

CFSA News

CANADIAN FIRE SAFETY ASSOCIATION

IN THIS ISSUE

Fall 2001 • VOLUME 13, ISSUE 2

- 3** Toronto Hydrants Get Makeover
SFPE Southern Ontario Has a New Newsletter Editor
Fire Prevention Week 2001
- 4** Underwriters' Laboratories of Canada
- 5** Schedule of Events
- 6** TFS Legal Successes
Fire Safety Engineering at Carlton University
- 7** New Brunswick Sprinkler Fitter Certification
Amalgamation of Montreal Fire Department
CFSA Board Member on ULC Committee
- 8** Canadian Expert to Assist in World Trade Centre/Pentagon Tragedy
- 9** Our Prayers and Thoughts
Fire Sprinkler System "pocket" Guide Now Available from NFPA
Amendments to Ontario Fire Code
- 12** Fire Risk Analysis Rating System
- 13** Member's Forum



*Fire Safety is Everybody's
Business*

President's Message



On September 11, two commercial aircraft were deliberately flown into the two 110 storey towers of the landmark World Trade Center in New York City, destroying these buildings, and damaging or destroying adjacent buildings. A third aircraft was crashed into the Pentagon in Washington, and a fourth into a Pennsylvania field. These abhorrent acts will linger for many years in the minds eye of all who watched the events unfold in the news media. One can only imagine the nightmares that will be visited on those who witnessed these events first hand. We mourn the loss of life and extend our sympathies to those who have lost loved ones.

It is often in the face of greatest adversity that mankind reveals the best side of its humanity. While thousands of people were fleeing from the buildings, emergency responders were arriving to dutifully place themselves in harms way to assist their fellow citizens to safety. Unfortunately, current estimates indicate that approximately 300 firefighters and police officers in New York lost their lives in this endeavour, as the towers collapsed upon them. The search for missing persons continues at the time of this writing. The total number of lives lost is as yet unknown.

Many acts of kindness and bravery undoubtedly occurred that day (and in the following days of recovery), by both trained professionals and ordinary citizens. These services were rendered out of selfless compassion, not for self-serving attention or glory. Many of these events, large and small, were not recorded except by the generous givers and the thankful recipients. These are perhaps the most profound, as they remain unrecognized and unrewarded - except in the deep personal memories of the participants who know that, for a brief time, they saw the best part of the human spirit rise above the results of the worst.

This newsletter is dedicated to the courage and compassion of the human spirit, and in particular to emergency responders – firefighters, police officers, paramedics, etc. – who remain steadfast in the face of danger to protect their communities from harm.

The CFSA has recently introduced a new Associate Member category for individuals and companies located beyond a radius of 500 km from the Greater Toronto Area. This membership is intended primarily to inform them of CFSA activities through receipt of the CFSA quarterly newsletter. Cost of membership will be \$25 per year. We hope that growth in this membership category may eventually become a catalyst for CFSA Chapter development in other regions of the country.

At the summer meeting of the CFSA Board of Directors, there was discussion whether our monthly dinner meetings should be rescheduled as lunch meetings in the future. It was discussed that most of us currently experience greater demands of time and effort in our professional responsibilities, as compared with years past. The result is diminishing time and energy available for equally important private and family time at the end of the day. It was proposed that lunch meetings can provide the same venue for professional development, networking and refreshment as dinner meetings, but within a time period which we have already set aside for work related activities and during which our minds are more receptive.

Please complete the *Member's Forum* provided on Page 12 of the newsletter. We would appreciate your response to indicate your preference for either lunch or dinner meetings, to assist the CFSA in delivering programs that best serve your needs.

For the immediate future, dinner meetings will continue to be held in the customary evening time period. I look forward to seeing you there.

Jon Winton, President



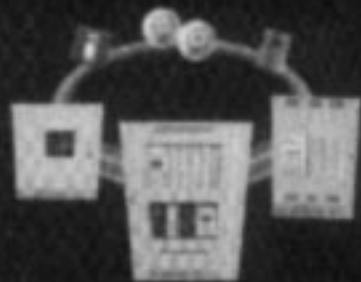
part of your team



When it comes to Life Safety, we are all on the same team. Edwards is committed to providing the latest in Life Safety Technology. Our systems are designed with emergency operators in mind.

- First and last alarms automatically displayed for hands free operation
- 168 character LCD, largest in the industry, clearly identifies location of emergency
- Intelligent multi-sensor technology virtually eliminates nuisance alarms
- Comprehensive service packages are available, coast to coast

For more information on our wide range of Life Safety products, please contact your nearest Edwards office, or visit our website.



integrated life safety

AN ISO 9001 REGISTERED COMPANY, UL FILE NO. A1868
www.edwards.ca



2000/2001 Board of Directors

EXECUTIVE

PRESIDENT

Jon Winton
Leber/Rubes Inc.
(416) 515-9331 (x-310)

PAST PRESIDENT

Brian Murphy
ULC (416) 757-5250 (ext. 61220)

VICE-PRESIDENT

David Johnson
Randal Brown & Associates (416) 492-5886 (x-224)

DIRECTORS

TREASURER

Doug Crawford
Office of the Fire Marshal (416) 325-3103

EDUCATION AND SCHOLARSHIPS

Rich Morris
Siemens, Cerberus Division
(905) 764-8384

MEMBERSHIP

Brian Murphy
ULC
(416) 757-5250 (ext. 61220)

SECRETARY

Mike Strapko
Toronto Fire Services
(416) 397-4333

DINNER MEETINGS

Alan Kennedy
Leber/Rubes Inc.
(416) 515-9331 (x-325)

Rich Florio
BICC Pyrotex
(416) 791-2413

LEGISLATION

Leo J. Grellette
Town of Aurora
(905) 727-3123 (x-391)

TECHNICAL SESSIONS

Randy de Launay
Human Resources Development
(416) 954-2877

Alan Speed
Toronto Fire Services
(416) 397-4300

STUDENT CHAPTERS

Stu Evan
Seneca College
(416) 491-5050

CFSA ADMINISTRATOR

Mary Lou Murray
2175 Sheppard Avenue East, Suite 310
Toronto, Ontario M2J 1W8
(416) 492-9417
Fax: (416) 491-1670
E-mail: cfsa@taylorenterprises.com

Toronto Hydrants Get Makeover

(paraphrased from Article in East York Mirror)



Toronto's municipal fire hydrants are brightening up neighbourhoods with blue, green and orange hydrant caps.

Blue capped hydrants identify hydrants with a flow rate of more than 1500 USgpm. Green caps reflect water flows between 1000 and 1499 USgpm. Orange caps identify flows between 500 and 999 USgpm.

The colour coding system allows responding fire crews to quickly identify the available city water supply upon approach to a fire scene.

The main concern and reasoning for the colour coded system is due to the number of "dead-end" hydrants located at the ends of water mains. While large volumes of water may be available, pressures will vary. In order to quickly identify conditions to responding crews before their hose lines are hooked, the colour coded system is being implemented.

SFPE-Southern Ontario has new Newsletter Editor

Jason Scovell, who has been actively involved with the articles appearing in the Canadian Fire Safety Association's Newsletter, has volunteered to fill the role of Newsletter Editor with the Southern Ontario Branch of the Society of Fire Protection Engineers. We wish him luck and thank him in advance for his continuing contributions to the CFSA.

Fire Prevention Week 2001 (October 7-13)



This year's theme is "Cover the Bases & Strike Out Fire". What do baseball and fire safety have in common? This year's campaign highlights some "striking" similarities between the two and teaches people some simple steps they can take to prevent home fires.

Sparky the Fire Dog, who is also celebrating his 50th year as NFPA's Mascot, will be playing a visible role as "coach" to families and communities on simple ways to avoid fires.

Partners in Fire Prevention in Ontario include:

- Toronto Blue Jays
- Kidde
- Enbridge Gas
- McDonalds Canada

The baseball diamond will be used as a visual aid to drive home the fire safety message that cooking, heating and electrical fires account for half of all home fires. Kitchen fire safety will be deemed 1st base, heating safety is considered 2nd base and electrical safety will represent 3rd base. Home plate is intended as a reminder to test home smoke alarms and fire escape planning.



Underwriters' Laboratories of Canada

An Affiliate of Underwriters Laboratories Inc.

September 2001

Amendment No. 2 to CAN/ULC-S537-97, Standard for the Verification of Fire Alarm Systems

Underwriters' Laboratories of Canada, (ULC) has just issued a second amendment to the Standard for the Verification of Fire Alarm Systems, CAN/ULC-S537-97.

When Section 5 was added addressing system modifications in 1997, they took the form of prescriptive requirements applying to all systems. Unfortunately, on most system additions using current hardware and technology, the extent of the testing mandated was substantially greater than that was believed necessary to verify compliance while ensuring that no aspect of the system operation is compromised. Many found that compliance to the current requirements of Section 5 was very difficult and tedious to actually achieve.

The ULC Committee on Fire Alarm Equipment and Systems felt that by providing a number of performance clauses rather than retaining the prescriptive requirements, a fire alarm system can be modified without having to re-verify all of the existing devices connected to that specific circuit. You will find that in Amendment No. 2, performance requirements have been added to Section 5 that ensure modifications do not compromise existing fire alarm systems and that the modifications meet all of the requirements of fire alarm installations.

In addition to this amendment being published, the development of the 4th Edition of CAN/ULC-S537 is scheduled to begin early this Fall. CAN/ULC-S536-97, Standard for the Inspection and Testing of Fire Alarm Systems is also scheduled to be developed as a 4th edition in tandem with CAN/ULC-S537.

If you wish to obtain a copy of Amendment No. 2 to CAN/ULC-S537-97, Standard for the Verification Fire Alarm Systems, please contact ULC at 1-800-INFO-ULC (463-6852). For more information on current Standards Development activities please visit the ULC Website at www.ulc.ca/standards.



Donald F. Falconer, P. Eng.
Technical Development
Manager



420 Tapscott Road, Unit 5
Scarborough, Ontario M1B 1Y4
Telephone: (416) 292-2361
In U.S.A.: 1-800-263-4087
Fax: (416) 298-5887
E-mail: dfalconer@adfire.com



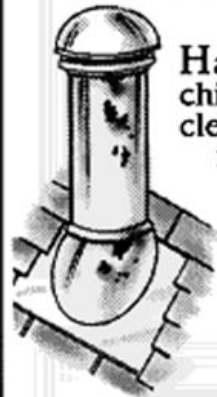
VESUVIUS
CANADA

Bob Michell
Passive Fire Protection Specialist

518 Williams Drive
Sarnia, Ontario N7T 7J4
Tel: (519) 337-7548
Cell: (905) 714-3836
Fax: (519) 337-7540
E-mail: Bob.Michell@cp.vesuvius.com / www.pyroscat.com

CHECK YOUR CHIMNEY

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



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



Tony Barbuzzi, C.E.T.
Integrated Systems Consultant

ADT Security Services Canada, Inc.
2815 Matheson Boulevard East
Mississauga, Ontario
Canada L4W 4P7
Telephone (416) 218-1017
Fax (416) 226-5302
E-Mail: tbarbuzzi@adt.ca

A TUCO INTERNATIONAL LTD. COMPANY

**Randal Brown
& Associates
Ltd.**

**Consulting Engineers | Building Codes
& Fire Protection**

6 Lansing Square, Suite 105
Willowdale, Ontario
M2J 1T5

Randal Brown, P. Eng.
Consulting Engineer
President

TEL. (416) 492-5886
FAX. (416) 492-1258
RES. (416) 444-1246
INTERNET: bldgcodes@aol.com

schedule of events

CFSA Dinner Meetings

October 24, 2001

'Clean Agent Alternatives'

November 21, 2001

CFSA Dinner Meeting (TBA)



Other Related Events:

November 10-14, 2001

NFPA Fall Education Conference

Dallas, Texas, USA

Contact: www.nfpa.org

November 15-16, 2001

Fire & Life Safety

Educators Conference

Town of Blue Mountain, Ontario

Contact: 519-599-5411 or

dcbluefd@inetsonic.com

November 18-20, 2001

Canadian Society of Safety

Engineers Conference

Vancouver, BC

Contact: www.csse.org

TFS Legal Successes

Toronto Fire Services Legal Section has recently had two very successful convictions.

A Toronto landlord has recently been handed a stiff jail sentence for the second time in two years for failing to comply with mandatory Retrofit Fire Code Standards. The individual was fined \$4000 and jailed for 45 days. His wife was also fined \$4000 and jailed for 10 days.

Derek Collins of the Toronto Fire Services Legal Section believes the fine and jail sentence to be so steep because the couple was charged with the same fire code violations two years ago. However, the couple failed to rectify the deficiencies, which included failure to upgrade fire separations and failure to install interconnected smoke alarms in a rental property in west-end Toronto. Exiting from the facility was also deficient.

The sentence sends a warning to other negligent landlords that the penalties will become increasingly severe when it can be shown that landlords who have their tenants safety in hand fail to comply with fire codes.

In a separate incident, a rave promotion company was fined \$10,000 after pleading guilty to committing fire code violations at the all-night bash where Ryerson Polytechnic University student Allen Ho died of an Ecstasy overdose.

The fire code violations endangered 3000 to 3500 young individuals, by being held in an underground parking garage in Toronto's



west-end. Among the charges was "permitting activities which create a hazard and which are not allowed for in the original design of the building". The violations consisted of overcrowding, lack of sufficient exits and lack of emergency lighting.

Other probation requirements imposed on the rave promoter includes an 18 month term in which any raves must be held in appropriate venues and 72 hour fire department notice is required.

Fire Safety Engineering at Carlton University

Dr. George Hadjisophocleous has been appointed as the Industrial Research Chair in Fire Safety Engineering at Ottawa's Carleton University. Dr. Hadjisophocleous was previously employed with the National Research Council of Canada and is considered to be a world renowned expert in computer modelling of building fire safety. Carleton is also developing graduate fire safety engineering programs at both the master and PhD levels.



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
2175 Sheppard Ave. E., Suite 310,
Toronto, Ontario M2J 1W8

Your comments, suggestions and articles are welcome. Please send them to the attention of:

The Editor
Canadian Fire Safety Association
2175 Sheppard Ave., E., Suite 310
Toronto, Ontario M2J 1W8

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.

CFSA Chapters

Interested in forming a new chapter?
Call CFSA at (416) 492-9417.

New Brunswick Sprinkler Fitter Certification

The New Brunswick Government has issues compulsory occupation for apprenticeship and certification under the *Apprenticeship and Occupational Certification Act*.

John Galt, President of the Canadian Automatic Sprinkler Association stated in a news release that "this will greatly improve the adherence to proper installation standards and improve the level of fire safety for the citizens of New Brunswick".

Employers must not employ anyone in this occupation unless the individual is qualified or is in the training stream. Individuals must hold valid Certification of Qualification or Letter of Authenticity in the occupation.

CASA has submitted similar requests for contractor licensing to provincial governments in Ontario, British Columbia, Alberta and Saskatchewan.

Our Graduates
critical Make A
Difference

Preparing individuals to work as fire prevention professionals -- that's what Seneca College's School of Mechanical & Fire Protection Engineering Technology is all about. The graduates of our Fire Protection Technician and Fire Protection Engineering Technology Diploma Programs, are knowledgeable in all aspects of fire prevention and practices. When you hire a Seneca grad, you know you've hired someone with the right stuff.

For more information, contact:
Stu Evans, Seneca College,
School of Mechanical & Fire Protection
Engineering Technology
416-491-5050, ext. 2394



Education That Works

Amalgamation of Montreal Fire Department

"LA FUSION" The City of Montreal has commenced the amalgamation of a total of 22 fire departments. Upon completion the Montreal Fire Department will become North America's 6th largest municipal fire department. NFPA 1201 "Standard for Developing Fire Protection services for the Public" was translated into French for a guideline for the amalgamation.

Simplex

Michael Hugh
National Sales Engineer

2400 Skymark Avenue
Mississauga, ON L4W 5K5 Canada
Toll Free 1-800-507-9242
Direct Line (905) 212-4492
Fax (905) 212-4401
E-mail hughm@simplexnet.com

CFSA Board Member on ULC Committee

Rick Florio C.E.T., Past CFSA President and Board of Director has been appointed to represent the CFSA on the CAN/ULC S500 Series committees. Rick is the Manager of TYCO Flow Control, Canadian Commercial Wiring.

Canadian Expert to Assist in World Trade Centre/Pentagon Tragedy



Dr. James Young, Chief Coroner of Ontario, will be leading a team of forensic identification experts from Ontario to New York to assist in the aftermath of the widely covered World Trade Center Terrorist attacks which occurred on September 11, 2001.

Hundreds of firefighters and emergency services workers were killed in the bold attacks where two planes were deliberately crashed into the 110 storey World Trade Center Towers. A third plane was crashed into the Pentagon. The New York City Fire Department losses include their fire chief, deputy chief and chaplan.

The WTC disaster is the largest loss of firefighters in a single incident in US History. Until this grave day, the 1947 ammonium nitrate explosions in Texas City, Texas where 27 firefighters were killed, was the largest single event loss.

Dr. Young, an avid supporter of the CFSA spoke to the CFSA in January of 1999 following his involvement with the Swiss Air Disaster off the coast of Peggy's Cove, Nova Scotia.

A Fireman's Hymn

*When I am called to duty God,
Wherever flames may rage,
Give me the strength to save some life
Whatever be its age.*

*Help me embrace a little child,
Before it is too late,
Or save an older person from
The horror of that fate.*

*Enable me to be alert,
To hear the weakest shout,
Then quickly and efficiently
To put the fire out.*

*I want to fill my calling Lord,
To give the best in me;
Halting all the fear and pain;
Protecting Life and property.
And when that moment comes, dear Lord,
When end of life draws near,
I trust to your eternal love
All those whom I hold dear.*



Our Prayers and Thoughts for the Firefighters of New York City and our Friends in the United States of America

The following letter from Fire Chief Alan Speed, Toronto Fire Services which was sent to the Headquarters of the National Fire Protection Association, attention of Russell Sanders. Russell is a representative of NFPA and also a liaison person for the Metro Chiefs Section of the International Association of Fire Chiefs.

Russ Sanders replied "Your beautiful words of condolence are greatly appreciated. However, it is your prayers that mean even more. Thank you. I will share your letter with my colleagues at NFPA, and I will send a copy of your letter to the families of the fallen firefighters".

Our hearts are broken as we share your pain. We are all in a state of disbelief and confusion as we try to come to terms with the unthinkable and tragic events of the last few days. Our greatest frustration is not being able to stand shoulder to shoulder with our fellow firefighters during the massive rescue operation.

At the request of the Canadian Government, we do have the Toronto HUSAR team and the Critical Incident Stress team on standby and ready to respond, if and when we receive the call.

In the meantime we will continue to pray for all of you.

I attended a meeting of the Ontario Fire Marshals Public Fire Safety Council this morning and was asked to lead a brief ceremony of prayer and remembrance, following which I felt a desire to share my thoughts and words with you. They are from my heart.

"Let us take a few moments to reflect upon the tragic events of the last 72 hours.

Thousands of people have lost their lives while more have lost their loved ones. Children have lost parents and parents have lost children. Spouses have lost their partners and siblings have been separated from their families.

Firefighters, police officers, paramedics, doctors, nurses and other dedicated rescuers have paid the supreme sacrifice while serving their fellow mankind, and as a result will not return home because they have responded to their last alarm.

Hearts have been broken as families have been torn apart. Dreams have been shattered and opportunities have been stolen away from people with promising futures. Young lives with so much to live for have been abruptly cut short. Others who have survived will be scarred, emotionally and physically, and will experience ongoing pain and torment.

Each and every one of us who have watched the events on television, or read the newspaper accounts, have surely been moved emotionally by this very tragic and shameful disaster.

Our hearts go out to the victims and their families, filled with compassion and sympathy. Many of us have experienced numerous emotions including disbelief, confusion, anger, denial, grief, sadness and sorrow.

We will always remember the events of September 11, 2001. Let us also remember the victims, the broken hearted and broken families and the shattered lives, as they try to cope with the devastation and destruction that has rained down upon them.

I trust we will each have good reason to reflect upon our own personal lives. To take time to count our many blessings, to express our love and appreciation to our own family members. To value the life we have been given and the opportunities to make a significant contribution to all life around us. Let us be thankful for our own firefighters, police officers, paramedics, doctors, nurses and other professionals who willingly put their lives on the line for our benefit.

We must pray for the leaders of our nations, that God will give them wisdom and understanding, to act in a reasoned, measured and responsible way as they consider an appropriate response to the wicked and evil events that have hurt mankind. Pray that God will prepare us for all of the days ahead, especially those of us who have responsibility to lead others. In our position of influence let us always be mindful of our responsibilities and to know that we will be held accountable for our actions.

Let us pray that Almighty God will reach out to his children with love and compassion as the great nation of the United States of America prepares to rebuild, restore and face the future with confidence and strength".

May God Bless you all.
Fire Chief Alan Speed

Fire sprinkler system “pocket” guide now available from NFPA

Handy new installations guide a portable reference tool for field practitioners

Quincy, MA, August 20, 2001 – The NFPA has published an indispensable new tool for engineers, designers, installers, inspectors, and other specialists who seek a quick reference for fire sprinkler system installation. The NFPA Pocket Guide to Sprinkler System Installation provides material that addresses classic problems and situations encountered in the field, and is a companion to sprinkler standards, codes and other sources of information.

“The Pocket Guide gives you quick access to formulas, conversion tables and rules that would take some time to find if you had to look through various NFPA standards,” says the guide's author

Dave Hague. “We have pulled together the critical information that contractors use daily, including ANSI standards for fittings and guidelines and data for all types of piping applications.”

The NFPA Pocket Guide is portable at 3 1/4 by 5 3/4 inches. The guide is organized into sections addressing installation requirements, component weight and dimensions, structural shapes and sizes, tables and figures, formulas, flow tests and fire protection drawings. Also included in the guide are water supply, piping and welding symbols, as well as other essential data.

The Pocket Guide is available from NFPA online at www.nfpacatalog.org or by calling toll-free 800-344-3555.



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. We anticipate that the guideline will be available for release in September.

The official amendment will appear in the *The Ontario Gazette* on August 25, 2001.

**Elmer
believes in
safety...**

**and
so does
Liberty
Mutual!**



**Elmer
croit à la
sécurité
et
Liberty
Mutual
aussi!**

www.elmer.ca
www.safety-council.org

Liberty Mutual's commitment

to help make communities safer continues with its official sponsorship of Elmer the Safety Elephant®. With our partner the Canada Safety Council, we offer programs on school bus, bike and internet safety. Contact the Liberty Mutual office near you for more information.

En vue de contribuer à une meilleure

sécurité dans les communautés, l'engagement de Liberty Mutual se poursuit avec sa commandite officielle d'Elmer, l'Éléphant prudentSM. En collaboration avec notre partenaire, Conseil canadien de la Sécurité, nous offrons des programmes sur la sécurité dans les autobus scolaires, à vélo et pour les internautes. Communiquez avec le bureau de Liberty Mutual le plus près de chez vous pour obtenir de plus amples renseignements.

Group Savings Plus[®]

For a free, no obligation quote, call 888.415.8500.

Automobile, Habitation, *Avantages Collectifs Plus^{MD}*

Pour une soumission gratuite et sans aucune obligation, composez 888.415.8500.

HELPING PEOPLE LIVE SAFER, MORE SECURE LIVES

**UNE AIDE AUX GENS POUR UNE VIE SAINTE,
PLUS SÛRE ET PLUS SÉCURITAIRE.**

www.libertymutualcanada.com



Elmer the Safety Elephant is a registered trademark of the Canada Safety Council.

Fire Risk Analysis Rating System

(this article was graciously submitted by Toronto Fire Chief Alan Speed)

The ULC Fire Service Research Committee is pleased to announce the availability of a Fire Risk Analysis System, designed to provide pertinent information to the protector and the protected as a means of enhancing safety from fire in individual properties. However, it is not intended as a means of assessing community fire safety as a whole.

The Fire Risk Analysis System is a standardized and comprehensive method of determining the level of risk fire poses for individual properties and of expressing the results in the form of a numerical rating.

Also, in situations where risk reduction is needed, the weighted ratings assigned to each specific item are a convenient means of selecting the most effective risk reduction measures to implement.

The ratings have been assigned and weighted in consideration of the criteria contained chiefly in the current editions of the National Building Code of Canada, and the National Fire Code of Canada. The applicable passages of these codes are referenced for convenience of use. It is recognized that any building under consideration may have been previously assessed in consideration of the codes applicable at the time of its construction, or following a retroactive incorporation of changes pertaining to such codes. In instances where any feature of the property either exceeds requirements or does not meet requirements, with respect to the current edition of the applicable codes, points are assigned to provide an approximate assessment

of the significance of such a finding and its relative importance in the overall fire protection of the building.

It is further designed to assist in analysing fire risk factors and fire protection requirements for particular buildings with a high degree of objectivity that yields a numerical rating, and where shortcomings are observed, to identify means of counterbalancing the deficiencies. It is not intended to serve as a means of waiving compliance with applicable codes, statutes and regulations, and/or provide a definitive analysis of the fire hazard of a particular building beyond that which is provided for through an assessment against existing codes, statutes or regulations.

During the developmental stages of the ULC Fire Risk Analysis System, the committee field tested it at various locations across the country. As a result of the positive application in the field we received the following testimonial: "The Fire Marshal's Office of Nova Scotia has used the Fire Risk Analysis System to measure the level of fire safety in nursing homes. The program has proven to be a valuable tool, assisting the fire prevention specialist in concentrating on the critical and valid issues related to increasing fire safety."

Members of the Fire Service Research Committee believe this new system will be a great asset to many fire service organizations and those who have the responsibility for fire risk analysis. Available in hard copy or electronic format from ULC at 1-800-INFO-ULC (463-6852) or visit the ULC Website at www.ulc.ca.

Welcome to the following New Members



MEMBER

John Sharpe
Pro-Firestop

STUDENT

Salvador Maltez
Algonquin College



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**

Name

Company

Address

City

Prov

Postal Code

Phone

Fax

E-mail

Website

Would you prefer to change to lunch meetings?

Would you prefer to keep dinner meetings on Wednesday evening?

Comments:

**(Please return to the CFSA office on or before November 1, 2001)
Fax: (416) 491-1670**



Canadian Fire Safety Association Corporate Members

AD FIRE PROTECTION SYSTEMS INC.

TORONTO, ON (416) 292-2361
Janet O'Carroll
Don Falconer
Stevo Miljatovick

ALARM SYSTEMS DIV. OF QUINTE

BELLEVILLE, ON (613) 969-5100
Dwain Hilts

ASTERIX SECURITY HARDWARE INT.

MISSISSAUGA, ON (905) 672-1245
David Chan

ATLANTIC PACKAGING PRODUCTS

TORONTO, ON (416) 297-2261
Gordon Varey

BRAMPTON FIRE & EMERGENCY SERVICE

BRAMPTON, ON (905) 874-2746
Brian Maltby
Linda Pierce
Verrall Clark

CANADIAN FORCES HOUSING AGENCY

OTTAWA, ON (613) 998-4817
Wendy Weglo

CDN. AUTOMATIC SPRINKLER ASSC.

MARKHAM, ON (905) 477-2270
Larry J. Fronczak
John Galt

CARLON FIRE EQUIPMENT SERVICES

MARKHAM, ON (905) 477-3265
Paul Jewett
Jeffrey Phillips
Thomas Martin

CITY OF NORTH YORK BLD. DEPT.

TORONTO, ON (416) 395-7562
Fred Bruyey
Lee Salvati
Charles Meldrum

CITY OF TORONTO-BUILDING DEPT.

TORONTO, ON (416) 392-7608
Irene Moore

DON PARK FIRE PROTECTION SYST.

TORONTO, ON (416) 743-9635
Jerry Nicosia
Ron Anthony

DURABOND PRODUCTS LTD.

TORONTO, ON (416) 759-4474
Guido Rapone

DURASYSTEMS BARRIERS INC.

VAUGHAN, ON (905) 660-4455
Tim Martin
Patrick Craig

EDWARDS SYSTEMS TECHNOLOGY

OWEN SOUND, ON (519) 376-2430
Flavian Quiquero

EVER READY CLOSURES INC.

CONCORD, ON (905) 669-9111
George Perlin

EXTENDICARE HEALTH SERVICES

MARKHAM, ON (905) 470-1400
Daniel A. Woods

FIRE DETECTION DEVICES LTD.

RICHMOND HILL, ON (905) 709-0921
Jack Duggan

FIRE MONITORING SERVICES

TORONTO, ON (416) 964-8916
Norman Cheesman

FIRE PROTECTION SERVICES

TORONTO, ON (416) 954-2876
Randy De Launay
Mark Kohli
Raymond Fung

GREATER TORONTO AIRPORT AUTH.

MISSISSAUGA, ON (905) 676-4515
Mark Regimbald

GRINNELL FIRE PROTECTION SYST.

MISSISSAUGA, ON (905) 890-1440
Randy Clark
John Meekings
Tim Maxwell

HALSALL ASSOCIATES LTD.

TORONTO, ON (416) 487-5256
Jay Leedale, P.Eng.
Daniel Templeton, P.Eng.
Michael Van Dusen, P.Eng.

HARDING FIRE PROTECTION

TORONTO, ON (416) 292-0533
Paul Adams
Paul Harding
Fred Lutz

INS. ADVISORY ORGANIZATION INC.

TORONTO, ON (416) 601-1801
Bruce W. Gilder
Mike McKenna
Joe Pearson

LEBER/RUBES INC.

TORONTO, ON (416) 515-9331
Fred Leber
Jon Winton
Rick Mori

LIBERTY MUTUAL INSURANCE

Unionville, ON (800) 268-6418

LIFE SAFETY SYSTEMS INC.

MISSISSAUGA, ON (905) 542-2223
Ian Folkes
John Hurdis
Glen Nagle

METRO TORONTO HOUSING AUTHORITY

TORONTO, ON (416) 969-6113
Terry Thibeault
Chris Wood
George Pangborn

MIRCOM TECHNOLOGIES LTD.

VAUGHAN, ON (905) 660-4655
Don Faulkner
Elio Abbondandolo

MORRISON HERSHFIELD

NORTH YORK, ON (416) 499-3110
David Hribar
Al Graham
Demir Delen

NADINE INTERNATIONAL INC.

MISSISSAUGA, ON (905) 602-1850
Ajwad Gebara



Canadian Fire Safety Association

Corporate Members (cont'd)

NATIONAL FIRE PROTECTION ASSOC.

QUINCY, MA (617) 770-3000
George Miller
Albert Sears Jr.

O & Y ENTERPRISE

TORONTO, ON (416) 596-8562
Robert Doyle
Andrew Pritchard
Ron Hallawell

OFFICE OF THE FIRE MARSHAL

TORONTO, ON (416) 325-3100
Bev Gilbert
Al Suleman
Doug Crawford

OFS FIRE PREVENTION

BARRIE, ON (705) 728-5289
Jeff Ough
Peter Ironside

ONTARIO POWER GENERATION INC.

Toronto, ON (905) 839-1151
Nick Ivanoff
Brian Helson
Scott Cameron

ONT. PROF. FIREFIGHTERS ASSN.

BURLINGTON, ON (905) 681-7111
Wayne De Mille

PATRICK PLASTICS INC.

VAUGHAN, ON (905) 660-9066
Frederick Halpern
Tony Tam
James Chan

PETERBOROUGH FIRE DEPARTMENT

PETERBOROUGH, ON (705) 745-3281
Lee E. Grant
Eric Chant
Greg Simmons

PROTECOM LIMITED

RICHMOND HILL, ON (905) 773-0424
Roy Armstrong

PYRENE CORPORATION

MARKHAM, ON (905) 940-8080
David McLaren

PYROTENAX

NORTH YORK, ON (416) 791-2413
Rick Florio
Jeff Cade

RANDAL BROWN & ASSOCIATES LTD.

WILLOWDALE, ON (416) 492-5886
Randal Brown
David Johnson
Jim Cleary

ROXUL INC.

MILTON, ON (905) 875-9319
John Evans

ROYAL QUICKSTOP FIREPROTECTION

WOODBIDGE, ON (905) 856-7550
Brian Didone
Walter Milani, P.Eng.

SARGENT OF CANADA LTD.

MARKHAM, ON (905) 940-2040
Murray Lewin

SENECA COLLEGE OF APPLIED ARTS

NORTH YORK, ON (416) 491-5050
George Hejduk
Stu Evans
Anthony Van Odyk

SIEMENS-CERBERUS DIVISION

RICHMOND HILL, ON (905) 764-8384
Andrew Hewitson
Al Hess
Don Boynowski

SIMPLEX INT. TIME EQUIPMENT

MISSISSAUGA, ON (905) 212-4400
Michael Hugh
Steve Dickie

THERMOFIRE SYSTEMS INC.

OAKVILLE, ON (905) 469-0063
Mike McClure

TORONTO FIRE SERVICES

TORONTO, ON (416) 397-4333
Alan Speed, Fire Chief
Terry Boyko, Dep. Chief
Jack Collins, Div. Chief

TORONTO HOUSING COMPANY

TORONTO, ON (416) 392-6137
Rainer Soegtrop

TORONTO TRANSIT COMMISSION

TORONTO, ON (416) 393-3020
Duncan C. Harrop
Stephen Fowlds
Willie Sturm

TOWN OF MARKHAM, BLDG. DEPT.

MARKHAM, ON (905) 477-7000
Chris Bird
Tony Boyko
John Wright

TOWN OF RICHMOND HILL

RICHMOND HILL, ON (905) 737-5370
Michael Leonard
David Finbow

TYCO FIRE PRODUCTS/CENTRAL SPRINKLER COMPANY

GUELPH, ON (519) 763-2766
Bryan Callaghan

UNDERWRITERS' LAB. OF CANADA

TORONTO, ON (416) 757-3611
Brian Murphy
Dorothy Howells
Tony Crimi

VAUGHAN FIRE & RESCUE SERVICE

VAUGHAN, ON (905) 832-8506
Glenn Duncan
John Sutton
Andrew Wong

VESUVIUS CANADA

SARNIA, ON
BOB Mitchell

VIPOND FIRE PROTECTION INC.

MISSISSAUGA, ON (905) 564-7060
Larry Keeping

SIEMENS



There are no guarantees in life, but luckily, there is one in life safety.

Presenting the remarkable *No False Alarm Guarantee* provided with every FirePrint™ intelligent fire detector. It's your assurance that FirePrint can identify a true fire emergency with unmatched speed, accuracy and false alarm resistance. **Or we'll pay any fine levied in connection with a false alarm caused by a FirePrint detector.**

Priced like a regular detector, it operates like nothing else. FirePrint outperforms standard photo, thermal, ionization or combination detectors—sensing smoke and heat, and instantly distinguishing real threats from deceptive phenomena like cigarette smoke or dust. FirePrint is easily set to work in the widest range of environments in the industry. Plus, it's compatible

with our MXL Series of intelligent fire detection systems.

To see how **Siemens Building Technologies, Inc.**, Cerberus Division, can make life safety even safer with the FirePrint intelligent fire detector, call 905-799-9937, 1-800-268-6831, fax 905-799-9858 or visit www.cerbpyrc.com