

CFSA News

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Spring 2002
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*Fire Safety is
Everybody's Business*

President's Message



This will be my final message as President. When elected, the prospect of a possible two year term seemed daunting – both in terms of length and opportunity. I have had the good fortune however of serving with an excellent Board of Directors who have assisted in making the time race by. I would like to personally thank each of the Directors for their dedication and support of the CFSA.

Some of our Directors have been on the Board for many years, and bring a wealth of knowledge and experience to the CFSA. One Director, Rich Morris, is in fact a founding Director of the CFSA. To this mix we have added some new - and dare I say younger - faces in the persons of Janet O'Carroll and Eric Chant.

I would also like to take the opportunity to thank our administrator, Harold Taylor Enterprises, and Sherry Denesha in particular, for their invaluable assistance in the day-to-day operation of the association.

One of the significant achievements of the past 2 years has been the development of the Canadian Fire Safety Association's website (www.canadianfiresafety.com). This website

continues to grow, and now provides a members only section. Appreciation is extended to the Internet Committee, and the Chair Brian Murphy in particular, for seeing the website through its formative stages.

The CFSA has also recently introduced an Associate Member category for individuals and companies located more than 500 km from the Greater Toronto Area. This membership informs the members of CFSA activities and fire safety information through receipt of the CFSA Newsletter. The response to this membership opportunity has been very positive to date.

The CFSA continues to provide a wide range of varied and informative programs including breakfast technical sessions, dinner meetings, annual seminar and quarterly newsletters. Thank you to all those who have contributed their time and expertise to share their knowledge with us.

In closing, I would like to thank all of the members of the CFSA for their ongoing commitment to fire safety and the Canadian Fire Safety Association.

Jon Winton



part of your team

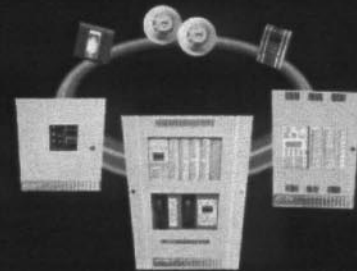
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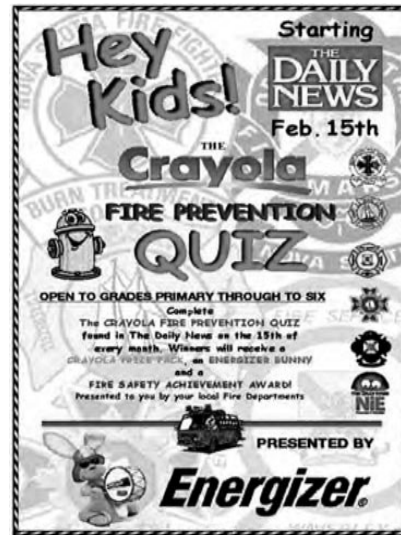
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Exciting New Fire Safety Contest!

Halifax Regional Fire and Emergency, in partnership with **Crayola, Energizer** and **The Daily News – Newspapers in Education** announce an exciting new contest. The “**CRAYOLA FIRE PREVENTION QUIZ**” was officially launched on February 15th, 2002. The contest is open to all Nova Scotia students in grades primary through six inclusive, and will continue on the 15th of each month throughout the school year.

This feature will consist of a full color page containing fire prevention information, as well as a monthly quiz. This quiz is completed by the students and sent to *The Daily News*, where it will be divided into three districts; Cape Breton, Mainland Nova Scotia and Halifax Regional Municipality. Two contestants will be chosen from each area, and will be considered winners if they have



completed the quiz with the correct answers. The six winners throughout the province will be presented with a **Crayola Prize Pack, Energizer Bunny** and a **Fire Safety Achievement Award** by their local fire departments.

The contest is also made possible with the help of **Cape Breton Re-**

gional Fire Services, the Nova Scotia Office of the Fire Marshal, the Nova Scotia Firefighters' School and the **Nova Scotia Firefighters' Burn Treatment Society.**

We strongly encourage teachers, students and their families to take part in this exciting new contest. There's nothing to lose and valuable fire safety tips that the whole family will benefit from to gain – not to mention some really cool prizes!

Amendments to Ontario Fire Code

Outdoor Storage of Compressed Gas Cylinders

The Office of the Fire Marshal (OFM) is pleased to announce that **amendments** to Subsection 5.6.1. of the *Ontario Fire Code* have been filed as O. Reg 315/01 on August 10, 2001, and are effective as of September 4, 2001.

The **amendments** permit approval (by the Chief Fire Official) of alternative protection measures for life safety and health with regards to outdoor storage of compressed gas cylinders. This discretionary power is captured in Sentences 5.6.1.1.(1) and (2). Editorial

amendments constitute the remainder of the new regulation due to renumbering within the Fire Code to accommodate this technical change.

A guideline is also under development by the OFM. The guideline is intended to be used in conjunction with the amendments to Subsection 5.6.1. to assist building owners, and building and fire officials in determining acceptable alternative protection measures for the outdoor storage of compressed gas cylinders.

World Trade Centre Forensics

(CFSA January Dinner) Speaker Dr. James Young

On January 23, 2002, Dr. Jim Young, Chief Coroner of Ontario addressed the Canadian Fire Safety Association on the topic of World Trade Centre Forensics. This summary was graciously provided by CFSA Board Member Janet O'Carroll, a Technical Consultant with Leber/ Rubes Inc's, Emergency Planning Group.

Dr. Young focused on three main areas during his presentation; his perspective from being in New York just days after the accident, risk management and how it applied to the World Trade Centre and future possible risks for Ontario and the world.



Dr. Young's Perspective

Dr. Young was chosen to act as a liaison between the Canadian and the American governments in regards to recovering and identifying bodies and supplying information to Canadian families.

It was "incredible in magnitude and feeling down there" said by Dr. Young as he summed up his perspective on the events.

Risk Management

There are four elements to disaster planning: mitigation (including collecting intelligence at all government levels, protecting critical infrastructure, etc.), planning (including training and exercises), response and recovery.

Before the WTC events, Ontario focused primarily on planning and would create detailed plans in the event of a disaster but would not exercise or practice these plans. A new act is being set into place where all four elements of risk management are required including emphasizing the protection of critical infrastructure such as, nuclear power plants, bridges, fuel depots, etc.

There are six priorities in a disaster situation; rescue, public safety, communication, restoration, integrity of investigation and economic consideration. The key component of these is com-

munication. Whether it be communication between officials in charge, between officials and the press or between officials and family members, clear, concise and up-to-date information can make all the difference.

Work completed in New York City

Dr. Young had a difficult job of not only supplying information to the families but to also identify the deceased. Identification was done by means of visual, fingerprints, x-rays, dental records or for those bodies that did not come back whole, DNA testing.

Approximately 400 to 500 people were able to be identified without using DNA testing, however due to extreme variables in this circumstance, such as intense fire, crushing forces and decomposition many of the remaining bodies needed to be identified by Nuclear DNA testing. The United States is testing any tissue samples 1 cm² or larger, with over 10 000 samples currently being tested

In order to declare the death of these individuals within a reasonable length of time, the US passed a law that would allow coroners to issue death certificates much more quickly than the normal process. Ontario is working to pass this same or similar law in such an event.

Future possible risks

One of Ontario's lingering concerns, is further terrorist acts committed in the US or even closer to home. There are many possible threats but one that is mentioned most often is germ warfare.

Germ warfare is a realistic threat because it is affordable (i.e. \$1500 nuclear versus \$0.01 germ), is capable of reaching its intended target, results in limited collateral damage and obtains a desired outcome (death). It also has the ability to kill, can transmit from person to person and is hard to trace.

Looking back in history, in 1190, 100 millions Europeans were killed by the plague, in the 14th century, 24 million Europeans were killed by 'Black Death' and in 1894, 13 million people in China were killed by the Plague.

New technology such as improved sanitation, vaccines and antibiotics are likely to contain the death toll of an outbreak from reaching such a high population as in the past however, as technology increases each year, certain diseases have been able to create or change pathogens (i.e. AIDS).

Such diseases currently being watched for are small pox, the plague, botulism and anthrax.

Additional Information

- The WTC contained ~20% of all usable office space in Manhattan
- 200 to 300 million dollars worth of gold still remains trapped within the WTC rubble
- There was 7 stories of rubble to remove
- 80 countries had people within the WTC towers

We would like to thank Dr. James Young for his insightful presentation and moving speech in regards to World Trade Centre Forensics.

Overview of recent changes to ULC Fire Alarm Standards

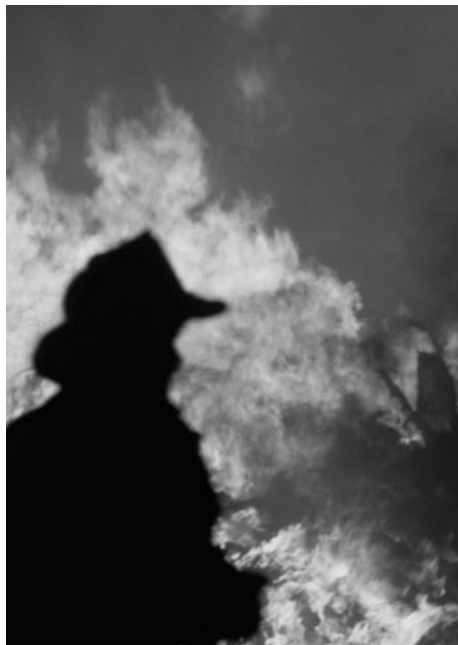
On Wednesday February 6, 2002, Mr. David Goodyear addressed CFSA Technical Session participants on and overview of recent changes to ULC Fire Alarm Standards. This summary was prepared by Andrew McPhearson, a CFSA Member and Fire Protection Technologist at Randal Brown & Associates Ltd, a consulting engineering firm specializing in building code and fire protection.

Mr. Goodyear began the meeting by discussing the new Standards for the installation and maintenance of smoke alarms. CAN/ULC-S553 is a Standard for the Installation of Smoke Alarms. This Standard deals with smoke alarm installations within dwelling units only and sets the guidelines for the interconnection of smoke alarms with compatible smoke alarms as well as the interconnection of smoke alarms and carbon monoxide (CO) detectors.

Mr. Goodyear stated that maintenance and testing requirements for smoke alarm systems is outlined in the CAN/ULC-S552 Standard. This Standard will provide information on when smoke alarms are required to be replaced and/or tested. For example, a smoke alarm is required to be replaced when it is painted or damaged. Testing of a smoke alarm will be required annually and when an occupant is away for more than seven days. Smoke alarm test period is required to ensure that the smoke alarm is still operable after an occupant has not been present for 7 days.

New changes to the manufacturing and laboratory testing Standard, CAN/ULC-S531 includes smoke alarm and carbon monoxide detector interconnection and new methods for measuring smoke alarm sensitivity period.

Mr. Goodyear informed the CFSA members that committees are currently working on the ULC Standard for Central Stations. This Standard will provide guidelines for emergency power and



lighting, manning and communication times between fire alarm operation and central station response.

The session was concluded with acknowledgment that a new ULC standard for electromagnetic locking devices was available. The Standard for the Inspection and Testing of Fire Alarm Systems (CAN/ULC-S536), the Standard for the Verification of Fire Alarm Systems (CAN/ULC-S537), and the Standard for Smoke Detectors for Fire Alarm Systems (CAN/ULC-S529) have or are being revised and are now available from ULC.

Mr. Goodyear's presentation was received with much appreciation for his update on the recent changes to ULC Fire Alarm Standards.



Editor: David Johnson

The CFSA Newsletter is published 4 times per year – June, September, December, March

Advertising Rates
(per issue, GST extra)

Back cover	\$250
Full page	\$200
1/2 page	\$100
1/4 page	\$50
Business Cards	\$25

10% discount for CFSA Corporate Members.

All advertisements are required to be camera ready.

Closing dates for submissions are as follows:

- Issue #1 – May 20
- Issue #2 – Aug. 19
- Issue #3 – Nov. 19
- Issue #4 – Feb. 17

All general enquiries and advertising materials should be directed to the CFSA office at
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Your comments, suggestions and articles are welcome. Please send them to the attention of:

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Views of the authors expressed in any articles are not necessarily the views of the Canadian Fire Safety Association. Also, the advertisements are paid advertising and in no way recognized as sponsored by CFSA.

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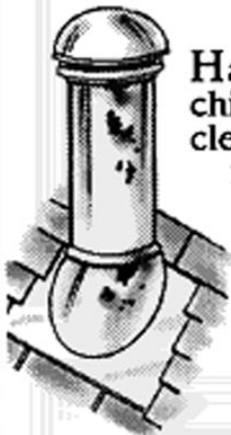
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Remember to check your chimney regularly for signs of corrosion or deterioration.



Have all chimneys cleaned and inspected at least once a year.



New CFSA Meeting Times

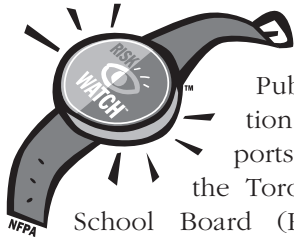
In September, October and November 2002, CFSA will be altering the current evening Dinner Meeting format to a luncheon meeting timeslot. The Board has voted to reschedule the meetings on a trial basis as a result of requests from CFSA members in the recent member mail-in survey.

Mark your calendars, daytimers and Palm Pilots now.



Risk Watch in Toronto Schools

The following article was supplied by Rich Morris of NFPA International and CFSA's Public Education Committee Chair.



Rich Morris, CFSA's Public Education Chair reports that both the Toronto District School Board (Public) and Toronto Catholic District School Board are reviewing the introduction of NFPA's RiskWatch program into their curriculum. RiskWatch is a program addressing all sorts of safety oriented lessons, including fire safety. Both boards currently offer the Learn Not to Burn curriculum.

OFMPSC Considering PSA/Standard

As a result of an increase in recent fires caused by unattended candles and children playing with matches or lighters, the Ontario Fire Marshal's Public Fire Safety Council is considering the placement of public service announcements within local newspapers to bring fire safety awareness to the forefront. Fire deaths in the province were up in 2001 despite all good efforts. In early February 2002, a young child was killed in a fatal basement apartment fire in Scarborough.

The introduction of a standard to address decorative and aromatic candles and their wicks has been suggested by some in the fire prevention field.

Welcome to the following New Members



Individual

Kris Gillis

Kodak Canada Inc.

Jimmy Moro

The Great Atlantic & Pacific Company

Sean Morris

Associate

Margaret Kuzyk

Municipal Affairs & Housing

Carvell McNutt

Chris Tye

Alberta Municipal Affairs

Gary Wasyliw

Building Division
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Student

Robert Luton

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For more information visit us at www.nfpa.org or call 617-984-7310



schedule of events



CFSA Dinner Meetings & Technical Sessions

March 20

Dinner Meeting: Tour the All New Central Communications Centre at the Toronto Fire Services Head Quarters

April 6

Technical Presentation: Topic TBA

April 24

Annual Technical Session

May TBA

Dinner Meeting: Topic TBA

May TBA

Technical Presentation: Topic TBA

Other Events

March 25-28

Ontario Municipal Fire Prevention Officers – 46th Annual Conference
Ottawa Marriott Hotel
613-969-7455, omfpoa@magma.ca

March 26 & 27

Standards Council of Canada – National Standards System Conference
Quebec City, QC
613-238-3222

April 7-13

OBOA Building Safety Week

April 29- May 3

Ontario Association of Fire Chiefs – International Plaza Hotel, Toronto
Terry Landon, 1-800-774-6651

April 17-19

New Brunswick Association of Fire Prevention Officers
Bathurst, NB

April 17-19

New Brunswick Building Officials Association
Moncton, NB

April 17-18

Manitoba Building Officials Association
Winnipeg, Manitoba

April 21-24

Building Officials Association of B.C.
Burnaby, B.C.

April 28-May 1

Fire Chiefs Association of Alberta
Jasper, Alberta

May 3-5

8th Annual FDIC Atlantic – ISFSI (Nova Scotia Chapter)

May 6-10

B.C. Fire Prevention Officers Association
Nanaimo, B.C.

May 19-23

NFPA Conference & Expo
Minneapolis, MN
www.nfpa.org

June 2-6

Fire Chiefs Association of B.C.
Vernon, B.C.

June 21-24

Nfld Fire Chiefs Association
Gander, Nfld.

July 6-10

Maritimes Fire Chiefs Association
Halifax, N.S.

September 22-25

Canadian Association of Fire Chiefs
Calgary, Alberta

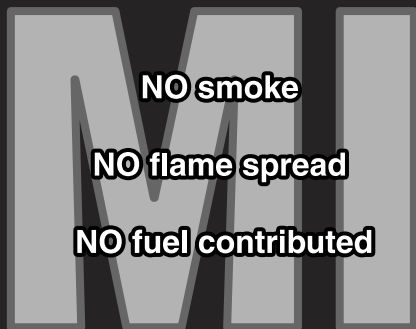
September 29 - October 2

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Dinner Meeting reservations, technical sessions,
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Update on Sprinklered Dwellings in Vancouver BC

In April, 1990 the City of Vancouver passed a by-law requiring all new residential construction in the City to be built with fire sprinklers installed. In the fifteen (15) years prior to this by-law being passed, it was estimated that approx. 18,000 residential dwelling units had already been sprinklered. This figure includes almost 9,000 high risk residential occupancies in the downtown core that were sprinklered under retroactive fire by-law legislation passed in 1973. Upgrades of existing residential buildings have not been counted since 1990.

In the past nine years, over 10,000 new one and two family dwelling units (approx. 9% of the current stock) have been constructed with fire sprinklers installed. In the same time period, over 31,500 residential units in multi-family residential buildings (approx. 24% of the current stock) have been built. It is currently estimated that over 59,500 dwelling units (approx. 26% of the City's residential stock) are sprinklered, including over 38% of all multi-residential units.

Mandatory sprinklerization in all new construction has already significantly reduced the City of Vancouver's annual fire casualties statistics as compared to previous years or other cities in North America that do not have similar legislation in place. This trend is expected to continue as the number of sprinklered dwellings in the City's housing stock continues to increase.

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Highrise Building Fire Safety



Don't miss the opportunity to participate in the Fire Safety Event of the Year!

CFSA Annual Education Forum & Trade Show

The latest issues and concerns affecting those in the fire safety industry will be discussed. All seminars have been planned to help you deepen your knowledge, expand your horizons, and build your business network of peers in the business of fire safety.



Canadian Fire Safety Association
2002 Education Forum & Trade Show

Wednesday, April 24th

Seneca College
Newnham Campus,
Seneca Centre #5 entrance
Studio Theatre
Parking Lot #4 – Free Parking
Toronto, Ontario

Program at a Glance

<u>7:30 a.m.</u> Registration	<u>12:00 p.m. - 1:15 p.m.</u> Lunch
<u>8:00 a.m.</u> Annual General Meeting	<u>1:15 p.m. - 1:30 p.m.</u> Scholarship Awards
<u>9:00 a.m.</u>	<u>1:30 p.m. - 3:30 p.m.</u> Fire Alarm Voice Communications
<u>9:30 a.m. - 10:10 a.m.</u> Highrise Safety issues	<u>2:00 p.m.</u> Management Perspective of Highrise Issues
<u>10:10 a.m.</u> Coffee	<u>2:50 p.m. - 3:10 p.m.</u> Coffee
<u>10:40 a.m.</u> Structural Fire Safety	<u>3:10 p.m.</u> Emergency Planning Guidelines
<u>11:20 a.m. - 12:00 p.m.</u> Egress from High Buildings	<u>3:50 p.m.</u> Closing

Cost \$135.00* for members
\$155.00* after April 5, 2002
*plus GST

Registration Form

CFSA Annual Education Forum & Trade Show Highrise Building Fire Safety

Registrant's Name: _____
 Title: _____ Company: _____
 Street _____ City: _____
 Postal Code Business Phone

Please send me membership information on the Canadian Fire Safety Association

Registrations	Advanced Prior to Apr. 5th	After Apr. 5th	Total
Members	\$135.00	\$155.00	_____
Non-Members	\$160.00	\$179.00	_____
Students*	\$35.00	\$35.00	_____

*Proof of full-time status must be shown

Plus 7% GST _____
Total _____

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Member's *Forum*

Please use the Member's Forum to submit your thoughts and comments on CFSA Programs and events or to let us know what you would like to see as future dinner or technical session topics. Please use the form below to update the CFSA office of any change in address or member information. Don't forget to let us know your e-mail address and website URL (if applicable). We look forward to hearing from you. **Send your comments and suggestions to: 2175 Sheppard Ave. East, Suite 310, Toronto, ON M2J 1W8 or fax to: (416) 491-1670 or by e-mail: www.cfsa@taylorenterprises.com Website: www.canadianfiresafety.com**

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E-mail

Website

Would you prefer to change to lunch meetings?

Would you prefer to keep dinner meetings on Wednesday evening?

Comments:

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