# FIRE & SAFETY DIVISION

JUSTICE INSTITUTE OF BC.

WS



FIRE & SAFETY

TRAINING FOR SAFER COMMUNITIES

WINTER/SPRING 2000

# Congratulations to the first Fire Officer I class graduates

The Fire and Safety Division is pleased to announce that on January 18, 2000 the first Fire Officer I class graduated. The class brought together aspiring fire officers from the Delta, Hope, New Westminster, Surrey and West Vancouver Fire Departments. Students attended classes 2 days a week and 1 day a week respectively from September 8 through to December 17, 1999. The program was an intensive course and included written assignments and exams and a live-fire practical evaluation.

Fire Officer I is directed at developing the knowledge and skills required for managing and leading in the fire service; handling the responsibility of command and carrying out the initial response of an incident. It provides essential training for supervision of fire fighters in fire stations, managing the operations of fire stations and departments and the necessary skills to manage emergency scenes.

Fire Officer I is the first step in attaining a Fire Service Leadership Diploma/Certificate.

The next Fire Officer I classroom will be offered in the Fall 2000 and Spring 2001. Please call 528-5657 for information.

Fire Officer II classroom is in the process of being developed and will be offered in Spring 2001.



Top row left to right: Merlin Klassen, Mike White, Ron Lepchuk, Glen McGee, John Voice, Bob Rutherford, Lloyd Lees, Dave Boechler, Pat Giovinazzo Bottom row, left to right: Dave Wyatt, Richard Mills, Brent Joel, Tom DeSorcy, Tim Blackburn, Ken Hutchison, Derek House. Missing, Lyle Bolton and Rick Henderson

### Fire Service Training Achievement Award

This award is a joint presentation by the BCFTOA and the ■ JIBC FIRE ACADEMY. Its objective is to provide peer recognition of significant personal contributions to fire training and education in B.C. This award is our recognition of our own members. Its success depends upon the involvment of the BCFTOA members to nominate deserving individuals. To be eligible, nominees must belong to a member organization of the BCFTOA. The award is based on the impact of the training achievement, extent of the individuals personal involvment in the project, demonstrated initiative, creativity, quality and dedication. Achievement for the nomination can be in training program development, lesson delivery, public education, course writing, educational audio/ visuals, promotion og training and education, as well as any other area related to fire sevice training and education. Nominations must reach the Secretary of the BC Fire Training Officer Association by March 31, 2000.

# Highlights...

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# **Live Fire Evaluator Program**

The Live Fire Evaluator Program has been established to enable fire departments to complete Module 8 of the British Columbia Fire Fighter Training Program. This is an extension of the existing Evaluator Program that has provided a cost-effective means of certification for fire fighters in British Columbia. This program is based on the British Columbia Fire Fighter Standard—1995 Edition.

The Coordinator of Fire Fighter Programs at the Fire Academy (New Westminster) administers the Live Fire Evaluator Program. The coordinator of Fire Fighter Programs is responsible for certification of live fire evaluators. For additional information regarding certification as a live fire evaluator, please contact Jack Tyler, the Coordinator of Fire Fighter Programs at (604) 528-5680.

#### **Pre-requisites to Live Fire Evaluation**

The Live Fire Evaluator Program requires that fire fighters have received certification in the basics of fire fighting in addition to training in live fire either at their own department or one of the live fire training centers located throughout British Columbia prior to applying for certification to Module 8 - Fire Control.

Evaluators will not coach or train fire fighters while conducting the evaluation process. Where there is doubt of a

Fire & Safety Division
Course Catalog 2000/2001

New
edition
available
in
March!



student's abilities in the basics of fire fighting, the student may be requested to leave the evaluation session. In cases where this occurs, the evaluator will provide the fire chief/training officer with a specific recommendation for future training.

Where an evaluation is being conducted during a training session, the trainer will not be the evaluator for the students that they have instructed.

# Site-Specific Evaluation of Fire Fighter 1 Topics

Local fire training facilities that can accommodate fires in exterior piles/stacks of combustible materials (3-14.1(a)), Vehicle fires (3-14-2[c]), dumpsters/trash bins (3-14.1[d]), may request that a live fire evaluator conduct evaluations at their location in order to complete those areas of Fire Fighter 1 as noted.

Fire fighters who have been certified in the use of portable extinguishers as per BC Fire Fighter Standard, 3-6.5 will be recognized as having met 3-14.1[b]) – Open pans of combustible liquids (exterior).

# Acceptance of Previously Issued Certificates in Live Fire

Live fire training based on the requirements of the BC Fire Fighter Standard began in June of 1997. In order to accommodate and recognize training and evaluation conducted by the Fire and Safety Division between June 1st, 1997 and December 31st, 1999, those individuals who hold certificates of achievement in the following areas will receive recognition towards completion of Module 8 as follows:

- Live Fire 1 will receive recognition for 3-14-1(e).
- 2. Live Fire 2 will receive recognition for 4-14.1 (b), (c) and (f).

### **Training from other Sources**

Fire fighters who have received certification in live fire training from other sources may submit their credentials through their Fire Chief to the Coordinator of Fire Fighter Programs for review and recognition toward completion of Module 8.

A Brief Checklist, for Fire Departments using their own site-specific props to meet Module 8, Fire Fighter 1, Sections 3-14.1(a), 3-14.1(c) and 3-14.1(d).

- Design and construct props in accordance with the requirements of the British Columbia Fire Fighter Standard 1995 Edition 3-14.1 (a), (c), and (d), and NFPA 1403, Chapter 5.
- Establish operational guidelines for the site and each prop. Operational guidelines to include site –specific detail to cover applicable NFPA and WCB requirements.
- Provide training to instructors, technicians and safety officers
- Arrange for an on-site evaluation by the JIBC, Fire and Safety Division, Coordinator of Fire Fighter Programs. This session will ensure that the evaluation process is being followed and the requirements of the checklists are being met.
- Track student's training progress until the applicable component(s) are completed successfully.



# Contributions to the newsletter are welcome.

Please direct all material to Pat Carnegie-Dunlop. Fax: 528-5660

E-mail:

pcarnegie-dunlop@jibc.bc.ca.

# Technical High Angle Rope Rescue Program Approved for a Second Five-year Term





Workers' Compensation Board Vice President of Prevention, Roberta Ellis, announced that \$1.4 million has been approved that will extend the Technical High Angle Rope Rescue Program for another five year period to 2004. Ellis said the program demonstrates a successful partnership between labor, employers, fire departments and the Board. (Canadian News Wire)

The need for an industrial high angle rope rescue program was first realized in 1990 when a construction tower crane worker was severely injured and unable to reach the ground without help. Neither the worker nor the fire department had the training or equipment to perform the high elevation rescue and it took almost three hours to lower the worker 100 feet down to a waiting ambulance. While incidents that require skills of this intensity do not happen every day, it is necessary to have trained teams that are equipped and able to respond when they do.

The activities of the Technical High Angle Rope Rescue Program are directed by the Technical High Angle Rope Rescue Steering Committee. This committee is comprised of members representing the Construction Labor Relations Association of BC, the Construction and Specialized Workers Union Local 1611, the Greater Vancouver Regional District Fire Chiefs' Association and the BC Professional Fire Fighters' Association. Representatives from the Workers Compensation Board and the Justice Institute of BC, Fire and Safety Division sit on the committee as resource staff and ex-officio members. This program has trained close to 80 instructors in 26 fire departments over the first five-year period. The Justice Institute of BC, Fire and Safety Division has been given full administrative responsibility for the operation of this program. To further support their involvement, the Steering Committee approved the erection of a tower crane at the Fire and Safety Training Center at the Maple Ridge Campus.

With the development of the proposed National Fire Protection Association (NFPA), Standard for Operations and Training for Technical Rescue Incidents, NFPA1670, there is a baseline on which

to proceed with training of future instructors. This in turn creates a need to provide a two-day refresher program to ensure that current instructors are knowledgeable of the changes brought about as a result of the standard. Through the budget process, the refresher program will be offered to all existing instructors over a three-year period.

In addition to the refresher program, a new training program has been developed based on NFPA 1670. This has divided the rope rescue training into Awareness, Operations and Technician levels. A concept on how to fit these levels plus the tower crane component into the time frames allotted to fire service participants has been reviewed and accepted by the Steering Committee.

For further information regarding either the new training program based on NFPA 1670 or the refresher program that will be available to all instructors who completed the earlier program, please contact Dan Murphy, Manager of the JIBC, Fire and Safety Division, Maple Ridge Campus at (604) 462-1000.

February 2000

# Fire Service Leadership Program: STATUS OF COURSES

**JANUARY 2000** 

The Fire Service Leadership Program was introduced in April 1999. The Program comprises four levels: Fire Officer I; Fire Officer II; Fire Officer III and Fire Officer IV. Many of the courses making up this Program are available in distance education format.

While the components and structure for the Program have been identified, specific courses that make up the Program are being introduced over a three-year period. Demand is greatest for courses in Fire Officer I and Fire Officer II, and priority is being given to the introduction of courses at these two levels. However, certain courses are available at the Fire Officer III level, with others being introduced over the next few months. Courses currently available include:

### Fire Officer I

- F105 Station Officer: Dealing With People
- F110 Station Officer: Dealing With New Operations
- F115 Fire Station Environment
- F120 Emergency Scene Management\*
- S101 Fire Service Instructor-I\*

#### Fire Officer II

- F150 Fire Prevention Management
- F155 Fire Suppression Management
- F160 Strategic Operations and Unified Command\*
- S102 Fire Service Instructor-II\*

#### Fire Officer III

- F205 Communication Study Skills
- F220 Fire Service Strategic Planning-1

Courses scheduled for introduction for fall, 2000 include:

### Fire Officer III

- F215 Personnel Management in the Fire Service
- F225 Municipal Finance
- \* Available as workshops

The remaining courses in Fire Officer III (F221 Organizational Behaviour and F230 Incident Command) and the Fire Officer IV courses will be introduced in 2001 and 2002, according to demand and available resources.

For additional information on course availability, please call Geoff Burston, Coordinator – Accreditation and Officer Programs, Fire & Safety Division, (604) 528-5679.

### **Buy-A-Book Campaign!**

You can help fill the shelves of the Justice Institute Libray.

Through the intictive of the Library Staff, and with the support of the JI Foundation, we are launching our second Buy-A-Book Campaign.

As a Library user, you know how important it is for us to keep our resources current and plentiful. As the institute continues to grow and change, our Library faces the challenge of developing our collection to keep pace with those changes. You can help us to meet that challenge. The average cost of a book for the Library is \$52 — only a dollar a week. And for the first time, the JI Foundation is prepared to match the funds we collect. You will also receive a tax receipt for all donations. So for just \$1 a week, you can put two new books on the shelves of the Library!

Please take advantage of this opportunity to make an important contribution to the JI Library and to justice and public safety professionals throughout the province.

Making your contribution is simple. Just complete the form below and fax it to us at (604) 528-5593.

For further information, please call us at (604) 528-5599 or e-maillibrary@jibc.bc.ca

Postal Code:

#### BUY A BOOK



Knowledge Leads to Safer Communities

Return to: JIBC Foundation 715 McBride Blvd. New Westminster, BC V3L 5T4 Fax: (604) 528-5593

-					
	/We	enclose	our	gift	of:

□ \$25.00	□ \$50.00	□ \$100.00	Other
Name:			
Address:			

Phone:

Cheques should be made payable to JIBC Foundation.

	 F-7	 
Visa number		
Expiry date		

Signature	 	

A tax receipt will be issued for all donations.

# Waldron gets 1999 Director's Award



Bill Waldron (left) receives plaque from Fire & Safety Division Director John Vokes.

On September 13th, 1999, Bill Waldron was awarded the Director Award for his contribution to the Fire and Safety Division. Bill Waldron is well known to industry and the fire service in

his capacity with the Society of American Railroads. Most of you know, Bill has retired from there and now spends time consulting for rail and industry clients instructing at the Fire and Safety Training Center. At the onset of planning for the expansion of the hazardous material and rail training area at the Maple Ridge Campus, Bill saw the potential for enhanced training at that site and

became instrumental in acquiring props in the form of track, railway ties, highpressure tank cars, low-pressure tanks cars, flat (rail) cars, and box cars to complete the derailment and other props. Bill's interest did not end there. He continues to assist with the development of programs that have resulted in the enhancement of existing hazardous material training and in the Rail Tank Car Specialist Program utilizing the new training facility. He was also instrumental in confirming the fair value of the donations made by the rail companies and industry for the Justice Institute Foundation Board.

It is the support and assistance that Bill displayed during this project that deserves the recognition that comes with the Director's Award.

We at the Justice Institute of BC, the Justice Institute Foundation and in particular, the Fire and Safety Division once again thank Bill for his ongoing support.

# Joint NFPA/Justice Institute Fire Inspector Program

In 1999, the Justice Institute's Fire & Safety Division partnered with the NFPA to deliver the Fire Inspector I course. The goals of this course are:

- Enhance professionalism within the fire inspection industry
- Recognize and provide evidence of competence as related to NFPA 1031
- Ensure proficiency in the use of codes and standards

# The course is designed in three phases: Phase I: Preparation for a Written Examination

This can be done in two ways – either by a 40-hour classroom session, or by self-study assignments. Experience to date suggests that the classroom format is far superior.

### Phase II: The Written Examination

This four-hour examination is designed to evaluate a student's knowledge of fire inspection principles and code application at the level of NFPA Fire Inspector I. The examination is provided by and marked by IFSTA. The Justice Institute is responsible for administration and proctoring of the examination.

### Phase III: The Practicum

If successful in the written examination, students are eligible to continue to the Practicum phase. This is designed to ensure that an individual has experience in their particular field prior to becoming certified. The student is provided with workbooks and checklists for thirteen target occupancies, of which they must select seven (but must include a sprinklered facility and a commercial kitchen facility). Once completed, the checklists are forwarded to the NFPA, via the Justice Institute for review and acceptance.

The cost of the course is US \$215.00. All applicants register through the Fire & Safety Division. Upon successful completion of the course, students receive a joint NFPA/Justice Institute certificate. Please note that the Justice Institute

recently received accreditation by IFSAC for this course, and successful students receive an IFSAC seal on the certificate.

Demand for the program is growing. To date, approximately 50 students have registered, with many having already successfully completed the course. A further 60 participants will register within the next few weeks. These include members from the fire service, industrial organizations and government agencies.

Please note that the NFPA/Justice Institute Fire Inspector Program is offered in addition to, not as a replacement for, the Justice Institute's Fire Prevention Inspector Program. The 12-block FPI program is currently being updated and a new FPI-12 workshop, designed to the 1998 edition of the 1031 NFPA Standard, has recently been successfully delivered.

For more information on this course, please contact Geoff Burston, Coordinator – Accreditation and Officer Programs, Fire & Safety Division (email: gburston @jibc.bc.ca. Phone: (604) 528-5679.

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# Okanagan Fire Training 2000 Conference

Hosted by Westside Fire/Rescue, Westbank, BC Dates: September 23 & 24, 2000

The JIBC, Fire & Safety Division\* is again pleased to partner with the Westside Fire Rescue to bring you a selection of relevant training programs as follows:

Package 1: Strategies and Tactics - 2 Days

Held at Westbank Holiday Inn

Cost: Register before July 15th - \$250.00:

after July 15th - \$300.00

Package 2: Incident Safety Officer - 2 Days

Held at Westbank Holiday Inn

Cost: Register before July 15th - \$250.00;

after July 15th - \$300.00

Package 3: Hazardous Material Operations - 3 Days

(begins Friday night from 1800 hr to 2300 hr)

Held at Westside Fire/Rescue Hall #3

Cost: Register before July 15th - \$325.00;

after July 15th - \$390.00

Package 4: Auto Extrication Level 2-2 Days

Held at Westbank Holiday Inn

Cost: Register before July 15th - \$250.00;

after July 15th - \$300.00

Package 5: Live Fire Level 1 - 2 Days

Held at North Okanagan Regional Training Center

Cost: Register before July 15th - \$325.00;

after July 15th - \$390,00

Package 6: Pumps and Pumping – 2 Days

Held at Westside Holiday Inn

Cost: Register before July 15th - \$250.00;

after July 15th - \$300.00

For additional information or to request a registration package, contact:

Dan Murphy, Manager,

Maple Ridge Campus, Fire and Safety Division

Tel: (604) 462-1000, Fax (604) 462-9149

Or

Dean Colthorp, Deputy Chief, Westside Fire/Rescue

Conference 2000 Coordinator/Instructor

Tek (250) 768-5616 loc. 2; Fax (250) 768-1193

Maximum class sizes are in effect so register early in order to avoid disappointment.

\*Training sessions conducted and accredited by the Justice Institute of BC, Pire & Safety Division.



# **Incident Safety Officer**

The Fire and Safety Division in cooperation with NFPA is again pleased to offer the Incident Safety Officer Program based on NFPA 1521. We are also pleased that Stephen Foley, Senior Fire Protection Specialist with NFPA will be instructing this session. This two-day program is being conducted in Penticton on Friday, June 2 and Saturday, June 3, 2000 and is being held in the meeting room of the Penticton Fire Department at 250 Nanaimo Avenue West in Penticton.

The goal of this program is to provide the Company Officer with the skills to function efficiently as a Safety Officer at fire department incidents. The primary focus is on developing decision making skills through recognition of cues that effect personnel safety.

The topic areas include:

- the role of the Incident Safety Officer
- regulations, standards and policies
- record keeping and documentation
- risk management
- · incident considerations
- · communication and monitoring

Cost per student: \$295.00

For further information and to register, contact Lindell Radloff at (604) 528-5659.

Payment is by cash or check for this program. Purchase orders are also accepted.

Class size is limited to 40 students so register early.

# **Technical Rope Rescue**

**Instructor Certification Program 2000** 

# Technical Rope Rescue Awareness Level

The AWARENESS level offers basic skills that are to be applied to a technical rescue emergency. This course consists of classroom instruction, field instruction, a written exam, and proficiency evaluations. Course content includes:

- Ropes and Knots
- · Equipment Familiarization
- Anchoring and Basic Rigging Systems
- · Self Rappelling
- Pick-off and Line Transfer Scenarios

# Technical Rope Rescue Operations Level

During the OPERA-TIONS level, participants will operate as an integral part of a team environment. Participants will be directed and monitored by instructors acting as team leaders. This course consists of classroom instruction, field instruction, a written exam, and proficiency evaluations. Course content includes:

- Team Building Roles and Responsibilities
- Victim Packaging
- Lowering Systems
- Mechanical Advantage Systems
- Raising Systems

Awareness Level NFPA 1670
Operations Level NFPA 1670
Technician Level NFPA 1670
Tower Crane Rope Rescue
NFPA 1670 Refresher

Tower Crane training has been added to aid in customizing this program specifically for the Fire Service.

FIRE SERVICE INSTRUCTOR I Contact the Fire Academy at 604-528-5567 for more information.

### Technical Rope Rescue Technician Level

The TECHNICIAN level requires participants to demonstrate skills, knowledge and techniques for; hazard recognition, equipment use, procedures necessary to safely and effectively coordinate, perform and supervise a technical rescue incident. This course consists of field instruction, a written exam, and proficiency evaluations.

# Technical Rope Rescue Program (Fire Service) REGISTRATION FORM

Mail or fax completed forms to:
JIBC, FIRE & SAFETY DIVISION
13500-256th Street, Maple Ridge, BC, V4R 1C9
Tel: (604)462-1000 Fax: (604)462-9149

Contact:				
Title:				
Fire Dept.:				
Telephone:( ) Facsimile:( )				
Invoicing Address:				
10 - 4 - 1 - 1 NTTPA 4470 - 44 070				
Awareness / Operations (combined) NFPA 1670: \$1,050				
Mon. – Thu., May 15th – 18th, 2000 seats				
Mon. – Thu., October 2nd – 5th, 2000 seats				
Technician Level NFPA 1670: \$1,050				
Mon. – Thu., May 29th – June 1st, 2000 seats				
Tue Fri., October 10th - 13th, 2000 seats				
**prerequisite: Technical Rope Rescue Awareness/Operations Level				
Tower Crane Rope Rescue \$500				
Mon. – Wed., June 12th – 14th, 2000 seats				
Mon Wed., October 23rd - 25th, 2000 seats				
**prerequisite: Technical Rope Rescue Technician Level				
NFPA 1670 Refresher \$500				
Mon. – Tue., June 19th – 20th, 2000 seats				
Mon. – Tue., July 10th - 11th, 2000 seats				
Mon Tue., Sept. 18th - 19th, 2000 seats				
Mon. – Tue., October 23rd - 24th, 2000 seats				
**prerequisite: Technical Rope Rescue Tech. Level & Tower Crane				

# Tower Crane Rope Rescue Training

The TOWER CRANE portion of this program will commence with a review of Tower Crane components, technical rescue equipment and systems. The majority of this training takes place in the field and will consist of a variety of scenarios on which proficiency evaluations will be based.

# NFPA 1670 Refresher

This REFRESHER course will bring current Technical Rope Rescue Instructors up-to-date with the changes to the program resulting from the new NFPA 1670 Standard. This course will consist of an appropriate balance of theory and hands-on practical training.

### STAFF LIST

### **Fire Academy Staff**

Robert W. Aldcorn ...... 528-5671 *Manager, Fire Academy:* responsible for the Fire Fighter Program, the Fire Officer Program and the exam department.



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John B. Vokes, Publisher Pat Carnegie-Dunlop, Editor



FIRE & SAFETY
Division

TRAINING FOR SAFER COMMUNITIES

### NEW WESTMINSTER CAMPUS Fire Academy

715 McBride Boulevard New Westminster, BC V3L 5T4 Telephone: (604) 528-5657 Fax: (604) 528-5660

# MAPLE RIDGE CAMPUS Fire & Safety Training Centre

13500 - 256th Street Maple Ridge, BC V4R 1C2 Telephone: (604) 462-1000 Fax: (604) 462-9149

Leona Prill ...... 528-5657

Program Assistant, Front Office/Registration: As front office assistant, answers general inquiries from the public, mails out course information, registers new students for BC FF program, records transfers and passport requests.

### Fire & Safety Training Centre