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QUARTERLY

FIRE MARSHALS



FIRE MARSHALS ASSOCIATION OF NORTH AMERICA • September 1997

**Fire Safety Tomorrow
Our Mission Today**

**1997 NFPA Fall Meeting
Kansas City, Missouri
November 15-19, 1997**



PROVIDING NATIONAL LEADERSHIP FOR FIRE MARSHALS SINCE 1906

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Fire Marshals Quarterly
(617) 984-7424
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We encourage you to send items of interest to:
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(304) 293-6924
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Coming Events

(For more information on any of these events, contact the appropriate sponsoring organization or FMANA Executive Secretary Ben Roy.)

October

- 5 Fallen Fire Fighter Memorial Service. National Fire Academy, Emmitsburg, MD.
- 5-11 National Fire Prevention Week, "Know When to Go: React Fast to Fire."
- 23-25 State and Provincial Fire Marshals Forum. NFPA Headquarters, Quincy, MA.
- 27-31 NFPA Continuing Education Seminars, NFPA 101®, *Life Safety Code*® (1997 edition); NFPA 13, *Automatic Sprinkler Systems*; NFPA 70, *National Electrical Code*®; and NFPA 72, *National Fire Alarm Code*. Portland, OR.

November

- 3-7 NFPA Continuing Education Seminars, NFPA 101, *Life Safety Code* (1997 edition); NFPA 13, *Automatic Sprinkler Systems*; NFPA 70, *National Electrical Code*; and NFPA 72, *National Fire Alarm Code*. Denver, CO.
- 15-18 Fire Service Seminars and Workshops. Kansas City, MO. (See related story in this edition of *Quarterly*)
- 15 FMANA Chapter Representatives Meeting. Kansas City, MO.
- 16-19 NFPA 1997 Fall Meeting. Kansas City, MO.
- 16 FMANA Executive Board Meeting. Kansas City, MO.
- 17 FMANA Business Meeting. Kansas City, MO.

FMANA Membership: Tell a Friend!

Do you have friends or professional colleagues who might benefit from becoming a member of the Fire Marshals Association of North America?

Please remind them that FMANA is an organization of professional people with the goal of minimizing loss of life and property by fire through education in fire prevention fundamentals, enforcement of fire laws, investigation of fire causes, and regulation of fire hazards.

As you know, FMANA members are required to be members of the National Fire Protection Association. The NFPA annual dues (\$95) cover your FMANA membership.

For more information, write:
Executive Secretary Ben Roy
FMANA
1 Batterymarch Park
Quincy, MA 02269-9101
or call (617) 984-7424

Have a Story to Tell?

The Fire Marshals Association of North America is looking for a few good writers! We're trying to make the *Quarterly* a more member-oriented newsletter, and we'd like to hear from you. In an effort to encourage more participation among section members, we're offering a free FMANA golf shirt to anyone who submits an article that is printed in *Quarterly*. How can you lose? Please send all submissions to:

Ben Roy
Executive Secretary
P.O. Box 600
Smyrna, DE 19977

State Fire Marshals in the News

Rhode Island

The Rhode Island State Fire Marshals Office has recently relocated. The new address is Quonsett/Davisville Industrial Park, 24 Conway Avenue, North Kingstown, RI 02852. The new phone and fax numbers are, respectively, (401) 294-0861 and (401) 295-9092.

The Washington Scene

by Sara Yerkes, Director of Government Affairs

Educating the Public and Employees on Propane Safety

On October 11, 1996, President Clinton signed the "Propane Education and Research Act of 1996." The intent of this legislation, now PL 104-284, was to create a Propane Education and Research Council under the guidance of the U.S. Department of Energy. Before such a council could be formed, the legislation required industry approval. This past spring, the National Propane Gas Association and the Gas Processors Association conducted a referendum, and their members voted in favor of the council. Council members were selected and the first meeting was held in July.

The council will develop programs that enhance consumer and employee safety and training, that provide research and development of clean and efficient propane-fueled equipment, and, in general, that inform the public about safety issues associated with propane. Assessments collected from the industry, one-tenth of one cent per gallon of odorized propane, will fund these programs. The first collection of assessments will begin in early 1998.

Volunteer Protection from Trivial Lawsuits

Another new law of interest not only to volunteer firefighters but to all who volunteer for not-for-profit groups, the "Volunteer Protection Act of 1997," has been organized for charitable, civic, educational, religious, welfare, and health purposes. The passage of this legislation came after 11 years of congressional consideration of whether volunteers needed more protection from needless and unfair lawsuits.

The House Judiciary Committee reported that liability insurance costs for nonprofit organizations rose an average of 155 percent from 1985 to 1988, and one-in-eight organizations reported an increase of more than 300 percent. Opponents of the law argued that most states already have tort reform legislation in place, but H.R. 911, the enabling legislation, had heavy support from mayors, governors, and President Clinton. It passed with an overwhelming 390-35 vote in the House and a unanimous voice vote in the Senate. President Clinton signed H.R. 911 into law on June 18 (Public Law 105-19).

Fire-Safe Home Guide

The National Consumers League recently released a safety guide for people who intend to build a new home or want to renovate an older house. It provides tips on how to avoid the dangers of fire associated with hazardous materials, electrical wiring, etc. It also provides information on fire detection, suppression systems, and use of fire extinguishers. To obtain a copy, write to the National Consumers League at 1701 K Street, NW, Suite 1200, Washington, D.C. 20006; call (202) 835-3323; or fax (202) 835-0747.

Anti-Terrorism Training for Firefighters and Emergency Responders

Although the application deadline for this program will be past due by the time you receive this newsletter (the deadline was August 7), we're reporting this as an update on the Anti-Terrorism and Effective Death Penalty Act of 1996 (PL 104-208). This law earmarked \$5 million for anti-terrorism training for firefighters and emergency responders.

In the June 3 Federal Register, the U.S. Department of Justice (DoJ) announced the availability of these funds for a competitive grant program. DoJ encouraged state and local agencies that have innovative first responder training programs to apply. Applicants were required to demonstrate how their existing programs help urban jurisdictions train first responders on terrorism and the use of mass-destruction weapons, such as chemical and explosive devices. The primary objective of the demonstration project should be to develop a training program that can be easily replicated in other metropolitan jurisdictions.

Children's Sleepwear Delays

Retailers and manufacturers admitted that they don't know how to make snug-fitting cotton sleepwear that meets the Consumer Product Safety Commission's recently amended children's sleepwear standard. NFPA and others objected to the amended standard, which was based on the premise that untreated cotton sleepwear can be made safe if "tight fitting" on children and infants.

At a CPSC meeting on June 4, retailers outlined their concerns about body measurements, fabric shrinkage, and manufacturing tolerances. Based on recent tests, retailers have reached the following conclusions: correct-fitting cotton sleepwear is necessary, consumers should be educated about tight-fitting cotton sleepwear, and the CPSC should evaluate its current ruling, which retailers claim is not technologically practical.

Manufacturers, on the other hand, met with CPSC on June 26 and proposed new ways to measure the legs, arms, thighs, waist/hip, and diaper ease for children and infants, and they requested an additional 12-month extension to March 1999 (the original compliance date was January 1997).

The CPSC is considering these proposals and requests. Stay tuned!

From the President's Desk

by Robert Melton, FMANA President

Thank you for giving me the opportunity to serve as your president. It's a great honor, and I look forward to working with all of you this coming year.

I want to express my gratitude to my predecessor, Wade Schaefer, for the outstanding leadership he has provided FMANA, both as president and as an Executive Board member for many years. Also, I'd like to welcome aboard two new Executive Board members—Fire Marshal Ron Farr from Kalamazoo, MI, and Chief Fire Protection Engineer John Bender of the Maryland State Fire Marshals Office. As always, the hard work and dedication of our Executive Secretary Ben Roy is appreciated. His sage advice and experience helps our organization move in the proper direction.

The mission statement of the Fire Marshals Association of North America is "to aid in the preservation of life and property by advocating, promoting, and providing leadership in the prevention or mitigation of fire, explosions, and other related hazardous conditions." Our master plan keeps us focused on our mission. Each year, our Executive Board develops a work plan (see the December 1996 *Fire Marshals Quarterly* for the 1997 work plan) that covers the eight broad-based goals of our master plan.

This year, one of the objectives of our work plan is to encourage each FMANA member to recruit at least one new member. With a single national fire code in sight, FMANA should be in a position to grow substantially since we're the only national organization for fire marshals and code enforcers. We now have approximately 1,600 members and 13 chapters. If each of you encourages just one code enforcement colleague to become an NFPA member and join FMANA, our growth rate could be phenomenal. Encouraging statewide or regional fire prevention organizations to apply for a FMANA chapter would also be a tremendous assist to reaching our goal. With increased membership, our influence on national code and fire safety issues will become even stronger.

Exciting things are happening in our education efforts. A Fire Protection Institute course was held in Ft. Lauderdale in March and another was held in Denver in July. Second Vice President Jim Crawford, who is the chair of our Education Committee, has been coordinating a Fire Protection Institute management course to teach skills that fire marshals need in this era of shrinking budgets and increasing responsibilities. The course is being designed in segments so that it can be taught either all at once, a segment at a time, or in a combination of segments. The pilot testing of this course was held in August.



Regarding the single national fire code, things are moving at a fast pace. In February, NFPA and ICC signed a joint agreement to write and publish an *International Fire Code (IFC)*. According to the *IFC* Scoping Committee, the scope of the fire code includes any topic covered by any of the four model fire codes currently in use.

The *IFC* Drafting Committee has met twice and has three additional meetings scheduled. The second meeting was held in the Dallas-Fort Worth area from May 29 through 31, and I attended as an observer. It was encouraging to see representatives of all four model code groups working together to reach consensus on what the *International Fire Code* should contain. A working draft is expected by this fall. The ICC has a draft of the *International Building Code* available for review.

The *International Fire Code* Council is the body who will oversee the fire code-making process. It is made up of one representative from the following organizations: FMANA, NFPA, IFCA/ICBO, SBCCI, BOCA, the National Association of State Fire Marshals, the International Association of Fire Chiefs, the Metro Chiefs, and the Canadian Association of Fire Chiefs. New Executive Board member John Bender has been appointed as our representative to the *IFC* Council. He is also a member of the NFPA 1 Technical Committee and was a member of the FMANA Task Force, which submitted a total rewrite of NFPA 1 to the technical committee in 1989. John will do an excellent job as our representative. Also, Executive Board Second Vice President Jim Crawford represented NFPA on the Scoping Committee.

FMANA has been and will continue to be very active in the single fire code issue.

Executive Secretary's Corner



by Ben Roy

Included in this edition of *Quarterly* is an article on the upcoming NFPA 1997 Fall Meeting as well as FMANA activities scheduled to take place during that meeting.

You will note that the format of the Fall Meeting has changed significantly and now offers several fire service seminars and workshops covering a wide variety of interests.

FMANA activities include an Executive Board/Chapter Representative meeting on Saturday; a FMANA Educational Committee Meeting on Sunday morning; a FMANA Executive Board Meeting on Sunday afternoon; and a FMANA Business Meeting and combined session with the Education Section on Monday.

We hope you join us in Kansas City.

Robert Melton Elected FMANA President

During the Association's Annual Business Meeting held on May 19 in Los Angeles, Robert Melton was elected president of the FMANA. Bob is the Dallas fire marshal and is an extremely active member of the FMANA Executive Board.



Other elected officers include Alabama State Fire Marshal John Robison, first vice president; Portland, OR, Fire Marshal Jim Crawford, second vice president; and Los Angeles Deputy Chief Davis Parsons, secretary.

Additionally, Michigan State Fire Marshal Wade Schaefer assumed the position of past president.

Fire Marshal Paul Little from Lethbridge, Alberta, Canada, was re-elected to a two-year term on the Executive Board.

Newly elected members to the Executive Board are John Bender, chief fire protection engineer at the Maryland State Fire Marshal's Office, for a two-year term, and Ron Farr, fire marshal of Kalamazoo Township, MI, for a one-year term (filling the unexpired term of Jim Crawford).

These are the leaders of your Association for the coming year. With your participation and support, they'll do an excellent job.

Scholarship Fund Established in Honor of Sarah Bryan

John Bryan, professor emeritus in the department of Fire Protection Engineering at the University of Maryland at College Park and department chair from 1956 to 1993, has established a scholarship fund in honor of his wife, Sarah Bryan, of Frederick, MD, who served the university for 15 years in several capacities.

"Sarah Bryan thought that the University of Maryland, College Park, was 'the place' for women to pursue an outstanding career like fire protection engineering," said Steven Spivak, chair of Fire Protection Engineering. "This scholarship is a lasting tribute to Sarah Bryan, who shared, along with her husband, a unique educational vision for fire protection engineering."

Sue Kernan, who Sarah Bryan worked for before retiring from the communication and business services department, remembers Sarah Bryan very fondly. "She was a colleague and friend who deeply touched my life," Kernan explained.

In addition to being very creative and accomplished, Kernan said, she was committed to the student mission and an advocate on their behalf. She was also a strong role model and catalyst for other members in the unit, Kernan said. "I can still hear what her words might be and I have a good chuckle when I think of what her reaction might be to certain situations and the way in which she brought people together."

The Sarah B. Bryan Memorial Scholarship will be awarded for the first time in the fall of 1997, and annually thereafter will support a female undergraduate or graduate student in the Department of Fire Protection Engineering. The recipient must be a junior, senior, or graduate student and will be chosen based

on academic standing and the recommendation of a departmental faculty member.

Spivak said this scholarship demonstrates the increasingly important recognition and contribution of women fire protection engineers. The fund is already sufficient to endow the Sarah Bryan scholarship with at least \$3,000 a year, he explained. "The extraordinary outpouring of financial support for this scholarship reflects not only our community's recognition of Sarah Bryan as a person, but a commitment to bringing outstanding women in the field of fire protection engineering," he said.

Got a Question?

Who to call at the NFPA's Public Fire Protection Division:

Gary Tokle, assistant vice president, (617) 984-7490

Carl Peterson, assistant director, (617) 984-7485
(apparatus and equipment, fire reporting)

Jim Smalley, (617) 984-7483

(forestry, urban, and wild land interface)

Bruce Teele, (617) 984-7482

(protective clothing and equipment, fireboats)

Jerry Laughlin, (617) 984-7480 (fire investigation, fire fighting professional qualifications)

Chuck Smeby, (617) 984-7420

(hazmats and training, NBFSPQ)

Stephen Foley, (617) 984-7481 (fire department occupational health & safety, public fire service organization)

Steven Sawyer, fire code coordinator, (617) 984-7423

Ben Roy, (617) 984-7424

Fire Marshals Association of North America

Staff members in the Public Fire Protection Division are responsible for more than 80 NFPA codes and standards and four NFPA Member Sections.

Codes and Standards Information Update

Technical Committee Meeting Calendar

Many of you have asked that we include a calendar of technical committee meetings in the *Quarterly*. We are pleased to include this important addition. You're encouraged to attend these meetings to learn more about the NFPA's codes- and standards-making process. If you wish to address a technical committee on a specific subject, you should make your request in writing to the committee chair or Staff liaison at least 21 days before the meeting (the 21-day notice may be waived by the chair). Please contact the FMANA executive secretary or the technical committee staff liaison for specific meeting locations.

Committees Soliciting Proposals

The following committees are planning to prepare their respective reports. In accordance with the Regulations Governing Committee Projects, committees are now accepting proposals for recommendations on content on the documents listed below. Proposals received by 5:00 p.m. EDST/EST on the closing date indicated will be acted on by the committee and that action will be published in the committee's report. Proposals must be submitted to Standards

Administration Division, NFPA Standards Council, on proposal forms available from the NFPA Standards Administration Office. (NOTE: For information on specific committee meeting dates, see the "Committee Calendar" printed in this issue or call NFPA Standards Administration.) Please note that for new documents, a draft copy of the new document will be available on which to submit proposals. Copies of new document drafts are available from the Standards Administration Office, NFPA, 1 Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101.

NFPA 13-1996	<i>Installation of Sprinkler Systems</i>	1/2/98
NFPA 13D-1996	<i>Installation of Sprinkler Systems in One-and Two-Family Dwellings and Manufactured Homes</i>	1/2/98
NFPA 45-1996	<i>Fire Protection for Laboratories Using Chemicals</i>	1/2/98
NFPA 54-1996	<i>National Fuel Gas Code</i>	1/2/98
NFPA 59A-1996	<i>Liquefied Natural Gas (LNG)</i>	1/2/98
NFPA 61-1995	<i>Fires and Dust Explosions in Agricultural and Food Products Facilities</i>	1/2/98
NFPA 72-1996	<i>National Fire Alarm Code</i>	1/2/98
NFPA 77-1993	<i>Static Electricity</i>	12/5/97
NFPA 86-1995	<i>Ovens and Furnaces</i>	1/2/98

continued on page 8

1997 Coming Events Committee Calendar

October

- 1-2 Cutting and Welding Practices, Cincinnati, OH
- 1-3 Recreational Vehicles, Indianapolis, IN
- 2-3 Fire Doors and Windows, Cincinnati, OH
- 2-4 Disaster Management, Cincinnati, OH
- 7 Electrical Standard for Industrial Machinery, NFPA Headquarters, Quincy, MA
- 10-11 NFPA Standards Council, London, England
- 12 Foam-Water Sprinklers, Indianapolis, IN
- 12-23 International Electrotechnical Commission Annual Meeting, Houston, TX
- 16-17 Cultural Resources, San Francisco, CA
- 16-18 Lightning Protection, Las Vegas, NV
- 21 Electrical Safety Requirements for Employee Workplaces, Toronto, Canada
- 21 Water Tanks, NFPA Headquarters, Quincy, MA
- 21-23 Wood, Paper and Cellulosic Dusts, Norwood, MA

- 23-25 Fire Department Apparatus, Charlotte, NC
- 23-28 Professional Qualifications Committees, Tampa, FL
- 28 Electrical Equipment Maintenance, St. Louis, MO

November

- 3-5 Venting Systems/Cooking Appliances, Cincinnati, OH
- 6-8 Fire Service Occupational Safety, Salt Lake City, UT
- 6-13 Committee Week, Salt Lake City, UT
- 16 NFPA Standards Council, Kansas City, MO (tentative)

December

- 1-13 *National Electrical Code*®, San Diego, CA
- 2-5 Rack and General Storage, Las Vegas, NV
- 7-9 National Fire Alarm Code, Tampa, FL

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NFPA 86C-1995	<i>Industrial Furnaces Using a Special Processing Atmosphere</i>	1/2/98
NFPA 86D-1995	<i>Industrial Furnaces Using Vacuum as an Atmosphere</i>	1/2/98
NFPA 92A-1996	<i>Smoke-Control Systems</i>	1/2/98
NFPA 92B-1995	<i>Smoke Management Systems in Malls, Atria, and Large Areas</i>	1/2/98
NFPA 101®-1997	<i>Safety to Life from Fire in Buildings and Structures®</i>	4/3/98
NFPA 220-1995	<i>Types of Building Construction</i>	1/2/98
NFPA 251-1995	<i>Fire Endurance of Building Construction and Materials</i>	7/3/98
NFPA 253-1995	<i>Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source</i>	7/3/98
NFPA 255-1996	<i>Surface Burning Characteristics of Building Materials</i>	7/3/98
NFPA 257-1996	<i>Fire Test for Window and Glass Block Assemblies</i>	7/3/98
NFPA 269-1996	<i>Toxic Potency Data for Use in Fire Hazard Modeling</i>	7/3/98
NFPA 297-1995	<i>Principles and Practices for Communications Systems</i>	1/2/98
NFPA 326-1993	<i>Underground Storage Tanks</i>	1/2/98
NFPA 327-1993	<i>Cleaning or Safeguarding Small Tanks and Containers Without Entry</i>	1/2/98
NFPA 328-1992	<i>Flammable and Combustible Liquids and Gases in Manholes, Sewers, and Similar Underground Structures</i>	1/2/98
NFPA 329-1992	<i>Underground Releases of Flammable and Combustible Liquids</i>	1/2/98
NFPA 721-P*	<i>Fuel Gas Warning Equipment</i>	8/14/98
NFPA 750-1996	<i>Water Mist Fire Protection Systems</i>	1/2/98
NFPA 850-1996	<i>Fire Protection for Electric Generating Plants and High Voltage Direct Current Converter Stations</i>	7/3/98
NFPA 851-1996	<i>Hydroelectric Generating Plants</i>	7/3/98
NFPA 1221-1994	<i>Public Fire Service Communication Systems</i>	1/2/98
NFPA 1231-1993	<i>Water Supplies for Suburban and Rural Fire Fighting</i>	1/2/98
NFPA 1901-1996	<i>Automotive Fire Apparatus</i>	1/2/98
NFPA 1936-P*	<i>Hydraulic Powered Rescue Tools</i>	1/2/98
NFPA 1971-1997	<i>Protective Ensemble For Structural Fire Fighting</i>	1/2/98
NFPA 1976-1992	<i>Protective Clothing for Proximity Fire Fighting</i>	1/2/98
NFPA 1983-1995	<i>Fire Service Life Safety Rope and System Components</i>	1/2/98
NFPA 2001-1996	<i>Clean Agent Fire Extinguishing Systems</i>	1/2/98

P* Proposed NEW drafts are available from the NFPA Standards Administration Division, P.O. Box 9101, 1 Batterymarch Park, Quincy, MA 02269-9101.

Proposals and Comments on the NFPA Web Site!

You can now view current proposals and comments as an NFPA code or standard revision cycle is in process by visiting the "Codes and Standards Home" on NFPA's home page (<http://www.nfpa.org>). This section of NFPA's web site has been designed to respond to the needs of committee members and submitters of proposals and comments. You can search proposals or comments by submitter name, document, action, or a word or phrase. Completed ROP/ROC files for individual codes or standards are available for download in Acrobat Reader format.

To access the proposals and comments for a document, first go to the particular document's home page, which can be reached by entering a document number or by selecting a meeting, such as Fall 1997, to get a list of documents. You can also type a word or phrase from the document title to bring up a list for selection. Pertinent information about the document is displayed on the home page, such as the number of proposals/comments available for on-line viewing, the closing dates for submittal, the cycle (with links to a page about the meeting dates and location), and the files available for download. The completed ROP, ROC, or a proposed draft for a newly proposed document will be available in Acrobat format for download when they are ready for distribution. As a useful feature, you can enter your E-mail address to receive notification when a document is updated.

Omega Sprinkler Update

The issues surrounding Central Sprinkler's Omega model sprinklers continue. Since last summer, Central Sprinkler Company, Underwriters Laboratories, Inc., (UL), and others have been investigating field reports of nonactivations of some Omega Series fire sprinklers manufactured by Central Sprinkler Company and listed by UL.

According to a news release issued by UL on May 19, UL's evaluations "support the need for testing all existing sprinkler installations in commercial and residential occupancies having Omega Sprinklers." UL's recommendation for operational testing or representative field samples taken from existing sprinkler systems includes "all Omega Series models: C-1; C-1A; C-1A PRO; C-1A PRO ID; EC-20; EC-20A; EC-20 AID; HEC-12; HEC-12 ID; HEC-12 PRO; HEC-12A PRO; HEC-12 RES; HEC-20; HEC-20 ID; R-1; R-1A; R-1M; AC; M and Flow Control."

For more information, contact Central Sprinkler Company at (800) 523-6512 or UL at (847) 272-8800.

To reach the NFPA via the INTERNET

Customer Service

Custserv@NFPA.org

FMANA

FMANA@NFPA.org

Fire Investigations

Investigations@NFPA.org

International Department

NFPA_international@NFPA.org

Library

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NFPA Journal

NFPAJournal@NFPA.org

NFPA Update

NFPAUpdate@NFPA.org

One-Stop Data Shop

OSDS@NFPA.org

Public Affairs

Public_affairs@NFPA.org

Public Fire Protection

Publicfire@NFPA.org

Research Foundation

NFPAresfdn@NFPA.org

In addition, you may reach the NFPA's regional offices at the following Internet addresses:

New England

Gkeith@NFPA.org

Southern

Ogreene@NFPA.org

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Washington, D.C.

WDC@NFPA.org

NFPA's Site on the World Wide Web:

Uniform Resource Locator (URL)

<http://www.nfpa.org>

FMANA Merchandise for Sale

We're pleased to offer merchandise that allows you to proudly display your affiliation with FMANA. If there's enough interest, we'll be adding to this line of merchandise. Please let us know what you think.

FMANA Golf Shirt

The golf shirt is a 50% cotton/50% polyester blend and is machine washable. The shirt is white, features a three-color embroidered FMANA logo, and is available in sizes small, medium, large, and extra large. The price is \$26.95, which includes shipping and handling.



FMANA Lapel Pin

The lapel pin measures 7/8-inch and features a two-color FMANA logo on a brass background. The price is \$3.00, which includes shipping and handling.



Please use this coupon to order FMANA materials.

Return the coupon to FMANA, Dept. ORD, P.O. Box 600, Smyrna, DE 19977.

Please send me:

_____ FMANA lapel pins @ \$3.00 ea.

_____ FMANA golf shirts @ \$26.95 ea. in the following

sizes:

_____ small

_____ medium

_____ large

_____ extra large

NOTE: All prices are U.S. funds.

Enclosed is a check for \$_____

Please make check payable to FMANA

Please send merchandise to:

Name _____

Address _____

Calabasas Incident Leads to Significant Recommendations for Increased Firefighter Safety and Command and Control Issues

by Davis Parsons
Deputy Chief, Los Angeles City Fire Department

In October 1996, the County of Los Angeles experienced another in a string of significant wildland/urban interface fires. The fire became known as the "Calabasas Incident." The cities of Glendale and Los Angeles were among those that provided resources in the form of Type I strike teams and overhead personnel.

As a result of bad luck and severe fire conditions, a number of fire companies were entrapped on a mid-slope road by a wide front of fire with flame lengths exceeding 150 feet. Of the 12 firefighters most severely exposed, five suffered burns from minor to major in degrees of injury, and another five suffered severe smoke inhalation. For a significant period of time, one of the burned firefighters was close to death.

Why, you ask, is this fire subject matter for an article in the FMANA *Quarterly*? There are three reasons, really. First, as fire marshals, many of us become involved in emergency scene management, and most have our roots in the defensive or suppression aspect of our profession. Second, as fire marshals, regardless of the scope of our responsibilities or the origin of our path to fire marshaldom, we are involved in the promulgation and enforcement of fire safety legislation. Third, as participants in the NFPA process, we can play a role in the issue of firefighter safety through giving voice to our concerns in the standards-making process.

On the legislative and enforcement front, construction type,

zoning laws, and vegetation management should be significant areas of activity for prevention personnel.

The State of California has created mandatory minimum standards for Fire Severity Zones. Local fire agencies are required by law to enforce minimum standards having to do with land use, building construction, and vegetation management. The overall objective is to create relatively safe construction standards with supportive zoning requirements and vegetation management legislation that combine to provide for a "defensible space" in the event of a wind-driven grass, brush, or wildland fire.

The City of Los Angeles, along with other local jurisdictions, has developed fire safety legislation that exceeds the minimum requirements set at the state level. The use of wood shingles of all types were banned citywide in 1989. Just this year, the city's Brush Clearance Ordinance was expanded from 100 feet to 200 feet and now deals with landscape vegetation. The landscape vegetation portion deals with an aspect of flammable vegetation that was heretofore exempt from specific legislative requirements or restrictions.

In the wake of the Calabasas fire, the Glendale, Los Angeles County, and Los Angeles City Fire Departments have upgraded the level and intensity of training for grass, brush, and wildland firefighting. In spite of the level of fire safety legislation and effort directed toward enforcement, the fires will occur, and firefighters

will have to rely on skills and knowledge acquired through the training process.

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Abbreviated Summary of Recommendations

Command Issues

- Systematic review of Incident Action Plan
- Use of Structure Protection Groups
- Use of field observers
- Specific division/group related safety messages

Equipment and Personal Protective Equipment Items

- Upgrade fire shelters
- Enforce personal protective equipment requirements
- Provide and require wearing of long-sleeve t-shirts
- Fully enclosed apparatus
- Neck shrouds
- Ban the use of cotton bandanas

Training

- Develop minimum training requirements for all wildland firefighters, commensurate with assignment
- Distribute certain specific training/reading materials
- Establish minimum safety briefing standard

A copy of all recommendations, in their complete original form, can be obtained through Ben Roy, FMANA executive secretary.

UL 300

Not Designed for Retroactive Implementation

by R.T. Leicht

Deputy Fire Marshal, Springfield, PA

Underwriters Laboratories (UL) first introduced test standard UL 300 for fire extinguishing systems and protection of restaurant cooking areas in November 1994. It was developed to recognize improved cooking equipment technology, changes in composition of commonly used vegetable oils, and autoignition of cooking oils occurring at lower temperatures.

The release of this standard generated confusion and misinterpretation among some regulatory officials who implemented the standard as a retroactive regulatory requirement for existing

cooking equipment and exhaust systems. As a result of this misapplication, properly functioning, well-maintained UL listed equipment was being declared "out of compliance" with fire codes, and restaurant owners were faced with expensive equipment upgrades, fines and penalties, and even cease and desist orders.

The National Restaurant Association asked UL to interpret the standard and to determine if such regulatory actions were the intent of the standard. On March 1, 1996, UL responded to the request and stated the following:

"While we believe the requirements contained in UL 300 offer an enhanced level of safety for fire suppression equipment intended for the protection of restaurant cooking areas, extinguishing system hardware authorized to have the UL Listing Mark and manufactured prior to the effective date of November 21, 1994, continues to be considered UL Listed provided that it is installed, inspected, and maintained in accordance with the manufacturer's instructions referenced on the name-plate."

News from the FMANA Chapters

Florida Fire Marshals Association Officers for the 1997 Year:

President

Peter Bergel
Palm Beach Gardens Fire Department
10500 North Military Trail
Palm Beach Gardens, FL 33410-4698
(561) 775-8260

First Vice President

Steven Randall
Altamonte Springs Fire Department
225 Newburyport Avenue
Altamonte Springs, FL 32701
(407) 830-3852

Second Vice President

James Goodloe
Clearwater Fire Department
610 Franklin Street
Clearwater, FL 34616
(813) 462-6315

Secretary

Beth Hardee
Gainesville Fire Department
P.O. Box 490-65
Gainesville, FL 32602-0490
(352) 334-5065

Treasurer

Anthony Apfelbeck
Oviedo Fire Department
400 Alexandria Blvd.
Oviedo, FL 32765
(407) 977-6104

Chapter Rep

Peter Bergel

Regional Directors

John Rayno, Northeast
Larry Gregory, Northwest
Steven Painter, Central
Tony Verducci, Southwest
Dennis Wheeler, Southeast

Calabasas Incident

continued from previous page

An analysis of the Calabasas fire resulted in 57 recommendations directly related to firefighter safety and/or command and control issues. The three departments are committed to acting upon items that are under their control. The recommendations include a number of training issues, provision of long-sleeve cotton t-shirts as an addition to personal protective equipment (PPE), aerial identification of all emergency apparatus, certain command and control issues, and other safety related items.

All fire agencies with urban/wildland interface share a daunting challenge as we stare down the barrel of the upcoming fire season. The fire season in southern California has begun months ahead of schedule. It's going to be a tough, demanding year. We should all take stock of all aspects of the urban/wildland fire matrix: legislation, training, equipment, and command and control. The cost of not doing so, in terms of lives and property, is something that none of us wants to contemplate

(Developing) Evaluation Measures for Fire, Rescue, and Emergency Services

by Jim Crawford, James Marshall, and Daniel O'Toole

There is a need to develop performance measures for fire, rescue, and emergency services that can be applied uniformly across the nation. Many groups are working on this challenge so that we can improve our ability to measure how well we are doing, but the problem of comparing apples and oranges persists, hindering valid and useful comparisons of fire agencies.

We may be able to compare if we presume what programs should be offered and then compare how they are being delivered. For example, many presume that emergency operations, code enforcement, and public education are basic components of a fire and rescue agency. If we agree, we still face the issue of how these services should be delivered, and we have difficulty explaining their impact or the right mix of services.

For two days in January, experts* in fire and rescue services met in Portland, OR, to develop fundamental ideas on evaluating fire, rescue, and emergency services performance. The meeting was sponsored by the Fire Marshals Association of North America and the Portland Bureau of Fire, Rescue, and Emergency Services and was funded by the National Fire Protection Association. It focused on developing a basic framework for evaluating fire, rescue, and emergency services performance. In addition, the group reached consensus on basic criteria which can serve as a starting point for fire and rescue agencies building their own performance standards.

As Wayne Powell of the National Fire Academy pointed out to the group, the effort to develop meaningful performance indicators for fire service programs in the United States goes back well over a hundred years. And the materials he brought with him for the group to examine indicated the wealth of information available. The idea of our session was to answer the question "what fundamental performance criteria would a group of experts come up with in two days?" Our hope was that the resulting information could be the "first cut" for agencies to use in developing or improving their own evaluation measures.

The first question that the group addressed was "what major fire and rescue program activities should be evaluated?" If we envision evaluation as a Russian doll, the largest doll, the one that contains all the rest, is the array of basic programs that agencies deliver, the basic functions they perform. The group reached consensus on the following set of program activities as fundamental to our profession:

<p>Prevention</p> <ul style="list-style-type: none"> • Community education • Code administration • Code development • Investigation <p>Response</p> <ul style="list-style-type: none"> • Disaster • Fire • EMS • HazMat • Specialty rescue (including downed power lines, dive team, high angle, and other different or unusual rescues) 	<p>Preparedness</p> <ul style="list-style-type: none"> • Planning • Staff • Equipment • Training • Deployment • Facilities <p>Management and Support</p> <ul style="list-style-type: none"> • Information management • Financial management • External relationships • Emergency communications
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The group went on to tackle the next Russian doll: the measures to be used to evaluate performance in each program activity. This work used a structure recommended by one of the session speakers, Richard Tracy, performance auditor for the City of Portland. Tracy told the group that the three basic types of measures are workload, efficiency, and effectiveness.

Workload indicators measure the amount of work accomplished, the number of inspections made, the number of people contacted, the number

of runs covered, etc. With workload indicators we know how many, but little else.

Efficiency indicators measure how many resources went into producing the work. This is a good indicator for financial managers since it gives the cost of producing a given unit of service and thereby indicates how cost-effective we are.

Effectiveness indicators measure the results of our efforts. These measures focus on the reason we make the effort: the reason for a program or activity. Response time is often used to measure effectiveness, but a case could be made that we also need to look at the loss-to-risk ratio, since a fire, for example, may have been burning for some time before the call comes in. In such a case, the amount of damage mitigated by the response is an important indicator of effectiveness.

Using this framework, the group developed the criteria contained in Figure 1.

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Figure 1

Prevention			
	Workload	Efficiency	Effectiveness
Community Education: Disaster	<ul style="list-style-type: none"> • # of applicants for training • # of participants in training 	cost/training graduate	<ul style="list-style-type: none"> • # of certified graduates: • per geographic district • per 1000 population
Community Education: Fire	# of public campaigns	resources expended per campaign	fire losses in specified occupancies behavior changed
Community Education: EMS	# of injury prevention programs presented	resources expended per campaign	<ul style="list-style-type: none"> • preventable injuries prevented • mitigation of injuries • behavior changed
Community Education: HazMat	# of targeted campaigns	resources expended per campaign	<ul style="list-style-type: none"> • responses by households and small businesses • behavior changed
Code Administration	number of: <ul style="list-style-type: none"> • inspections performed • code consultations • plan reviews • permit/license applications processed 	# of person hours per: <ul style="list-style-type: none"> • inspection • code enforcement • plan review • permit/license application processed 	percentage of: <ul style="list-style-type: none"> • inspections done • inspections done accurately • violations resolved on first reinspection • cases open • appeals sustained • fires with cause or development due to code violation • plan reviews, inspections, etc. done • # of recurring violations/inspection
Code Development	number of code section(s): <ul style="list-style-type: none"> • evaluated by fire safety research reports • amendments proposed 	# of person hours/code amendment submittal to governing body	<ul style="list-style-type: none"> • % of presented code updates adopted by governing body • entire code reviewed and updated for relevancy within required cycle
Investigation	number of: <ul style="list-style-type: none"> • investigations • arson investigations • hours of court-related work • investigations by co. officers • advanced investigations 	number of: <ul style="list-style-type: none"> • person-hours/investigation cost/investigation • investigations/ investigator 	<ul style="list-style-type: none"> • % of accurate investigations • % of undetermined cause • % prosecuted • % indicted and/or information communicated effectively to relevant actors
Response			
	Workload	Efficiency	Effectiveness
Disaster			
Fire	<ul style="list-style-type: none"> • number of times disaster plan activated • number of people, households, businesses/critical facility • number of fire runs/company • number of fire incidents by type 	# of people assisted/occurrence <ul style="list-style-type: none"> • cost/run • cost/incident by type • incidents/firefighter 	<ul style="list-style-type: none"> • % of compliance with disaster plan/occurrence • % of disaster plan determined to be relevant • fire loss/incident • fire loss/assessed value • loss/value at risk • control of fire spread • response time • % of loss after arrival • % of time fire response unit not available
EMS	• # of requests	cost/response	percentage of: <ul style="list-style-type: none"> • calls correctly triaged • responses that reduce severity of EMS incident through medical intervention • customers rating service "good" to "excellent" **
HazMat	<ul style="list-style-type: none"> • number of responses • number of calls • number of incidents 	cost/incident	<ul style="list-style-type: none"> • average time to bring incident under control • % of calls requiring specialized HazMat response
Specialty Rescue	<ul style="list-style-type: none"> • number of speciality rescues • # of victims served 	cost/rescue	<ul style="list-style-type: none"> • time/rescue • time from alert through set-up • % of viable victims rescued

The group ended its work here leaving preparedness, management, and support for later work.

The use of customer satisfaction surveys has emerged as a way of determining effectiveness (for example, see "% of customers rating service 'good' to 'excellent'" in EMS above). Along with this has come the Service Efforts and Accomplishments (SEA)-type documents which audit performance by municipal departments; these usually include citizen/customer surveys. So, fire, rescue, and emergency services agencies need to consider including such information in whatever set of performance indicators they choose to use. If a municipality is producing an SEA, then the agency can easily include its questions in the overall survey which is usually done.¹

Following through on the Russian doll metaphor, the next smaller doll would be to determine the data needed for each measure. Then, the smallest doll would be the development and/or maintenance of the necessary data systems to produce the needed data.

The final speaker of the two-day session was Joe Starnes, a certified quality engineer with AT&T and the chief of the Sandy Ridge, NC, Volunteer Fire Department. He linked the evaluation process with continuous quality improvement. Measuring the results of our efforts allows us to compare our efforts with benchmarks we set and then improve where we fall short.

The development of these performance measures has merely begun. The measures produced by this group of fire and rescue service experts provide a framework that we can use to communicate our performance in common terms, using indicators that are meaningful no matter what program mix we deliver. They get at measuring how we're really doing, in terms that accountants, managers, and, most important, the public can understand. They help us define what our mission really is and force us to ask the questions that will first determine the purpose of a program and then determine how we will measure its outcome.

It is our hope that this group's efforts will make it much easier for individual agencies, particularly the smaller ones, to develop useful evaluation measures. When we are efficient and effective at our basic public safety mission, then we'll know we're delivering the best product at the most reasonable cost and thereby better serving the citizens who are our customers.

¹ For additional information on SEA reporting, contact the Governmental Accounting Standards Board at 401 Merritt, 7, PO Box 51216, Norwalk, CT 06856-5116

- * Randy Bruegman, International Fire Chiefs Association
- Pat Coughlin, Operation Life Safety
- Jim Crawford, Fire Marshals Association of North America
- Rick Dumala, British Columbia Fire Commission
- Jay Fountain, Government Accounting Standards Board
- Robert Garrison, Oregon State Fire Marshals Office
- Rich Grace, Portland Bureau of Fire, Rescue and Emergency Services
- John Hall, Jr., National Fire Protection Association
- Rachel Jacky, Portland Bureau of Fire Rescue and Emergency Services
- Don Manno, Overland Park Fire Training Center
- Sherryl McBride, Best Practices, Inc.
- Don Porth, Portland Bureau of Fire, Rescue and Emergency Services
- Wayne Powell, National Fire Academy
- Jim Schwager, Portland Bureau of Fire, Rescue and Emergency Services
- Dick Small, National Association of State Fire Marshals
- Joe Starnes, Certified Quality Engineer with AT&T and Volunteer Fire Chief
- Gary Tokle, National Fire Protection Association

** Many of the program activities listed in this article could have customer satisfaction as one of their performance criteria; the group put it in the "EMS" category and then flagged it as one criterion with multiple applications. After-the-fire questionnaires and/or phone follow-ups are often used to get the same kind of information about fire response, for example.

Jim Crawford is the fire marshal for Portland Bureau of Fire, Rescue, and Emergency Services in Oregon. He is currently an Executive Board member for the Fire Marshals Association of North America.

James Marshall is a former assistant professor of Public Administration at Portland State University. He has been a practicing public administrator or staffer to elected officials in Alaska, California, and Oregon. As a consultant, facilitator, trainer, and management advisor he has worked with a large number of government, health care, for-profit, and not-for-profit organizations. During the years, many of his projects have led to published articles in a variety of journals and trade publications.

Daniel O'Toole is a professor of Public Administration at Portland State University. He has taught a variety of courses, with emphasis on budget and finance and organization development. As a consultant and facilitator, he has worked with a large number of government, education, health care, and not-for-profit organizations. During the years, many of his projects have led to published articles in a variety of journals and in presentations at professional conferences and meetings.

Chapter Activities and Accomplishments

Florida Chapter

Since the last annual report, the Florida Fire Marshals Association (FFMA) has given its 47th Annual Fire Prevention Conference with a theme of fire inspections.

Next year's conference will be held in Ft. Lauderdale, starting on November 2, and is in the planning stages.

In addition to the fire prevention conference, the FFMA hosted the 9th Annual Fire and Life Safety Education Seminar, held in Orlando, June 23rd through the 25th. This is a three-day program of educational tips, techniques, and expertise in the fire, burn, and injury prevention education fields. Programs for the novice as well as the experienced will be provided.

Once again, the Association had representatives in the State capitol during the entire legislative session. Having someone there enabled us to track legislation that affected the fire service, more specifically, code related legislation. In addition, we were instrumental in killing legislation that would have been detrimental to our fire sprinkler codes in the State.

Since the last annual report, the Governor of Florida has appointed a Building Code Study Commission to review and recommend changes to the legislature. The FFMA has an appointment to one of the subcommittees and is monitoring this issue very closely. Many members of the commission as well as the Department of Community Affairs are making a push to take over management of all codes and merge them into one document for the State.

The Public Education Committee will be receiving a check from Thomas Moses to fund NFPA *Learn Not to Burn*® books. This is a partnership with the Reedy Creek Fire District and the Disney Corporation.

See Florida Fire Marshals Association Officers for the 1997 year on page 11

Alberta FMANA Chapter #10 Holds Spring Meeting in Jasper

by Steven Whelan, President, Alberta Chapter #10

Try to imagine a more picturesque location in Alberta than the Jasper Park Lodge. The lodge is set deep in the Canadian Rockies, embodying the peace, tranquility, and natural beauty that make these peaks so famous. Upon arriving for the annual meeting of the Alberta Fire Chiefs Association (AFCA), set among the cabins and main lodge, one cannot help but notice a small herd of eight or ten wild elk wandering the grounds. Alongside the lake with a spectacular mountain vista in the

background, Canadian geese paced the shoreline and explored the waters of Lac Beauvert.

The setting was certainly ideal for the spring meeting of the Alberta Chapter of the Fire Marshals Association of North America (FMANA). This meeting represented our first gathering with the AFCA, as our Association begins to affiliate with other partners having similar ideals and performing services that compliment our own efforts. To mark the occasion we undertook the initiative of setting up a table-top display in the lobby of the lodge, on which were available membership applications for the FMANA Section of NFPA, Alberta Chapter membership applications, copies of the *Fire Marshals Quarterly*, and general interest pamphlets including one that provided information on the university study of fire protection engineering. And, of course, "Sparky" the Fire Dog" was prominently displayed, reinforcing the importance of smoke alarm installation and maintenance.

The FMANA meeting was not without minor problems relating to the published schedule of our meeting. However, our meeting was eventually held as scheduled with attendance being somewhat affected by the mix-up. Among other topics, agenda items for discussion included the following:

- recognizing the significant effort of those Association members who took part in the review and comment phase of the new *Alberta Fire Code*, to be announced in the fall of this year;
- Chapter initiatives to further develop information on our Internet home page, a permanent mailing address, and newsletter publications;
- extending Chapter membership invitations to provincial hospital fire marshals and to the Canadian Fire Safety Association;
- approved provincial guidelines to upgrade existing residential multifamily buildings and new residential "special care" facilities;
- the draft guideline for the designation of contaminated sites; and
- further discussion on the subject of issuing tickets based on fire code offenses.

Resolutions at the general meeting of the AFCA included acceptance of FMANA as an affiliate member and submitting draft changes to the Safety Codes Act that would permit municipalities to write Bylaws not repugnant to the Act. Both resolutions generated discussion but were eventually approved. We look forward to our next FMANA membership meeting, to be held in conjunction with the fall meeting of the Alberta Building Officials Association.

Bureau of Home Furnishings and Thermal Insulation Industry Notice

The purpose of this notice is to clarify the Bureau of Home Furnishings and Thermal Insulation's (BHFTI) position regarding the use of the specific brand name, "Matheson Gas B," in Technical Bulletin 117 (TB117). California Code of Regulations Section 1374 (a) requires that all filling materials contained in any article of upholstered furniture shall meet the requirements of Technical Bulletin 117, entitled "Requirements, Test Procedures and Apparatus for Testing the Flame Retardance of Filling Materials Used in Upholstered Furniture," dated January 1980. In addition, filling materials labeled as "flame resistant," "flame retardant," and/or similar words shall meet the requirements of Technical Bulletin 117, dated January 1980, as stated in California Code of Regulations, Section 1370(a).

In 1973 when TB117 was originally written, the only gas vendor supplying the exact gas formula required to meet the requirements of TB 117 was Matheson Gas products. During the years, other vendors have begun producing and supplying this gas formula. BHFTI recognizes that other manufacturers are providing the exact formula, and in fact, Matheson now calls this product "Flame Resistance Cloth Test Gas." Therefore, BHFTI will be amending TB117 by eliminating the specific brand name and replacing it with the exact gas formula.

Until TB117 is amended, laboratories should use the following test. The test for vertical flame resistance of polyurethane (and other cellular) slabstock foam pads, blended cotton (natural fiber) battings and fire retardant ticking is based on the use of a flame test gas specified in Federal Test Method Standard 191, method 5903.2. This gas is formulated as a blend of four pure gas components to provide a specific heat content. Thus, in lieu of use of Matheson Gas B, as specified in the current January 1980 version of TB 117 standard as well as in earlier versions, any gas blend which has the following specification may be used:

Blend Composition:

55% Hydrogen (+ or - 1%)
24% Methane (+ or - 1%)
18% Carbon Monoxide (+ or - 1%)
3% Ethane (+ or - 1%)

Specific Gravity (air = 1) 0.365 (+ or - .018)

BTU (Heat) Content = 540 (+ or - 20) BTU per cubic foot (dry basis at std, temp - 21 degrees Centigrade and normal atmospheric pressure).

Hazard Class: 2.1, Flammable Compressed Gas. All DOT shipping and labeling regulations, OSHA, and other pertinent federal and state regulations should be followed to ensure safe transport and use.

Any gas which meets the above technical criteria is suitable for use in performing Technical Bulletin No. 117 tests which require a vertical flame test. This gas is available from a number of specialty gas vendors nationwide. The Bureau does not endorse specific gas products or gas vendors.

If you have any questions, please contact John McCormack, technical coordinator, Research and Development at (916) 574-2057 or fax (916) 574-2449.

National Fire Codes Electronic Training at Fall Meeting

NFPA will provide *National Fire Codes* electronic training during the Fall Meeting in Kansas City. These sessions will provide hands-on training for the electronic National Fire Codes. They will provide information for both novice and expert users. Each session will last approximately one hour with additional time for questions and further practice. To reserve a seat, please call Richard Wallace at (617) 984-7568. On site sign-up will also be available on a first-come first-served basis.

The 1997 NFPA Fall Meeting

The 1997 NFPA Fall Meeting will be held at the Crown Center, Kansas City, MO, from November 15 through 19. The theme of this meeting is "Fire Safety Tomorrow—Our Mission Today."

The format of this meeting has significantly changed. In addition to Speaker Sessions, Membership Section Meetings, and Technical Committee Reports, 21 seminars and workshops specifically designed for the fire service will be held on Saturday, Sunday, Monday, and Tuesday. These sessions range from four two-day, 12-hour courses to six one-day, 8-hour seminars to eleven 4-hour workshops.

Calendar of Events

Saturday, November 15

Registration 7:30 a.m.—5:00 p.m.

Fire Service Seminars and Workshops 9:00 a.m.—4:00 p.m.

Sunday, November 16

Registration 7:30 a.m.—5:00 p.m.

Fire Service Seminars and Workshops 8:00 a.m.—5:00 p.m.

Sunday Seminars 1:00—5:00 p.m.

Monday, November 17

Registration: 8:00 a.m.—5:00 p.m.

Opening General Session 9:00 a.m.

Fire Service Seminars and Workshops 1:00—5:00 p.m.

Speaker Sessions and Section Meetings 2:00—5:00 p.m.

Monday Night Event 6:00 p.m.

Tuesday, November 18

Registration 8:00 a.m.–5:00 p.m.
 Fire Service Seminars and Workshops 8:00 a.m.–5:00 p.m.
 Speaker Session and Section Meetings 9:00 a.m.–12:00 p.m.
 Fall Meeting Luncheon 12:15–2:00 p.m.

Wednesday, November 19

Registration 8:00 a.m.
 Technical Committee Reports 8:30 a.m.

Hotel Information

Hyatt Regency Crown Center
 (800) 233-1234
 \$119.00 single/\$129.00 double
 Protected by sprinklers and smoke detectors throughout.

Westin Hotel Crown Center
 (800) 228-3000
 \$119.00 single/\$129.00 double
 Protected by sprinklers and smoke detectors throughout.

Reservations

To make your hotel reservations, please call the Hyatt Regency or Westin Hotels at the numbers listed above. Inform the agent that you will be attending the NFPA Fall Meeting. Be prepared to provide your arrival and departure dates, the number and type of rooms required, the number of people in your party, and your mailing address and phone number.

A deposit to cover the first night of your stay is required. Please provide a major credit card number or mail an advance deposit equal to one night's stay at the hotel. Deposits are only refundable for cancellations up to 48 hours prior to your scheduled arrival.

Reservations must be made by October 24. The hotel will mail you a written confirmation.

Meeting Registration

Advance Registration

Upon arrival at the Crown Center, you'll need positive identification to pick up your advance registration packet at the NFPA registration desk. You may not pick up anyone else's packet.

Complete Registration Special Package

The complete registration special package includes all NFPA Sessions, Sunday Seminars, Monday Night Dinner Event, Tuesday Luncheon, and Fire Service Seminars and Workshops. Member \$250/Non-Member \$300

Regular Registration Luncheon Package

The regular registration luncheon package this includes all NFPA Sessions, Sunday Seminars, Tuesday Luncheon, and Fire Service Seminars and Workshops.

Member \$220/Non-Member \$270

Meeting and Seminar Only

The meeting and seminar only package includes all NFPA Sessions, Sunday Seminars, and Fire Service Seminars and Workshops.

Member \$195/Non-Member \$245

Travel Arrangements

Delta Air Lines

Delta, as an official airline of NFPA, is offering special meeting fares. To take advantage of these savings, travel Delta, Delta Express, or the Delta Connection round-trip from anywhere within the U.S., Canada, Bermuda, Nassau, San Juan, St. Croix, Mexico, and St. Thomas to the Fall Meeting in Kansas City, MO. Applicable restrictions must be met. Seats are limited. To take advantage of Delta's quality service, convenient schedules, and special fares, follow these steps: call Delta, or have your travel agency call 1-800-241-6760 from 8:00 a.m.–11:00 p.m. (EST). Refer to file number J3291.

U.S. Airways

U.S. Airways has been designated as an official carrier to Kansas City, MO, and will offer an exclusive low fare for the attendees. This special fare will offer a 5% discount of first class and any published U.S. Airways promotional round trip fare. A 10% discount off unrestricted coach fares will apply with 7 days advance reservations and ticketing required. These discounts are valid provided all rules and restrictions are met. U.S. Airways will also offer exclusive negotiated rates for attendees who are unable to meet the restrictions of the promotional round trip fares. Call U.S. Airways' Meeting and Convention Reservations Office at (800) 334-8644, 8:00 a.m.–9:00 p.m. (EST). Refer to gold file number 11610234.

Colpitts World Travel

Colpitts World Travel is NFPA's official travel agency. Colpitts will arrange your travel and provide you the lowest fare on the official Fall Meeting airlines or on one of our other airline discount programs with United or American. Call Colpitts at 1-800-795-9500 or (617) 984-7313.

Alamo Car Rental

Alamo has been appointed the official car rental company for the Fall Meeting. Special discounted rates have been extended to all attendees to the meeting. These rates are available one week before and after the meeting dates and include unlimited free mileage. To make reservations, call Alamo at (800) 732-3232, and provide our group identification number 440315 and rate code GR. Also, please have reservation agent check rate code 1G for additional convention discounts that may apply. INTERNATIONAL ATTENDEES MAY FAX THEIR RESERVATIONS REQUESTS TO 1-954-527-4700.

Opening General Session Speaker

Our speaker for Opening General Session is Roger Dow, vice president and general sales manager of Marriott Lodging. Since starting with Marriott as a lifeguard more than 25 years ago, he has earned a reputation as one of the most creative and innovative people in the service industry. During those 25 years he has directed every aspect of sales and marketing including advertising, public relations, promotion, sales training, compensation, and succession planning.

Mr. Dow is a co-founder of the Service/Quality Leadership Forum 2000, whose members are committed to quality and team empowerment using service and quality leadership principles and practices. His book, "Turned On—Eight Vital Insights to Energize Your People, Customers, and Profits," was published last year by Harper Collins. It is a practical hands-on guide on how to inspire people, enthuse customers, and maximize profits. His high energy presentations are laced with humor and "real world" examples.

Fire Service Seminars and Workshops

Announcing a new training and education opportunity specifically designed for the fire service!

With 21 seminars and workshop sessions covering a wide variety of interests, this is the only broad-reaching fire service educational opportunity of its kind in the convenient fall season.

Choose as many of these seminar and workshop sessions as your schedule allows. Choose from four 2-day courses (each course covers 12 hours over Saturday and Sunday), six 8-hour seminars (on Sunday and Tuesday), and eleven 4-hour workshops on Sunday, Monday, and Tuesday.

The International Fire Service Training Association (IFSTA), the Association of State, Provincial, and Territorial Directors of Fire Service Training, and the NFPA have sponsored and designed these programs for the fire service.

Important

Please note that sessions vary in length—be sure that you do not register for overlapping sessions. Complete item number three on the Advance Registration Form with the corresponding session numbers from the following descriptions. Some class sizes are limited.

If you do not include your course selections on the Advance Registration Form, you may not be able to attend your preferred sessions.

The following speakers are highly experienced fire service leaders who have gained valuable insight into their particular subject matter: Chief Alan Brunacini, Phoenix Fire Department; Chair Dan Churchward, NFPA Fire Investigations Committee; Chief Dennis Compton, Mesa Fire Department; Deputy Chief John Eversole, Chicago Fire Department; Training Director Ed Kirtley, Colorado Springs Fire Department; Captain Murrey Loflin, safety officer of the Virginia Beach Fire Department;

Consultant William Neville, former superintendent of the National Fire Academy; Publisher Jim Page, JEMS and Fire Rescue Magazine; Assistant Director Nancy Trench, Fire Service Training, Oklahoma State University; Director Alan Walker, Fire and Rescue Institute, Louisiana State University.

• Saturday and Sunday

12-hour sessions/two full days
9:00 a.m. to 4:00 p.m. both days

(F1) Incident Safety Officer—This National Fire Academy course is a result of an NFA belief that the safety officer's responsibilities fall into two clear-cut categories: those associated with responding at the incident scene and those associated with managing the day-to-day affairs of the safety department. This new course addresses the issues common to responding to the emergency scene. Limit 40.

Stephen Foley, Senior Fire Service Specialist, NFPA Public Fire Protection Division

Murrey Loflin, Virginia Beach Fire Department

(F2) Basic Life Support and Hazardous Materials Response

This National Fire Academy course will help the student to identify, analyze, and manage patient care concerns as they relate to basic life support at hazardous materials incidents. Elements of the course include safety issues, managing contaminated victims, and other treatment and transportation procedures. Limit 40.

Hugh Connor, Battalion Chief, Orem Fire Department

(F3) Incident Management System—This new curriculum follows the model procedures guide for structural firefighting fire-ground command approved by the National Fire Service Incident Management System Consortium. Participants will learn course methodology for delivering this course elsewhere. Limit 25.

William Neville, Neville Associates

Glen Pribbenow, Assistant Director, Fire Service Institute, Iowa State University

(F4) Fire Officer's Combat School for Leadership and Personnel Management

Designed to provide participants with a better understanding of techniques for developing successful working relationships with superiors, subordinates, and peers within a fire service setting. Participants will have an opportunity to apply new management skills in realistic and challenging simulation exercises. Limit 24.

Alan Walker, Director, Fire and Rescue Training Institute, Louisiana State University

• Sunday ONLY

8-hour sessions, 8:00 a.m. to 4:00 p.m.

(F5) Creating a Blueprint for Community Fire and Life Safety Education—Essential planning information for preparing an organized community-wide program for addressing all safety hazards.

Ed Kirtley, Chair of NFPA 1035, Professional Qualifications for Public Fire and Life Safety Educator, and Training Director, Colorado Springs Fire Department

4-hour sessions, 1:00 p.m. to 5:00 p.m.

(F6) Customer Service and the Concepts of Loss Control—This session is also offered on Monday. See description for (F10).

Alan Brunacini, Fire Chief, Phoenix Fire Department

(F7) Overview of NFPA 1200, Developing Fire Protection Services for the Public—The proposed revisions to this document include a community risk management plan, in which the fire department is a key player. The fire department provides service delivery objectives for fire suppression, EMS (if provided), and special operations (if provided). Using this document as a self-evaluation model will assist the attendees in the planning process.

Stephen Foley, Senior Fire Service Specialist, NFPA Public Fire Protection Division

John Granito, Chair, NFPA 1200

• **Monday ONLY**

4-hour sessions, 1:00 p.m. to 5:00 p.m.

(F8) Protecting Yourself at Incidents Involving Clandestine Drug Labs—This workshop will introduce the diverse hazards that may injure or kill personnel responding to incidents at clandestine drug labs. Information will be presented on booby traps and common explosives. Participants will also discuss possible indicators of clandestine drug labs and the potential danger of chemical exposure hazards. The dangers can affect anyone; these labs can be found where you least expect them.

(F9) Wildland Firefighter Safety—The rigors of wildland firefighting result in stresses that other firefighters seldom encounter, such as long hours of digging, working in difficult terrain, exposure to sun and adverse weather, working around aircraft, bulldozers, and heavy equipment, and days of separation from family while on major incidents.

(F10) Customer Service and the Concepts of Loss Control—Improving customer service, both inside and outside the organization, continues to consume a great deal of our time and energy in the fire department. This session will explore a full range of customer service issues. It will also detail the concepts of fire service loss control as an example of providing added value to standard services extended by our departments. This session is also offered on Sunday afternoon.

Alan Brunacini, Fire Chief, Phoenix Fire Department

(F11) The Impact of Managed Health Care on Emergency Medical Services—This workshop will focus on the realities of managed health care on fire and emergency service delivery systems. The impact calls for these services to be proactive in defining their role in the future of health care in our country. The use of third-party providers, large consortiums, and health care management organizations is affecting local emergency responders.

Jim Page, Publisher, JEMS and Fire Rescue Magazine

(F12) Contemporary Issues in Fire Department Management—Learn what's new for supervisors and managers to make you more effective and what information might help

you use your energy more productively to enhance service delivery and support programs in your department. The content is current, unique, thought-provoking, and sure to provide participants with a few useful idea nuggets to take back home.
Dennis Compton, Fire Chief, Mesa Fire Department

(F13) Current Issues in Fire Service Training—This interactive workshop will highlight NFPA standards, federal regulations, cultural diversity, environmental considerations and solutions, and will look at new and future training methods and materials. Many of the methods used to teach this workshop can easily be incorporated into any instructor's lesson plans.
Nancy Trench, Assistant Director, Fire Service Training, Oklahoma State University

• **Tuesday ONLY**

8-hour sessions, 8:00 a.m. to 4:00 p.m.

(F14) Overview of NFPA 921, Fire and Explosion Investigations—This document was developed to establish guidelines and a recommended practice for the safe and systematic investigation or analysis of fires and explosions based on accepted scientific principles. A new edition is proposed. Here is your chance to see what the new edition contains and how it may affect you.

Dan Churchward, Chair, NFPA Fire Investigation Technical Committee

Dennis Smith, Fire/Arson Investigation Unit, Atlantic City Fire Department

(F15) Emergency Response to Terrorist, Nuclear, Biological, and Chemical Incidents—How to better handle these rare but dangerous incidents under emergency conditions.

John Eversole, Deputy Chief, Chicago Fire Department

Steve Patrick, Hazardous Materials Officer, Virginia Department of Energy Services

(F16) Progressive Labor/Management Relations—There are fire departments that continue to cling to traditional labor and management roles which tend to be adversarial in design. This can often interfere with service delivery and the overall operation of the department. This session describes a different model and redefines roles for fire department labor and management representatives. It is founded on the basis of providing the best service possible and the best support possible to the firefighters providing the service. It is designed around building mutual trust and respect through the use of a systems approach to enhancing labor/management interaction and effectiveness.

Alan Brunacini, Fire Chief, Phoenix Fire Department

Pat Cantelme, President, United Phoenix Firefighters Association, Local 493

Dennis Compton, Fire Chief, Mesa Fire Department

(F17) Emergency Risk Management: A Safety and Health Approach—Is your fire department's risk management plan in place and effective? This seminar can help. The session addresses the challenges that fire and EMS personnel encounter in their efforts to manage risks during emergency operations. Risk management lets you anticipate the things that can go wrong so you can properly plan for them. Participants receive a comprehen-

sive workbook that can be used as a resource guide.
Jonathan Kipp, CSP, Loss Prevention Manager, Compensation Funds of New Hampshire
Murrey Loftin, Captain/Safety Officer, Virginia Beach Fire Department

(F18) Introduction to Risk Watch®—This is NFPA's new comprehensive injury prevention curriculum targeting kids in preschool through grade eight, their families, and their communities. Session content will focus on organizing your community to plan, implement, and evaluate Risk Watch through coalition efforts at the local level.

Meri-K Appy, Vice President, NFPA Public Education Division
Andy Halper, Risk Watch Curriculum Developer

4-hour session, 8:00 a.m. to 12:00 p.m.

(F19) Firefighter Fatalities: Identifying the Issues—Lessons learned from recent and long-term statistics on firefighter fatalities.

Rita Fahy, Manager, Fire Databases and Systems, NFPA Fire Analysis Division
Gary Morris, Phoenix Fire Department

4-hour sessions, 1:00 p.m. to 5:00 p.m.

(F20) Update on Fire Service-Related Standards under Development—What's new in the NFPA fire service standards relating to protective clothing, professional qualifications, rescue, and in other standards affecting fire departments.

Bruce Teele, Senior Fire Service Specialist, NFPA Public Fire Protection Division

(F21) Overview of the New NFPA 1901, Automotive Fire Apparatus—An update on recent major changes to the NFPA apparatus standards.

Carl Peterson, Assistant Director, NFPA Public Fire Protection Division

1997 Fall Meeting Tentative Schedule of Events Fire Marshals Association of North America

Saturday, November 15

8:00 a.m.—5:00 p.m.

Fire Marshals Association of North America
 Chapter Representatives Meeting
 Presiding Officer: Robert Melton, Dallas Fire Marshal and President of FMANA

Sunday, November 16

8:30 a.m.—12:00 noon

Fire Marshals Association of North America
 Educational Committee
 Chair: Jim Crawford, Portland, OR, Fire Marshal and Second Vice President of FMANA

1:30—5:00 p.m.

Fire Marshals Association of North America
 Executive Board Meeting
 Presiding Officer: Robert Melton, Dallas Fire Marshal and President of FMANA

Monday, November 17

1:00 p.m.

Business Meeting
 Presiding Officer: Robert Melton, Dallas Fire Marshal and President of FMANA

Staff Coordinator: Ben Roy, FMANA Executive Secretary

2:00 p.m.

Joint Educational Session with the NFPA Education Section
 "The National Fire Incident Reporting System (NFIRS)" Panel Discussion

Staff Coordinators: Ben Roy, FMANA Executive Secretary
 Judy Comoletti, Section Executive Secretary



**FIRE MARSHALS ASSOCIATION OF NORTH AMERICA
 SECTION NEWSLETTER**

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