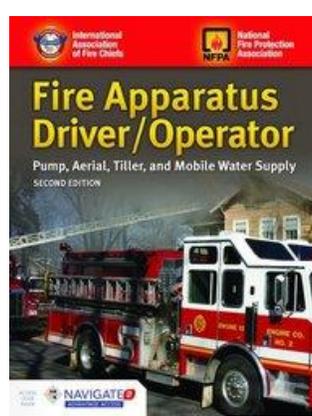
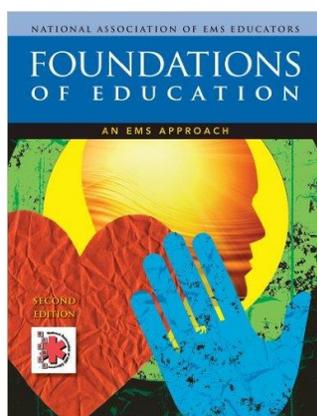
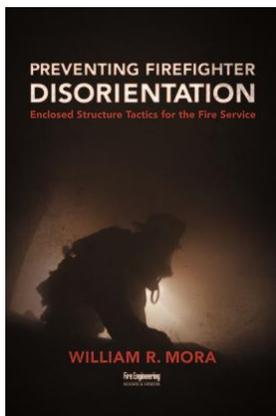
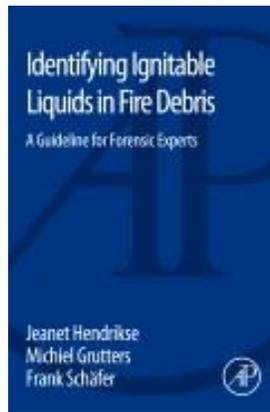
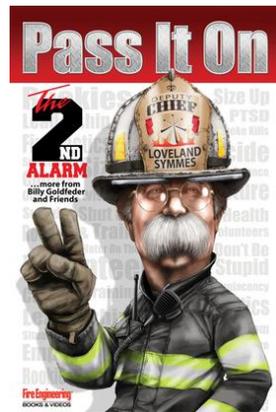
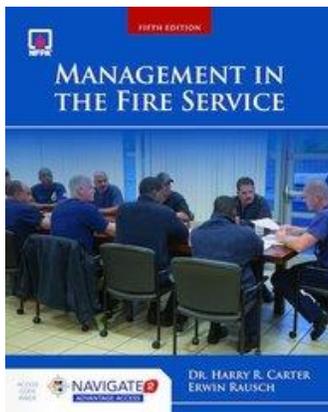




Library Update

What's new?



Aug. – Sept. 2016

Arson & Fire Inv.	p.2
Building Codes & Insp.	p.4
Emergency Medical	p.4
General Fire Science	p.4-6

Official OFPC
Library page
[http://www.dhSES.ny.gov/
ofpc/training/fire-
academy/library.cfm](http://www.dhSES.ny.gov/ofpc/training/fire-academy/library.cfm)

Visit our Wiki!
<http://nysfireinfo.pbworks.com>
(not an official site)

Not already getting
this emailed to you
automatically?
Just ask!

ARSON & FIRE INVESTIGATION

[Book] Hendrikse, Jeanet et al. **Identifying ignitable liquids in fire debris**: a guideline for forensic experts. New York: Academic Press/Elsevier, 2016. 9780128043165. 127p.

[Online learning module] **Accreditation, certification and certificates**.

https://www.cfitrainer.net/Training_Programs/Accreditation_Certification_and_Certificates.aspx

On-demand training module. Fire investigators may register at <http://www.cfitrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations

"...Understanding the difference between these three terms helps the fire investigator discern what programs and courses offer the most valuable training for their professional development goals, and also helps the investigator explain that training value when presenting their credentials to qualify as an expert in a legal proceeding. This program provides a primer on accreditation, certification, and certificates for fire investigation training."

[Online learning module] **Critical thinking solves cases**.

https://www.cfitrainer.net/Training_Programs/Critical_Thinking_Solves_Cases.aspx

On-demand training module. Fire investigators may register at <http://www.cfitrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations

"This program brings three highly experienced fire investigators and an attorney with experience as a prosecutor and civil litigator together for a round table discussion of how investigators bring their investigations to the next level and solve cases..."

[Online learning module] **The deposition**, part 2: questioning tactics and effective responses.

https://www.cfitrainer.net/Training_Programs/The_Deposition_Part_2_Questioning_Tactics_and_Effective_Responses.aspx

On-demand training module. Fire investigators may register at <http://www.cfitrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations

"One of the legal proceedings that may require the fire investigator to testify is a deposition. Deposing attorneys employ a variety of tactics to learn about the expert witness giving testimony, to try to unsettle that witness to see how he/she handles such pressure, and to probe for weaknesses to exploit...This module teaches effective ways to respond to the most common questioning tactics."

[Online learning module] **Ethical duties** beyond the fire scene.

https://www.cfitrainer.net/Training_Programs/Ethical_Duties_Beyond_the_Fire_Scene.aspx

On-demand training module. Fire investigators may register at <http://www.cfitrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations

"The fire investigator's ethical duties do not stop at the fire scene investigation. Writing reports, interacting with other investigators and interested parties, and testifying to your methodology and conclusions are all fraught with opportunity for lapses in ethics and judgment. This self-paced program examines the fire investigator's ethical duties beyond the fire scene..."

[Online learning module] Introduction to **youth-set fires**.

https://www.cfitrainer.net/Training_Programs/Introduction_to_Youth-Set_Fires.aspx

On-demand training module. Fire investigators may register at <http://www.cfitrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations

"Youth-set fires are a significant and persistent problem. Statistics have shown that youths are responsible for a high percentage of arson fires in the United States... The program provides foundational background on the scope of the youth-set fire problem, the importance of rigorous fire investigation in addressing this problem, and the role of key agencies in the response to a youth-set fire. The program then presents the responsibilities of the fire investigator when working a youth-set fire."

[Online learning module] Investigating fire and explosion incidents involving a **line of duty death**.

https://www.cfitrainer.net/Training_Programs/Investigating_Fire_and_Explosion_Incidents_Involving_a_Line-Of-Duty_Death.aspx

On-demand training module. Fire investigators may register at <http://www.cfitrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations

"... This self-paced program will help you understand what to expect at a fire where an LODD has occurred, what your role is, how to interact with others, and how to handle special circumstances at the scene. The program explains what happens when and LODD occurs, how to interact with other agencies investigating other aspects of the incident, how the emotional impact of an LODD can affect the fire/explosion investigation, how the LODD affects the scene examination and witness interviews, what the fire investigator's responsibilities are at a scene where an LODD occurred, and how to prepare for the possibility of working an investigation with an LODD."

[Online learning module] Investigating natural gas systems.

https://www.cfitrainer.net/Training_Programs/Investigating_Natural_Gas_Systems.aspx

On-demand training module. Fire investigators may register at <http://www.cfitrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations

"... This module presents the role natural gas can play in fire ignition, fuel load, and spread; the elements of investigating a fire in a residence where natural gas is present; and the potential role the gas utility or the municipality can play an investigation. The module also discusses the documentation of the natural gas system and the types of tests that may be required as part of the fire investigation when natural gas piping or equipment is involved..."

[Online learning module] Legal aspects of investigating youth-set fires.

https://www.cfitrainer.net/Training_Programs/Legal_Aspects_of_Investigating_Youth-Set_Fires.aspx

On-demand training module. Fire investigators may register at <http://www.cfitrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations

"...This self-paced program covers fundamental legal aspects of investigating youth-set fires, including the juvenile justice system, legalities of interviews and interrogations, arson statutes, search and seizure, and confidentiality."

[Online learning module] Residential natural gas systems.

https://www.cfitrainer.net/Training_Programs/Residential_Natural_Gas_Systems.aspx

On-demand training module. Fire investigators may register at <http://www.cfitrainer.net> to receive their own password; Academy Library patrons can also access it from Library workstations

"... The fire investigator should have a basic understanding of fuel gases, fuel systems and the appliances and equipment that utilize them. This module presents the basics of natural gas and its uses and system components in a residence. This module is part one in a two part series on natural gas. You are strongly urged to complete this module first, then take the module 'Investigating Natural Gas Systems.' "

[Online video series] Arson and fire investigation.

<http://www.fireengineering.com/articles/2015/08/firefighter-training-video-arson.html>

Six segments

(each between 3 to 9 minutes) featuring Buddy Cales. Discusses fires in an adult bedroom, juvenile firesetter considerations when investigating child's bedrooms, fires apparent multiple points of origin, investigations that center on public safety personnel, handling evidence at a suspected incendiary fire, and recognizing signs that point to possible use of the structure as a methamphetamine lab.

[Article reprint] Gorbett, Gregory E. et al, Use of damage in fire investigation: a review of fire patterns analysis, research and future direction. Fire Science Reviews, 2015. Vol.4; #4, 35 pages.

<https://firesciencereviews.springeropen.com/articles/10.1186/s40038-015-0008-4>

"...The concept of fire patterns for this review has been broken into four components that better assist in evaluating their effectiveness in determining an area of origin. The first component evaluated is the ability to assess the varying degree of fire damage along the surfaces of the compartment and contents. Next, the ability to identify clusters of damage was evaluated. Interpretation of the causal factors for the generation of the fire patterns was next appraised. Finally, the availability of processes using fire patterns in determining an area of origin was assessed. This deconstruction of the problem provides a gap analysis of the current processes and identifies areas where future work is needed. A seven step reasoning process for evaluating damage for determining the area of origin, along with a new definition for the term fire pattern is proposed."

[Guide] New York State Academy of Fire Science Library. Fire/arson investigation **bibliography**. Montour Falls, NY: NYS OFPC/Academy Library, 2016. 69p.
Revised annually; issued as a handout to 80-hour Fire/Arson Investigation class.

BUILDING CODES & INSPECTION

[Book] Waseem, Mohammad Nabeel. Fire protection approaches in **site plan review**. Boca Raton, FL: CRC Press, 2016. 9781498741781. 103p.

EMERGENCY MEDICAL

[Book] American Heart Association. **Basic life support**: provider manual. Dallas, TX: American Heart Association, 2016. 9781616694074. 85p. plus "Quick Reference" pocket card.

[Book] Chapleau, Will and Peter Pons. Barron's EMT // **Emergency Medical Technician exam**, 3rd ed. Hauppauge, NY: Barron's Educational Series, 2015. 9781438003801. 258p.

[Book] Fuchs, Susan and Michael D. Pante, eds. **Pediatric** education for prehospital professionals, 3rd ed. Burlington, MA: Jones and Bartlett, 2014. 9781449670431. 455p.
Published in cooperation with the American Academy of Pediatrics

[Book] Milewski, Ronald J. and Rick A. Lang. **EMS documentation** field guide, 3rd ed. Burlington, MA: Jones & Bartlett, 2012. 9780763785413. 88p.

[Book] National Association of Emergency Medical Services Educators. **Foundations of education**: an EMS approach, 2nd ed. St. Louis, MO: Mosby/Elsevier, 2013. 9781111134884. 397p.

[Book] Snyder, David R. and Manish N. Shah eds. **Geriatric** education for emergency medical services, 2nd ed. Burlington, MA : Jones and Bartlett, 2016. 9781449641917. 301p.
Published in cooperation with National Association of Emergency Medical Services Educators and the American Geriatrics Society

GENERAL FIRE SCIENCE

[CD-rom] **Fire protection and ambulance service CD**. New York State Department of Labor, Public Employee Safety and Health Bureau. 2016.

Copies of this CD are available free of charge on request from the Library. This version updated by OFPC to include the latest version of FF death & injury available from NYS OFPC as of August 2016, plus update of minimum NYS PESH training requirements (Jan. 2015) and "Best Practices" document (Feb. 2015)

Includes: PESH Act, applicable OSHA regs, general industry standards; PESH record keeping info (incl. training, injury/illness) info & forms; PESH model programs & templates; Q & A for Fire Service; Internet links;

Confined space files; "Continuity of operations" & pandemic planning; DOT ERG & FOG Field Operations Guide; Fire Escape Equipment; General Industry Standards; MUTCD / Traffic Control Devices; NIOSH Firefighter Fatality Program; Response resources (electrical, health & safety plans, health hazards, ICS forms, physical hazards, safety bulletins, safe parking SOP, HazMat Guide for First Responders, etc.); Vector borne diseases (Lyme, West Nile, rabies); Workplace violence resources, incl. active shooter situations. Also training files in PowerPoint: 134 slides for bloodborne pathogens train-the-trainer; 104 slides for firefighter safety training; 105 slides for firefighter safety training refresher course; 82 slides for haz-mat in-service; 75 slides for infectious disease control; 42 slides for respiratory protection training; 54 slides for MUTCD roadway work zone safety; 212 slides on safe parking; 65 slides for health & wellness awareness; 27 slides for FF death & injury 2015 statistics from OFPC (check OFPC website for current version); 22 slides on HazCom/Right-to-Know training; 24 slides on PESH fire brigade training; 31 slides on PESH recordkeeping; 25 slide 15-minute version record keeping; 54 slides on "What is PESH?"; 110 slides on workplace violence prevention & response; 13 slides on workplace violence; 48 slides on lead & lead oxide hazards; 32 slides on fire strategic plan awareness; 12 slides on PESH rules & standards; 16 slide overview of 29 CFR 1910.156

[Online resource] **Firefighter death & injury statistics**: US and NY State. PowerPoint Montour Falls, NY: NYS Office of Fire Prevention & Control, Academy of Fire Science. 2016. 27 slides

<http://www.dhSES.ny.gov/ofpc/documents/lodd-stats/lodd-stats.ppt>

Also available as a PDF at <http://www.dhSES.ny.gov/ofpc/documents/lodd-stats/lodd-stats.pdf> . Current version always at <http://nysfireinfo.pbworks.com/Fire-Data-and-Statistics>

PowerPoint slide show, updated at least annually. Includes summaries of latest US statistics from NFPA and USFA and NYS statistics from the OFPC Information Management System.

[Book] Carter, Harry R. and Erwin Rausch. **Management** in the fire service, 5th ed. Burlington, MA: Jones and Bartlett Publishers, 2017. 9781449690786. 402p.
Produced as a cooperative venture by the NFPA

[Book] DeJoy-Genkos, Kathy and Scott DeJoy. **Hometown heroes: the history of the Auburn Fire Department**. Auburn, NY: Downtown Books, 2016. 9780692749234. Approx. 400p.
Autographed by authors

[Book] Dwyer, Jim and Kevin Flynn. 102 minutes: the untold story of the fight to survive inside the **Twin Towers**. New York: Times Books/Henry Holt & Co., 2005. 9780805076820. 322p.

"... Reported from the perspectives of those inside the towers, 102 Minutes captures the little-known stories of ordinary people who took extraordinary steps to save themselves and others. Beyond this stirring panorama stands investigative reporting of the first rank. An astounding number of people actually survived the plane impacts but were unable to escape, and the authors raise hard questions about building safety and tragic flaws in New York's emergency preparedness..."

[Book] Goldfeder, Billy ed. **Pass it on: the second alarm**. Tulsa, OK: Fire Engineering/PennWell Corp., 2016. 9781593703790. 438p.

"...Chief Billy Goldfeder has once again gathered leading firefighters, fire officers and chiefs from all over the country to share their wisdom and insight through short personal stories, life experiences and anecdotes. Including more than 80 contributors, Second Alarm delivers tactics, operations, tragedy, humor, knowledge, and personal perspectives from a very wide range of extremely diverse personalities. Anyone from rookie to chief (and anyone who knows or plans to be a firefighter) will find loads of great stuff in this book."

[Document] Horn, Gavin P. et al. **Cardiovascular & chemical exposure risks** in modern firefighting: interim report. Champaign, IL: Firefighter Life Safety Research Center, Illinois Fire Service Institute, Univ. of Illinois at Urbana-Champaign, 2016. 73p.

Available at https://www.fsi.illinois.edu/documents/research/CardioChemRisksModernFF_InterimReport2016.pdf

"This study was designed to better understand how operating in a modern fire environment is related to the two leading health issues facing firefighters; namely cardiovascular events and chemical exposures related to carcinogenic risk. We investigated the impact of different tactics (traditional interior attack vs a transitional attack) and different firefighting location/assignment (interior attack, outside operations, outside command, overhaul) as well as measures such as skin cleaning and gross on scene decon to affect these risks."

[Book] International Association of Fire Chiefs / National Fire Protection Association. **Fire apparatus driver/operator**: pump, aerial, tiller, and mobile water supply, 2nd ed. Sudbury, MA: Jones and Bartlett Publishers, 2016. 9781284026917. 559p.
Produced as a cooperative venture by the NFPA and the Intl. Assn. of Fire Chiefs

[Book] Mora, William R. **Preventing firefighter disorientation**: enclosed structure tactics for the fire service. Tulsa, OK: Fire Engineering/PennWell, 2016. 9781593703745. 383p.

[DVD] **Code three driving**. Phoenix Fire Department; Phoenix Fire Dept.; 1986; 7 min.; Purchase, David J. Chief officer: principles and practice, 2nd ed. Burlington, MA: Jones and Bartlett Publishers/International Association of Fire Chiefs / National Fire Protection Association, 2017. 9781284038422. 320p.
Produced as a cooperative venture by the NFPA and the Intl. Assn. of Fire Chiefs

[Book] Robertson, James C. and Michael T. Love. **Introduction to fire prevention**, 8th ed. Upper Saddle River, NJ: Brady/Pearson Education, 2015. 9780133843279. 289p.

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