF PROFILE

Welding Instructor Eric Waterfield retires

Welding instructor Eric Waterfield's retirement next year, after 50 years in industry, is a milestone in his life. Not only is he leaving BCIT after 21 years of service, but he is finally getting out of school. "When I left school at age 14 in 1945," jokes Waterfield, "I thought that it was over. Not only did my first boss send me back to school, but I later spent five years at a technical college."

Before attending the technical institute, Waterfield served with the Royal Engineers Regiment "I was responsible for maintaining the equipment for the atomic bomb testing site on Montebello Island off the north-western coast of Australia. "I was 10 miles away during the actual testing and two days later I was working on equipment recovery. The ship holding the bomb was completely vaporized," he says.

After the war Waterfield returned home to Yorkshire, England where he attended a welding technical college. There he combined his studies with instructing fellow

students in practical application of the trade. "Then, in 1965," he explains, "I came to Canada with the Dominion Bridge Construction Company."

After working in industry for several years Waterfield came to BCIT as an instructor. "I have taught general welding at all levels in addition to teaching programs for the Welding Development Institute of Canada. And while I have been working as an instructor I have also maintained a strong relationship with industry," says Waterfield. For example, last year he did some welding for a chemical company in Prince George that uses hydrogen peroxide instead of chlorine to bleach wood.

Waterfield is considering returning to industry when he retires next year, perhaps as an independent consultant. "I regret having to leave here," he says. "I have really enjoyed my job. When you feel that way about what you do, it doesn't feel like work at all."

—from Sheila Rees

