

# Library Update, Feb.-March 2010

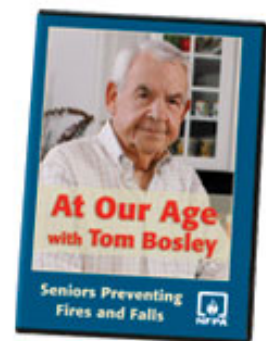
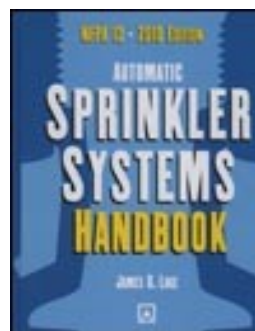
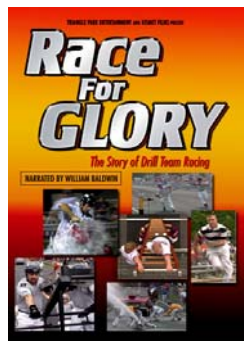
## ***NYS Office of Fire Prevention & Control Academy of Fire Science***

***Our online catalog is at <http://71.4.229.140/m4/opac/m4opac.dll?installation=afs>***

To help keep you up to date we've listed notable Web resources "new" on the scene along with materials added to the Academy Library. Categories are: arson & fire investigation; building codes & construction; EMS; fire safety education; general fire science; hazardous materials/WMD; and rescue. Keywords are underlined.

Please contact the Library for more information or to borrow print & AV items. If you would like to get this list (and other updates) e-mailed to you, please send a message to [Library@dos.state.ny.us](mailto:Library@dos.state.ny.us).

## **New arrivals!**



## ***ARSON & FIRE INVESTIGATION***

[Web Resource] Evidence examination: **what happens at the lab?** 2010, [https://www.cftrainer.net/Training\\_Programs/Evidence\\_Examination\\_What\\_Happens\\_at\\_the\\_Lab.aspx](https://www.cftrainer.net/Training_Programs/Evidence_Examination_What_Happens_at_the_Lab.aspx) "This module takes investigators into the forensic laboratory and shows them what happens to the different types of fire scene evidence that are typically submitted for testing: fire debris, fingerprints, toolmarks, tire and footwear impressions, and trace evidence. The module also discusses techniques for successfully working with the laboratory, including communication, evidence submission, and follow-up contact."

This on-demand training module takes about 1 hour to complete, plus has suggested readings (approx. 2 hours). Fire investigators may register at <http://www.cftrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations.

[Web Resource] Matchbook. <http://www.matchbookjournal.org>

Website of the Brandon School in Natick, MA. "Matchbook" is described as "A professional online journal developed with the goal of providing current practical and reliable information and resources to the diverse professional groups engaged in **juvenile firesetting** intervention."

[Document] National Institute of Justice. **Electronic crime scene** investigation: an on-the-scene reference for first responders. Washington, DC: US Dept. of Justice, Office of Justice Programs, National Instit. of Justice, 2009. 50p.

Available at <http://www.ncjrs.gov/pdffiles1/nij/227050.pdf>

"This flipbook is intended as a quick reference for first responders who may be responsible for identifying, preserving, collecting and securing evidence at an electronic crime scene. It is a companion piece to Electronic Crime Scene Investigation: A Guide for First Responders, Second Edition, from which it is excerpted."

[Document] Technical Working Group for the Examination of Digital Evidence (TWGEDE). Forensic examination of **digital evidence**: a guide for law enforcement. Washington, DC: US Dept. of Justice, Office of Justice Programs, National Instit. of Justice, 2004. 91p.

Available at <http://www.ncjrs.gov/pdffiles1/nij/199408.pdf>

## ***BUILDING CODES, CONSTRUCTION, ETC.***

[Document] Byler, David J. et al. **Structure fire preplans**. Worcester, MA: Worcester Polytechnic Institute, 2009? 84p.

"An Interactive Qualifying Project Report submitted to the Faculty of Worcester Polytechnic Institute in partial fulfillment of the requirements for the Degree of Bachelor of Science"

Library has no paper copy; please access from Web.

[http://www.wpi.edu/Pubs/E-project/Available/E-project-042909-180544/unrestricted/Fire\\_Preplans.pdf](http://www.wpi.edu/Pubs/E-project/Available/E-project-042909-180544/unrestricted/Fire_Preplans.pdf)

"This project, sponsored by the Bolton Fire Department in Bolton, Massachusetts, seeks to provide the groundwork and recommendations for implementing a fire incident preplanning system. Research on pre-incident planning was first conducted, followed by analysis of existing tools and resources available to the department. A fire incident pre-plan worksheet designed to augment the department's existing street listing file as well as provide a basis for information entry into the town's computerized dispatch system was developed based on the needs of the town. Finally, pre-plans for nine town-owned buildings were prepared."

[Book] Jones, A. Maurice Jr. **Fire protection systems**. Clifton Park, NY: Delmar/Cengage Learning, 2009. 9781401862626. 502p.

"A practical understanding of fire protection systems is essential to effective management of a fire scene. *Fire Protection Systems* focuses on the operational characteristics and abilities of different types of systems and equipment that are used during fire department operations to access a water source, apply a suppression agent to control a particular type of fire, provide information concerning the location of a fire, and more. Systematic, easy-to-understand coverage thoroughly explores various types of active fire protection systems and components, how they operate, and the requirements for installation, making this a valuable learning tool for firefighters and a handy resource for design professionals."

[Document] Joyce, Sean et al. Fire safety in **green buildings**. Worcester, MA: Worcester Polytechnic Institute, 2008. 111p.

"An Interactive Qualifying Project Report submitted to the Faculty of Worcester Polytechnic Institute in partial fulfillment of the requirements for the Degree of Bachelor of Science" Library has no paper copy; please access from Web.

[http://www.wpi.edu/Pubs/E-project/Available/E-project-121908-111921/unrestricted/Final\\_IQP\\_Report.pdf](http://www.wpi.edu/Pubs/E-project/Available/E-project-121908-111921/unrestricted/Final_IQP_Report.pdf)

"...sponsored by the National Assn. of State Fire Marshals to address the issue of fire safety in green buildings. We researched design characteristics of green buildings, awareness of fire safety, awareness of green building practices, and the ways that green building can promote or hinder fire safety. From this we developed recommendations focused on education of the fire services, as well as increased communication between fire officials and those involved in promoting the practice of green building."

[Book] Lake, James D., ed. Automatic **sprinkler systems handbook**, 11th ed. Quincy, MA: NFPA, 2010. 978-087765856-6. 1074p.

[Book] National Fire Protection Association. **National fire codes**, 2010. Quincy, MA: NFPA, 2010. 9780877658610. 17 volumes plus index; supplement due in mid-2010.

## **EMERGENCY MEDICAL**

[DVD] Working Fire [DVD Videomagazine], 2008. #08-11, 54 min. total. DVD includes PowerPoint presentation and training materials in PDF format

Includes (among others): **Pediatric CPR** tools (6:36, showing use of the Impedance Threshold Device or ITD and the Broselow Tape.)

## **FIRE SAFETY EDUCATION**

[Web Resource] Accessible emergency information // American Sign Language emergency preparedness videos. <http://www.accessibleemergencyinfo.com/home.html>  
Videos are mirrored at <http://www.youtube.com/user/Preparedness4Deaf#>

Presents information in video and downloadable document (Braille, large-print and PDF format) for public use. There is no charge for use of the materials posted on this website. Includes 52 **emergency preparedness videos in American Sign Language formatted to be user friendly to deaf, blind, and limited sight populations.** Video topics include general emergency preparedness, basic first aid, chemical emergencies, safety during natural and manmade disasters, infectious diseases, terrorism, winter safety, shelter in place, mass casualty/explosions.

[DVD] At our age: with Tom Bosley. **Seniors preventing fires and falls.** [DVD] National Fire Protection Association; 2009; 17 min.; Accompanied by 21-page presenter's guide  
"Fire service professionals recognize the elevated risks faced by older adults, and NFPA's innovative video starring Tom Bosley helps you deliver solutions to the community. Now there's a way to teach seniors practical strategies for avoiding fires and falls--leading causes of preventable injuries for seniors. 'I'll bet you know someone who's had a fire at home or been injured in a fall. I do. Almost everyone our age does,' says Bosley, an octogenarian himself. His engaging delivery makes it clear that a few basic precautions can reduce hazards and prevent injuries and fatalities..."

## **GENERAL FIRE SCIENCES**

[DVD] Working Fire [DVD Videomagazine], 2008. #08-11, 54 min. total. DVD includes PowerPoint presentation and training materials in PDF format

Includes (among others): **Flashover simulator** training, pt.5 (11:19, on flashover variables and use of a hoseline to control flashover development)

[Document] Buffalo (NY). Fire Department. **Buffalo Fire Department investigative report:** submitted December 2, 2009. 3rd alarm fire, 1815 Genesee Street, August 24, 2009. Firefighter fatalities Lt Charles McCarthy, FF Jonathan S. Croom. [Preliminary report]. Buffalo, NY: Buffalo Fire Department, 2010. 29p.

Available at <http://www.buffalonews.com/2010/02/23/966973/bfds-preliminary-investigative.html>

[Document] Coyle, Diane and Patrick Meier. New technologies in emergencies and conflicts: the role of information and social networks. Washington, DC : United Nations Foundation, 2009. 56p. Library does not retain paper copy; please access online

[http://www.globalproblems-globalsolutions-files.org/pdf/UNF\\_tech/emergency\\_tech\\_report2009/Tech\\_EmergencyTechReport\\_full.pdf](http://www.globalproblems-globalsolutions-files.org/pdf/UNF_tech/emergency_tech_report2009/Tech_EmergencyTechReport_full.pdf)

"...Communications advances present an opportunity for humanitarian organizations to harness modern technology to communicate more effectively with communities affected by disasters and to allow members of those communities to communicate with each other and with the outside world. People in affected communities can recover faster if they can access and use information. A look at the use of **communications technology during disasters** in recent years shows that while it has played a positive role, its full potential has not yet been realized..."

[DVD] Race for glory: the story of **drill team racing.** D'albora, Joseph and Gregory J. Pace; DocuMental Productions, Inc.; 2005; 56 min.; Includes 1927 and 1950s archival footage. Narrated by William Baldwin

On drill team racing in New York, esp. Long Island. "It started in the 1600's as brutal races between fire departments to get "first water" on a fire. It has evolved into a technically advanced, super-intense competition between New York volunteer fire departments. Drill Team Racing pits teams against the clock and against each other in high-speed, dangerously competitive events using ladders, hoses, bucket brigades and racing trucks..."

[Web Resource] Goldfeder, Billy et al. Through the smoke: what do you know about ISO? 2010 <http://www.firehouse.com/podcast/through-smoke/through-smoke-what-do-you-know-about-iso>  
Podcast (about 90 min. long) on ISO; page also has links to various parts of the ISO PPC program including a draft of the new Fire Suppression Rating Schedule. "While many of you may have heard about I.S.O., or **Insurance Services Office** the agency that evaluates most public fire protection

services in the United States what do you really know about I.S.O.? Who are they? What do they really do? Who do they represent? How does what they do affect you as a firefighter, fire chief of fire commissioner, city manager or mayor? How does an I.S.O. evaluation affect these difficult fiscal challenges so many communities are experiencing? Following the tragic loss of nine Charleston, SC, firefighters, significant discussion came up nationwide regarding I.S.O. Clearly, so many firefighters simply do not understand 'how I.S.O. works' and exactly what they do and what they do not do. Host Chief Billy Goldfeder talks with veteran fire chief Butch Cobb, ISO's Director of Community Hazard Mitigation and Mike Waters, Vice President of ISO Risk Decision Services, who also serves as a captain to get the answers to those questions and much more."

[Article] LeMasters, Grace K. et al, **Cancer risk** among firefighters: a review and meta-analysis of 32 studies. *Journal of Occupational and Environmental Medicine*, November 2006. 48; 11 p.1189-1202. <http://www.iaff.org/HS/PDF/Cancer%20Risk%20Among%20Firefighters%20-%20UC%20Study.pdf>

"Our results confirm previous findings of an elevated metarerelative risk for multiple myeloma among firefighters. In addition, a probable association with non-Hodgkin lymphoma, prostate, and testicular cancer was demonstrated."

[Document] MMA Consulting Group. **Chemung County, New York: county-wide fire services** study. Brookline, MA: MMA Consulting Group, 2010. 146p.  
Library does not own a paper copy; please access online  
<http://www.chemungcounty.com/usr/PDF/TEMP/Chemung%20County%20Fire%20Services%20Study.pdf>

[Document] National Fallen Firefighters Foundation. **16 firefighter life safety initiatives**: adoption & implementation. Implementation guidebook. National Fallen Firefighters Foundation, 2008. 44p.  
Also issued with an OFPC cover as "Courage to Be Safe"

[Document] National Volunteer Fire Council. White paper on **volunteer firefighter training**. Greenbelt, MD: National Volunteer Fire Council, 2010. 7p.  
Library does not own a paper copy; please access online  
Available at [http://www.nvfc.org/files/documents/Volunteer\\_Training\\_White\\_Paper.pdf](http://www.nvfc.org/files/documents/Volunteer_Training_White_Paper.pdf)

"The roles and responsibilities of the fire service have evolved over the years. As the breadth and scope of what it means to be a firefighter has expanded, the necessity for training within the fire service has grown. Unfortunately, a large number of volunteer fire departments are still operating with personnel who are not trained to a level consistent with national consensus standards for basic firefighter preparedness. This can lead to ineffective and unsafe responses that put lives and property at risk. Proper training directly affects the health and safety of our nation's emergency responders. At its fall meeting in 2008, the NVFC Board of Directors adopted a policy statement that recommends all volunteer fire departments in the United States set a goal that personnel must attain, at a minimum, a level of training that meets NFPA 1001: Standard for Fire Fighter Professional Qualifications or an equivalent state standard in order to engage in fire suppression. The NVFC white paper focuses on the need for proper training to ensure the safety and effectiveness of firefighters and also examines several barriers to implementing basic training in volunteer fire departments. These barriers include lack of resources, lack of convenient training options for volunteers, and a lack of emphasis on training from leadership within fire departments."

[Document] New York State Office of Fire Prevention and Control. **Courage to be safe**: firefighter life safety initiatives. NYS OFPC/National Fallen Firefighters Foundation, 2008. 44p.  
#01-15-0001 (Rev. 2008). Supercedes 2006 "Courage to Be Safe" student manual as of January 2010. Intended to be used as a class resource (not provided to each student). Also issued without an OFPC cover as "16 firefighter life safety initiatives: adoption & implementation. Implementation Guidebook."

[Document] New York State. Office of Fire Prevention and Control. **Fire police** course: student manual. Albany, NY: NYS Office of Fire Prevention and Control, 2010. Approx. 100p. On cover: "Special Programs 05 (Rev. 1-10)." Instructors Guide and course CD kept in Archives. Supersedes the 1992 edition.

[Document] New York State Office of Fire Prevention and Control. **Health and safety officer:** student manual. Albany, NY: the Office, 2008. Approx. 150p. Course #01-15-0005, dated 8/09. Supersedes the 6/04 version. Separate DVD available for loan; course CD and instructor guide (approx. 150p.) kept in Archives (available to staff only). Same as National Fire Academy text by same name, but with OFPC covers.

[Web Resource] New York State. Office of Mental Retardation and Developmental Disabilities **Autism: information for first responders.** 2010, [http://www.omr.state.ny.us/document/hp\\_brochures\\_firstresponse\\_autism.jsp](http://www.omr.state.ny.us/document/hp_brochures_firstresponse_autism.jsp) Includes links to a pocket card and an 8-page guide, "On the scene and informed : first response and autism."

[Web Resource] New York State. Office of Mental Retardation and Developmental Disabilities . Statewide simulcast presentation on **fire prevention and awareness** . 2009?, [http://www.omr.state.ny.us/hp\\_webcast\\_fireprevention.jsp](http://www.omr.state.ny.us/hp_webcast_fireprevention.jsp) Includes links to a 76-slide PowerPoint show by NYS OFPC titled "What Is Fire Prevention?" and a 14-slide PowerPoint show by NYS OMRDD titled "Fire Safety for Individuals with Developmental Disabilities," and a link to an archived 114-minute webcast. "The New York State Office of Mental Retardation and Developmental Disabilities (OMRDD), in conjunction with the New York State Department of State, Office of Fire Prevention and Control (OFPC) conducted a Statewide Simulcast Fire Prevention and Awareness Video Conference on June 22, 2009. The event was part of OMRDD's continuing effort to share information with stakeholders, to ensure that the agency's collective consciousness is raised regarding fire safety, and that OMRDD puts into practice what it has learned about fire safety and prevention. It also provided an opportunity for review and discussion about the fire prevention and safety measures and 'best practices' for fire safety in facilities for the people we serve and protect."

## **HAZARDOUS MATERIALS / WEAPONS OF MASS DESTRUCTION**

[DVD] **Working Fire** [DVD Videomagazine], 2008. 08-11 54 min. total. DVD includes PowerPoint presentation and training materials in PDF format

Includes (among others): Fatal train wreck (20:37, on the Rockford, IL derailment, explosion and fire involving **14 tank cars of ethanol**); **Foam & flammable liquids training**, pt.9 (9:18, series concludes with "hands on" evolutions showing application of foam to extinguish polar solvent fires, usage of the Pro/Pak foam application system, and safety factors to remember when conducting live burns.)

[CD-rom & Web Resource] **Foam technology up date: ethanol** I. Cottrell Associates/National Foam. 2009.

[http://www.combatsupportproducts.com/Home\\_.html](http://www.combatsupportproducts.com/Home_.html)

CD distributed to participants at a workshop presented during the 2010 Hazardous Materials

Seminar in Montour Falls, NY. Most of the CD's contents appear to be available through the website. CD includes 14 PDF documents, 2 Word documents and 8 Quicktime video clips related to foam use, eductors, ethanol, etc.

[Web Resource] Illinois Fire Service Institute. **Ethanol** videos.

<http://www.fsi.illinois.edu/content/virtual%20campus/quickHitMedia/ethanol/>

Includes: Video 1: Ethanol: selecting the correct foam -- Video 2: Ethanol: alcohol resistant foam membrane -- Video 3: Ethanol: E85/E95 flame difference -- Video 4: Ethanol: proper application of alcohol resistant foam -- Video 5: Ethanol: water solubility.

Five videos to help people understand how ethanol differs from regular pump gasoline; also explains the need for and use of alcohol resistant foams. Video one shows why you need to use Alcohol Resistant foam for polar solvents. Video two shows the actual membrane that gives Alcohol Resistant foam its ability to work on Alcohol (Polar Solvent) products. Video three shows the difference in flame type of E-85 and E-95. Video four shows how to effectively apply Alcohol Resistant foam. Video five shows that just applying water to an ethanol fire will not work.

[Document] New York State. Office of Fire Prevention and Control. **Sampling techniques** for the hazardous materials technician: student manual. Albany, NY: NYS Office of Fire Prevention and Control, 2009. 29p.

Produced as a cooperative effort between the NYS Department of Health Wadsworth Center and NYS OFPC. Issued as 01-09-0078 (11/09)

## **RESCUE**

[Document] New York State Office of Fire Prevention and Control. **Rescue heavy rigging** operations: student manual. Albany, NY: New York State Office of Fire Prevention and Control, 2009. 179p.

"01-04-0028 (Rev. 8/09." Student manual only. This manual is an OFPC cover over the FDNY/Special Operations Fire Command "Technical Rescue Training" student text. Supercedes 1997 version.

[Document] **Trench rescue: awareness** level. Student manual. Albany, NY: New York State Office of Fire Prevention and Control, 2010. Approx. 50p.

"01-04-0061 (Rev. 2/10." Instructional Guide (approx. 200p.) kept in Archives. Supercedes 2008 version.

[Document] **Trench rescue: operations** level. Student manual. Albany, NY: New York State Office of Fire Prevention and Control, 2010. Approx. 40p.

"01-04-0042 (Rev. 1/10." Instructional Guide (approx. 175p.) kept in Archives. Supercedes 2007 version.