

Fire Engineering®

TRAINING THE FIRE SERVICE FOR 133 YEARS

JANUARY 2010
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NUMBER 1

PENNWELL CORP.
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Features

45 LIGHT RAIL INCIDENTS: FROM RESPONSE TO EXTRICATION
Jason Blount—Motor vehicle accidents are challenging enough for responders, with changing vehicle technology and components. Add commuter light rail vehicles to the mix, and the accident scene becomes more complex and higher risk.

57 ENHANCE FIREGROUND OPERATIONS WITH DIGITAL BUILDING INTELLIGENCE
Jack J. Murphy—Digital building intelligence enables responders to “look” inside a building to see floor layout, search and rescue avenues, and building stats such as fire protection features for a more accurate size-up.

63 TOOLS TO HELP PREVENT FIREFIGHTERS FROM BECOMING ARSONISTS
Brett Martinez—A subject often considered taboo and swept under the rug in the past, firefighter arsonists can no longer be ignored. They are a threat to the community, to property, and especially to fellow firefighters.

69 BUILDING SYSTEMS AND LOBBY CONTROL IN RESIDENTIAL HIGH-RISES
Michael Posner and Bob Carpenter—A thorough understanding of building systems and lobby control will help ensure a safer and more positive outcome at your next residential high-rise fire.



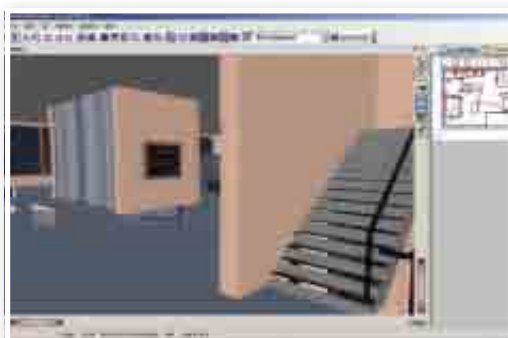
TRAINING ON PLAYGROUND, P. 14



NOZZLE INSPECTION, P. 18



LIGHT RAIL INCIDENTS, P. 45



3-D BUILDING INTELLIGENCE, P. 57

79 SEARCH IN BURNING BUILDINGS: PLAN FOR SUCCESS
Steve Shupert—The plan is the most important part of the search. You may have only seconds to formulate it and execute it, and it must offer firefighters and civilians the best chance of survival.

87 JUVENILE FIRESETTING PREVENTION: BUILDING COALITIONS
Frank McGarry, Robert E. Cole, Robert Crandall, and Carolyn E. Kourofsky—Members of the fire service, social work and mental health professionals, and a range of representatives from community organizations work together to combat the problem of juvenile firesetters with real solutions.

91 UK FIRE BRIGADES REAP REWARDS OF PREVENTION/PROTECTION INITIATIVE
John Doyle—Using a model that other countries would do well to emulate, the United Kingdom does “Whatever It Takes” to spread the fire safety education message to the poorer communities that need it most.

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Departments

- 8 EDITOR'S OPINION
"A Cause for Celebration"
- 14 VOLUNTEERS CORNER
"Training on the Playground"
- 18 TRAINING NOTEBOOK
"Inspect Your Nozzles"
- 22 FIRE SERVICE EMS
"If Pigs Could Fly: Swine Flu Lessons"
- 32 ROUNDTABLE
"Smoke-Control Systems"
- 34 NEWS IN BRIEF
- 40 LETTERS TO THE EDITOR
- 42 BRUNO "UNPLUGGED"
"The First Five Minutes Are Worth the Next Five Hours"
- 101 INNOVATIONS: HOMEGROWN
"The RIT Tarp"



STAY CURRENT ON PUB ED, P. 111

- 105 FIRE COMMENTARY
"Let's Ensure That Our Work Environment Is Safe"
- 109 FIRE PREVENTION BUREAU
"When Worlds Collide: Industrial and Residential Occupancies"
"Stay Current on Fire Safety Education"
- 115 FIRE ENGINEERING 2010 BUYERS GUIDE
- 166 APPARATUS DELIVERIES
- 167 PRODUCTS/SERVICES/MEDIA
- 168 COMING EVENTS
- 170 COMPANY/ASSOCIATION NEWS
- 170 NAMES IN THE NEWS
- 171 CLASSIFIEDS
- 176 ON FIRE
"Any 'Special Instructions?'"



THE COVER: First-due companies in Ansonia, Connecticut, arrived to find fire venting from the first floor of this 2½-story wood-frame private dwelling. An aggressive interior attack knocked down all visible fire on the first floor and resulted in the rescue of the family pets. Interior companies were withdrawn from the building after heavy fire extended through the balloon walls to the attic. Near-perfect rig placement allowed the tower ladder to be effective in both offensive and defensive modes. In the offensive mode, the tower ladder bucket provided a platform for a well-placed vertical ventilation opening. In the defensive mode, personnel dropped the bucket to the top-floor sill and used the master stream to knock down the heavy fire condition. (Photo by Keith Muratori, <http://firegroundimages.com>.)

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