

14th Annual New England
FIRE SERVICE TRAINING WEEKEND

JANUARY 17-18, 2004

UMASS/AMHERST
MURRAY D. LINCOLN
CAMPUS CENTER

sponsored by: TRADE Region 1

*MA FIREFIGHTING ACADEMY

*VT FIRE TRAINING COUNCIL

*NH FIRE STANDARDS AND TRAINING COMM

*PROVIDENCE RI FIRE DEPARTMENT

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*BURLINGTON VT FIRE DEPARTMENT

*PORTLAND ME FIRE DEPARTMENT

14th Annual New England Fire Service Training Weekend

Sponsored by FEMA Region 1
Training Resource and Data Exchange

January 17 – 18, 2004
University of Massachusetts, Amherst, Massachusetts

WEEKEND SCHEDULE

Training Weekend

Saturday, January 17, 2004

- | | |
|---------------|---|
| 8 AM | Registration |
| 8:30 – 10 AM | General Session
Today's Fire Fighters – New Heroes or a New Look? – Mike Callan |
| 10 – 10:30 AM | Break (Coffee/Donuts) – Fire Service Vendor Exhibits |
| 10:30 – Noon | Workshop Sessions
Fire in American Society - I
Introduction to Heavy Rescue
Street Smart Haz Mat Response
Back to Basics |
| Noon – 1 PM | Lunch – Fire Service Vendor Exhibits |
| 1 – 2:30 PM | General Session
Protecting our Nation's Capitol – Stephen Foley |
| 2:30 – 3 PM | Break (Soda/Coffee) – Fire Service Vendor Exhibits |
| 3 – 4:30 PM | Workshop Sessions
Fire in American Society - II
Emergency Response to Terrorist Bombings (Part 1 of 2)
Introduction to Heavy Rescue – Repeat
Elevator Emergencies |

Sunday, January 18, 2004

- | | |
|---------------|---|
| 8:30 – 10 AM | General Session
World Trade Center – A Field Assignment – Bob Duval |
| 10 – 10:30 AM | Break (Coffee/Donuts) |
| 10:30 - Noon | Workshop Sessions
Fire Department Operations at Rapidly Expanding Incidents
Back to Basics - Repeat
Emergency Response to Terrorist Bombings (Part 2 of 2)
Command Decision Making |

Noon – 1 PM

Lunch

1 – 2:30 PM

General Session

Fire and Arson Investigation – **Dr. Henry Lee**

Workshop Sessions

Introduction to Heavy Rescue

Lt. Michael Bates

FF Paul Doughty

Heavy Rescue and 1670 – Where does your department fit in? This class is an introduction to the skills commonly referred to as Heavy Rescue/Urban Search and Rescue and the requirements of NFPA 1670. We will examine the general demands these skills place upon a department's training division. Also to be examined will be a look at the equipment and training required for each of the various disciplines. Lastly will be a look at the practical realities of providing the training necessary to maintain these skills sets. The 1670 discussion will specifically focus on structural collapse, trench rescue, confined space rescue, rope rescue and vehicle/machinery rescue.

Fire Department Operations at Rapidly Expanding Incidents

Deputy Chief David Mager

On a beautiful spring afternoon, what would have been a routine building fire was complicated dramatically by 30 – 50 mile-per-hour winds. The Orient Heights Yacht Club fire quickly expanded to 9-alarms and made national news. Fast action by firefighters prevented a near conflagration and saved a neighborhood. Chief Mager, who was the initial incident commander, will share his knowledge of the incident with participants of this session. Tactics and strategy will be addressed as well as how to apply the lessons learned to your next rapidly expanding incident.

Fire in American Society - The Evolution of Fire Control

Lt. Don Whitney (Ret.)

Lt. Ed Marks (Ret.)

Using historic films, news accounts, art, photographic and lithographic images and other artifacts, this two-part program will discuss and illustrate the evolution of fire control from Colonial Times, through the 19th century, to today's 21st

century firefighting tactics and techniques. From bucket brigades and hand pumping, through the emergence of paid firefighting forces from 19th century volunteers, to motorized fire apparatus, hazardous materials incident response, and emergency medical services, this program will offer a glimpse of the horrific tragedies and heroic efforts of America's firefighters.

This is a two-part presentation. It is NOT necessary to take both parts.

Command Decision Making

Deputy Chief Wayne Bindas (Ret.)

This program will provide participants with the ability to command an incident by completing a size-up checklist, listing problems to be solved, the use of proper decision making methods, and by developing an action plan to meet the needs of the incident.

Emergency Response to Terrorist Bombings

Sgt. Stewart Jacobs

This is an "Awareness Level" course designed to provide the student with basic information concerning explosive and incendiary devices that could be used as terrorist weapons. The course is comprised of classroom presentations designed to familiarize the student with commercial and military explosives, improvised explosive devices and appropriate response procedures. Examples of improvised devices will be shown for the purpose of familiarization and identification of devices commonly encountered.

This is a special program of 4 hours duration delivered in 2 parts. Students MUST register for and attend both workshop sessions. Some minor adjustment in workshop time may be needed. Students will receive a special completion certificate from New Mexico Technical College.

Back to Basics

Chief Charles Hall

FF Ted Cocco

The Back to Basics course is for new or veteran line firefighters who wish to review basic firefighting techniques and theories. It will cover safety issues relating to Rapid Intervention Teams and will touch on size-up, ladder work, initial attack, and hoseline selection and placement.

Street Smart Haz Mat Response

Mike Callan

This session will look at the attitudes in place that limit successful emergency response size-up. Using illustrations from his new book from IFSTA Street Smart

Haz Mat Response, Mike Callan will bring a practical approach to a hazardous materials event. Whether you are a first responder, technician, industrial response team member or any type of emergency responder, you have to be “street smart” to survive. This session looks at some practical lessons and approaches to sizing up dangerous chemicals.

Elevator Emergencies **Assistant Chief John O’Donoghue**

This program will introduce participants to an overview of the recommended procedures that firefighters should use when operating in or around elevators and particularly when evacuating passengers from stalled elevators.

Keynote General Sessions

Fire and Arson Investigation **Dr. Henry C. Lee**

Arson has become one of the most expensive crimes in the world. About one third of all building fires are attributed to arson and it may account for losses of more than \$5.5 billion per year. Dr. Lee will discuss why it is vital to conduct methodical and systematic crime scene investigations to study burn patterns and suspicious signs and to collect arson residues and other potential evidence.

World Trade Center - A Field Assignment **Robert F. Duval**

This program will review the events of September 11, 2001 and the resulting damage to the buildings of the World Trade Center and the resulting collapses of the towers and Building No. 7. The program covers the findings of the FEMA Building Performance Assessment Team and will review the ongoing work of the National Institute of Standards and Technology as the investigation into the tragic events of that day continue.

Protecting our Nation’s Capitol **Stephen Foley**

This presentation will give an overview of the U.S. Capitol Police, roles and responsibilities, and inter-agency cooperation that does and must occur to "maintain the continuity of the U.S. Government".

Today's Fire Fighters - New Heroes or a New Look?

Mike Callan

This presentation looks at the evolution of today's fire fighter over the last 50 years from WW II through 9-11 to today. The fire service is influenced by many factors and this presentation looks at the events, the people, and the overall culture that have shaped the fire service today.

Our Presenters

Robert F. Duval

Bob Duval is the New England Regional Manager and Senior Fire Investigator for the National Fire Protection Association. Robert is responsible for conducting investigations of technically significant incidents in order to gather, "lessons learned" from each incident to apply those lessons to improving NFPA codes and standards. The investigation of these incidents includes documenting the emergency services response, the structure(s) involved as well as the events leading up to and following the incident. Robert has conducted investigations into several recent incidents including: fire fighter fatalities in Albert City, Iowa; Lake Worth, Texas; Marks, Mississippi; New York City, New York; Phoenix, Arizona; Keokuk, Iowa; a cruise ship fire in Miami, Florida; a grain elevator explosion in Kansas and a bulk retail warehouse in Phoenix, Arizona, among others.

Deputy Chief Wayne Bindas

Wayne Bindas is a retired Deputy Chief of the Hartford, Connecticut Fire Department. Wayne is a long time adjunct faculty member of the National Fire Academy and has presented an extensive number of programs across the country. Chief Bindas is also a long time adjunct faculty member of the Connecticut Fire Academy.

Lieutenants Don Whitney and Ed Marks

Don Whitney and Ed Marks are both retired fire lieutenants who served with the Portland, Maine Fire Department. They both currently fill positions as educators at Southern Maine Community College. Ed Marks is also a Deputy Administrator of Maine Fire Training and Education.

Deputy Chief David Mager

David Mager began his career with the Boston, Massachusetts Fire Department in 1978. His 25 years of service include four years as a firefighter on Rescue Company One. He was promoted to Lieutenant in 1984 and to Captain in 1988. As a company officer, he served in the High Rise and Financial Districts. His

most recent field assignment as District Chief was in the East Boston district of the city that includes Logan International Airport, a major bulk fuel storage facility and significant portions of Boston Harbor including three vehicular tunnels and rapid transit subway system components.

Dr. Henry C. Lee

Dr. Henry C. Lee is one of the world's foremost forensic scientists. Dr. Lee's work made him a landmark in modern-day criminal investigations. He has been a prominent player in many of the most challenging cases of the last 45 years. Dr. Lee is currently Chief Emeritus for the Scientific Services and was the Commissioner of Public Safety for the State of Connecticut from 1998 to 2000 and served as Chief Criminologist for the State of Connecticut from 1979 to 2000. Dr. Lee's testimony figured prominently in the O.J. Simpson trial and in convictions of the "Woodchipper" murderer as well as hundreds of other famous crimes. Dr. Lee has been the recipient of numerous medals and awards, including the 1996 Medal of Justice from the Justice Foundation and the 1998 Lifetime Achievement Award from the Science and Engineer Association.

Sergeant Stewart Jacobs

Sgt. Stewart Jacobs, CFI - Fire Investigations Supervisor. Stewart has over 25 years in fire service and law enforcement and over 20 years in the Maine State Fire Marshal's Office conducting fire and explosion investigations and the criminal investigations that follow. Stewart is also court qualified in most of Maine's courts at the District, Superior and Federal level.

Lieutenant Michael Bates

Michael Bates is a 24-year veteran of the Providence, Rhode Island Fire Department where he is a Lieutenant assigned to the Heavy Rescue Company. Mike is also a Rescue Squad Officer with FEMA's USAR Team MATF-1.

Firefighter Paul Doughty

Paul Doughty is a 16-year veteran of the Providence, Rhode Island Fire Department assigned to the Heavy Rescue Company. He is also a Rescue Squad Officer with FEMA's USAR Team MATF-1.

Stephen Foley

Currently Deputy Director, Special Operations-HMRT US Capitol Police, a stand alone 70 member team as part of the Special Operations Division that has offensive Haz-Mat capabilities with entry, detection, mitigation, and decontamination. The team also provides training and response capabilities for the sworn members of the department that is about 2000 personnel. Steve is a former staff member of NFPA for 10 years, and prior to that Fire Chief in Longmeadow, Massachusetts.

Chief Charles Hall

Charles Hall is currently Chief of the West Warwick, Rhode Island Fire Department. An over 25 year veteran of the fire service, he is formerly the Director of the Rhode Island Fire Academy and Assistant Chief of the Cranston, Rhode Island Fire Department.

Firefighter Ted Cocco

Ted Cocco is a 23-year member of the Providence, Rhode Island Fire Department who served in one of the city's busiest ladder and engine companies for 10 years. Ted has served in the department's Training Division as a Training Officer for 13 years developing and delivering training programs to the department's 500 members.

Michael Callan

Mike Callan is a 33-year veteran of the fire service and is a former Captain with the Wallingford, Connecticut Fire Department. In 2001 he was selected as the California Hazardous Materials Instructor of the Year. He is the author of the new Street Smart Haz Mat Response by Red Hat Publications. In 1989, at the Fire Department Instructors Conference (FDIC), he was selected from among 7000 municipal and private sector instructors as the International Society of Fire Instructors' George D. Post Instructor of the Year. Mr. Callan is the developer of the popular Propane Emergencies Training Facilitator's Guide and Powerpoint programs used extensively by the US Fire Service. He is co-author and lead instructor for many other nationally recognized programs and training materials. He is director of his own business – Callan and Company. Mr. Callan conducts Chemical Response training around the country for industrial and municipal haz mat teams.

Assistant Chief John O'Donoghue

John J. O'Donoghue has been a member of the Cambridge (MA) Fire Department, for the past 36 years. He is a graduate of Boston State College (1977), with a B.S. in Fire Science. He is a member of the International Association of Firefighters (IAFF), Massachusetts Elevator Safety Association (MESA), The Board of Elevator Regulations of the State of Massachusetts, and is a member of the A17.1 Emergency Operations Committee(ASME). He has been a Certified Fire Instructor for the past twenty-five years with the Massachusetts Firefighting Academy (DFS), and he assisted in the development of and has taught courses on "Elevator Emergencies", "Elevators and the Fire Service (3502)" and "Fighting Fires in High-rise Buildings". His current position is that of Assistant Chief/ Chief of Operations.