

This Month's *Working Fire*...

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Volume 98-7: July 1998
Approx. Program Length 62:30

FIRELINE

Giambrocco Produce Warehouse Fire Denver, CO

Approx. length: 8:09

Employees at this produce warehouse tried to fight this arson fire before calling the fire department. Consequently, the fire had quite a head start when responders arrived. Ventilating this extremely smoky fire was difficult as the building had few windows; the incident went to two alarms almost immediately. Forcible entry and an interior attack with handlines were achieved but getting ahead of the fire was impossible. Additional hazards such as exploding cooking oil and a potential roof collapse due to the weight of roof-top air conditioning equipment threatened interior firefighters who were removed. The fire went defensive as three alarms were called; a number of aerials were employed to drown the blaze. For more information contact Assistant Chief Charlie Drennan, Denver Fire Department, 745 West Colfax Ave., Denver, CO 80204 or call him at 303-640-7546.

Tennessee and Florida Tornadoes: Two Views Nashville, TN and Seminole County, FL

Approx. length: 11:33

This segment compares the responses mounted by two different departments to two very different tornadoes. Dramatic footage illustrates the Nashville tornado which marched directly through downtown in mid-afternoon, creating damage but only one fatality; the large percentage of permanent structures withstood complete destruction. Battalion chiefs rode their districts as the Emergency Operations Center was activated with representatives from all essential response agencies in attendance. The tornado in Seminole County, Florida was much more deadly; it came at night with much higher winds. Being mostly rural, structures consisted mostly of mobile home and trailers, hence the devastation was much more complete: nine fatalities and four missing persons resulted. Past disasters including Hurricane Andrew created a statewide mutual assistance program which Seminole County drew upon, including the calling up of state emergency response personnel. For more information in Nashville, contact Director/Chief Buck Dozier, Nashville Fire Department, 500 2nd Ave., Nashville, TN 37201 or call him at 615-862-5421. In Seminole County, contact Assistant Chief Chris Johnson, Seminole County Public Safety Division, Fire-EMS Division, 200 West County Home Rd., Sanford, FL 32773-6179 or call him at 407-323-2500.

HANDS-ON

SCBA Training Maze

Approx. length: 10:02

This month we feature one training organization that has built its own portable maze for training and recertifying personnel on SCBA. Information on how to build the maze and acquire the space in which to set it up is also included. For more information contact Deputy Chief Eric L. Kiehl of the North County Training Officers Association at the Hazelwood Fire Department, 6800 Howdershell Rd., Hazelwood, MO 63042 or call him at 314-731-3424.

This Month's "Working Fire"

FIRE MEDICS

Interstate Mass-Casualty Chain-Reaction Crash

Approx. length: 8:49

Central County Fire and Rescue in Eastern Missouri were shocked at what they found upon arrival: an interstate highway piled high with vehicles over a half-mile area. Amazingly, no commercial vehicles were involved which reduced the haz-mat potential and only three extractions had to be performed. The bulk of the incident consisted of organizing and executing a mass-casualty triage and transport. The final total included 98 vehicles and no cause for the accident was ever determined. For more information contact Rob Wylie, Assistant Chief, Central County Fire and Rescue, #1 Timberbrook Drive, St. Peters, MO or call him at 314-970-9700.

EVOLUTIONS 2000

Kramer vs. Kramer: Quints vs. Traditional Apparatus Deployment

Approx. length: 5:32

Working Fire and Professor/Chief Bill Kramer present our Continuing Education segment that's worth one credit from the University of Cincinnati. On the heels of the Denver Produce Fire featured in this month's Fireline, Bill Kramer debates the thinking and strategy behind the use of "quints" versus traditional pumper, ladder, and truck operations. *Working Fire* subscribers can get one college credit each month from the University of Cincinnati by answering the questions found in the Training Materials. For more information, contact the Open Learning Fire Service Program, College of Applied Science, 2220 Victory Parkway, ML #103, Cincinnati, Ohio 45206 or call 513-556-6583.

Congressional Fire Service Institute Update

Approx. length: 14:12

Working Fire returns to Washington D.C. again this year to cover the day-long festivities surrounding the Congressional Fire Service Institute (CFSI) and Caucus. We report on progress reports on issues and initiatives relating to the American fire service including the Nunn/Lugar II Amendment in the Fiscal Year '97 National Defense Authorization Act, the Volunteer Fire Assistance Program, the Year 2000 problem as it relates to responder organizations, an examination of the 2 in/2 out OSHA ruling, money available for departments from the Technical Support Working Group, and money available from the EPA for haz-mat cleanup. The annual CFSI dinner will be covered in a future edition of *Working Fire*. See the Training Materials for information on how to contact the various agencies involved.

This Month's "Working Fire"

From the Departments Involved...

DISCUSSION QUESTIONS FOR THIS MONTH'S INCIDENTS

The departments involved in this month's incidents pose some discussion questions that you can use as discussion-starters in your own department's training sessions. Let's kick it around!

Giambrocco Produce Warehouse Fire/Denver, CO

Assistant Chief Charlie Drennan, Denver Fire Department, Denver, CO

1. In extremely smoky fires, remind personnel going out the door of the importance of staying with their respective "buddy" and not to get separated in an interior attack.
2. Do you have a public awareness information program or campaign in place to inform and remind citizens about the dangers of fighting fires themselves and to call for the fire department immediately upon spotting a fire?

Tennessee and Florida Tornadoes: Two Views/Nashville, TN and Seminole County, FL

Chief/Director Buck Dozier, Nashville Fire Department

Asst. Chief Chris Johnson, Seminole County Fire and Rescue, Seminole County, Florida

1. Does your department have a disaster plan in place, either a local one or as part of a county- or statewide disaster plan? Are all relevant responding agencies and organizations included?
2. Have you included various private-sector firms or organizations in your planning, such as equipment and lumber suppliers, who would be essential for supplies in the event of a large emergency?
3. Have you mentally prepared your personnel for the rigors of a widespread response? This would include long-hours, insufficient rehab and nourishment, and exposure to critical incident stress situations.

Enhanced Training

SCBA Training Maze

Objectives

After watching this program the student shall:

1. understand how to acquire the space and build an SCBA training maze
2. understand the procedures involved in successfully using the maze to train and recertify firefighters in the use of SCBA.

Standards and Regulations

This training is consistent with NFPA 1500 and relevant OSHA and NIOSH regulations

Training Outline

A. SPACE ACQUISITION

1. If sufficient space does not exist at a fire station or nearby training academy, seek donations of space from other public agencies or the private sector.
2. Acquire sufficient space to hold the maze, a staging area for maze entrants, and an area set aside for maze evaluation after participation in it.

B. BUILDING MATERIALS

1. Combine training funds from mutual aid departments or combined training organizations to purchase materials
2. Seek donations from local hardware or home building supply stores.
3. Raise funds to purchase materials.

C. BUILDING PLANS/DIAGRAMS

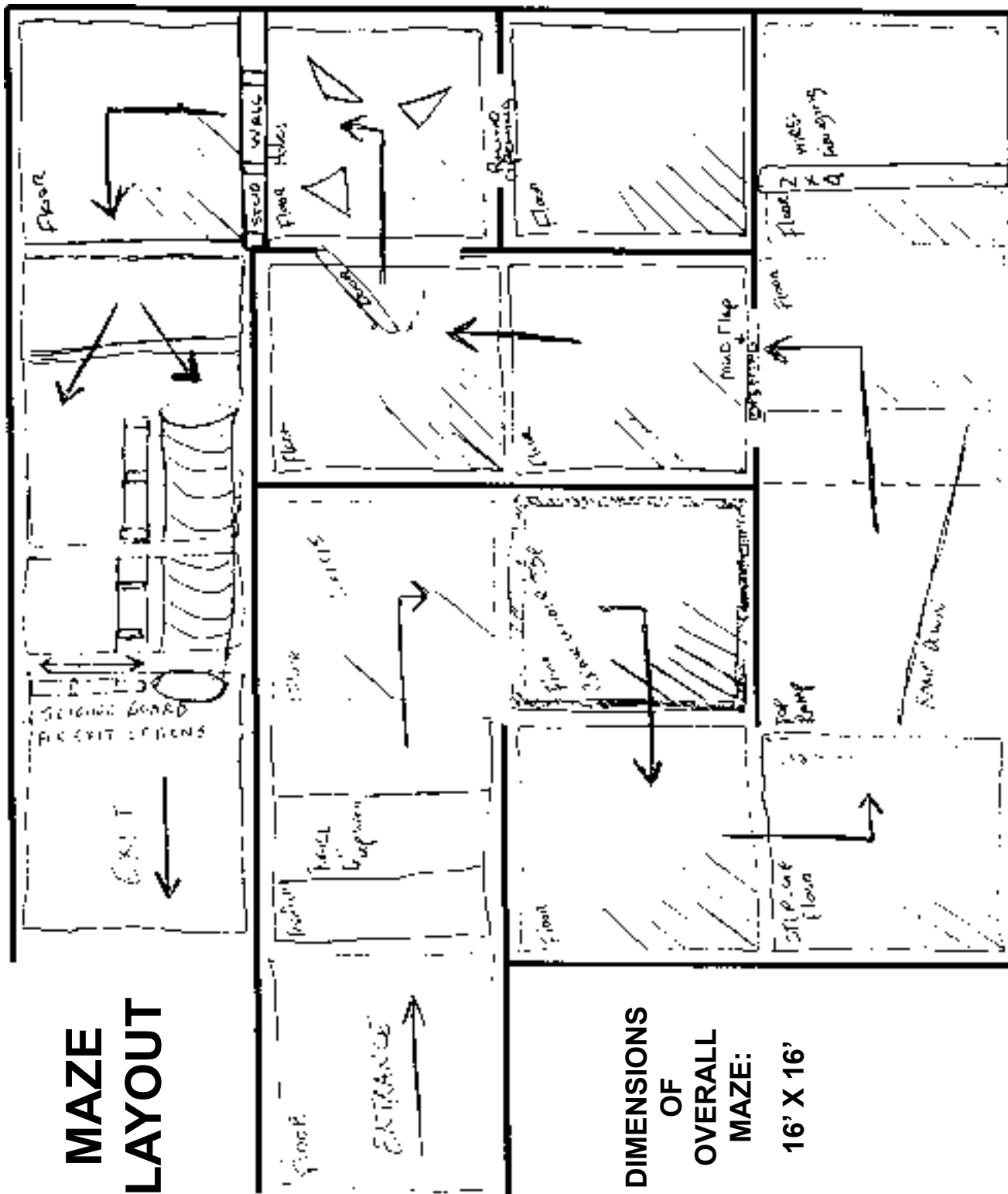
1. See maze diagram and post-participation evaluation sheet on following pages.

C. OPERATIONAL GUIDELINES

1. Only small teams should use the maze at one time; probably never more than three firefighters at a time.
2. Sufficient spotters should be placed throughout the maze to lend advice.
3. Spotters should physically intervene and stop the simulation should any firefighter experience difficulties which might endanger the firefighter or prevent him or her from continuing.
4. Seek post-evaluation from participants to fine-tune maze performance.

SCBA Training Maze

MAZE LAYOUT



DIMENSIONS OF OVERALL MAZE:
16' X 16'

SCBA Training Maze

SCBA TRAINING MAZE POST-EVALUATION FORM

YES NO Were all safety concerns explained and addressed?

YES NO Was the training evolution appropriate to the subject?

Did you feel the SCBA maze was:

YES NO too difficult?

YES NO not difficult enough?

YES NO the proper amount of difficulty?

YES NO too long?

YES NO not long enough?

YES NO just long enough?

YES NO At any time during participation in the maze did you feel overwhelmed or approach a "panic" feeling?

YES NO At any time during participation in the maze did you feel any difficulty in breathing?

Your age

_____ Years in firefighting activities

Comments for improvement: _____

Evolutions 2000

Kramer vs. Kramer/ Continuing Education Program

“Quints” vs. Traditional Engine and Ladder Truck Operations

If you're enrolled in the **Open Learning Fire Service Program** at the **University of Cincinnati**, here's your opportunity this month to earn one college credit hour for watching *Working Fire*.

VOLUME 98-7

“QUINTS” VS. TRADITIONAL ENGINE AND LADDER TRUCK OPERATIONS? WHICH IS BETTER?

Complete written responses to the following three essay questions:

1. List the advantages of using separate vehicles for engine and ladder operations?
2. List the advantages of combining ladder, pump, hose, aerial, and ground ladders on a “Quint” vehicle?
3. Describe the apparatus configuration in your organization and explain any changes you would recommend.

Submit your responses to:

**Mr. Bill Kramer
University of Cincinnati
College of Applied Science
2220 Victory Parkway, ML #103
Cincinnati, OH 45206**

ENROLLMENT INFORMATION:

For more information on enrolling in the Open Learning program to gain college credit, call *Working Fire* at 800-516-3473 for a brochure or, to register directly, call the University of Cincinnati at 513-556-6583. Associate and Bachelors programs are available. Call to have your transcripts evaluated.

Evolutions 2000

1998 CFSI Update

Objectives

After watching this segment the student shall have a basic understanding of current issues and initiatives in the fire service on a national level and how to find out more about them.

Standards and Regulations

Only as they apply to the issues discussed in this section. This would include basic understanding of OSHA, NIOSH, and EPA regulations.

Relevant Information Sources

A. TERRORISM RESPONSE

The Nunn/Lugar II Amendment to the National Defense Authorization Act would include appropriate training and funding for first responders and the National Guard in the event of a bio-chem-nuclear attack.

Contact Ken Myers at the offices of Representative Richard Lugar (IN), Bill Webb at the Congressional Fire Service Institute (**202-371-1277**), or Pete Peterson or Doug Ritter at **202-225-2011**.

B. COOPERATIVE FIRE PROTECTION PROGRAM

For volunteer fire departments. Take advantage of direct federal funding for rural volunteer fire departments through the Volunteer Fire Assistance Program (formerly the RCFP).

Contact Bruce Beardmore at the National Volunteer Fire Council (**888-ASK-NVFC**) or Billy J. Terry at the USDA Forest Service.

C. SPECTRUM ALLOCATION FOR PUBLIC SAFETY

Update on future plans to address 2.5 MHZ to support interoperability and an additional 70 MHZ of spectrum (800 MHZ band) for state and local agencies through the year 2010.

Contact John F. Clark, Deputy Chief for Public Safety at the FCC or visit their web site at www.fcc.gov/year2000/ or visit the Motorola web site at www.mot.com (Year 2000 icon).

1998 CFSI Update

D. CARDIAC ARREST SURVIVAL ACT (not covered in video)

Legislation which establishes a model state program for addressing training in lifesaving interventions and using lifesaving equipment including AEDs, to assist individuals experiencing cardiac arrest.

Contact the office of Representative Cliff Stearns (FL).

E. OSHA FIREFIGHTER SAFETY REGULATION - 2 in/2 out

Update on the revised OSHA respiratory regulations for firefighter safety and health.

Contact Rich Duffy at the International Association of Firefighters (IAFC) at **703-273-0911**.

F. HOT FIRE ISSUES ON CAPITOL (not covered in video; to be covered in a future edition of *Working Fire*)

Representative Curt Weldon, founder of the Congressional Fire Services Caucus discussed various fire service initiatives and efforts on Capitol Hill.

Contact the office of Curt Weldon (PA) or Bill Webb at the Congressional Fire Service Institute at **202-371-1277**.

G. DEPARTMENT OF DEFENSE

Jeffrey David of the Technical Support Working Group, Office of Special Technology at the Department of Defense spoke of budget money available for new solutions and applications in fire service-related technology with special emphasis on chemical and biological protection and detection.

Contact Jeffrey David at the Department of Defense at **703-767-7043** or FEMA.

H. MILITARY REPORTS (not covered in video)

Additional reports were given by the Departments of the Army (Major General George E. Friel) regarding first responder training under the Nunn/Lugar II Amendment; and the Navy (Mr. Fred Crowson) and the Air Force (Mr. George Hall) regarding current research and development in fire service-related technology.

Contact these various service branches for more information.

1998 CFSI Update

I. EPA LOCAL GOVERNMENTS REIMBURSEMENT (LGR) PROGRAM

A briefing was given on a program by the EPA whereby emergency responding departments can apply for reimbursement from the EPA to recover non-standards costs incurred from EPA incidents (spills, cost of contamination, etc.) when funds cannot be recovered from other sources. The program is available to any department and up to \$25,000 per incident is available.

Contact the LGR Helpline at **800-431-9209** for more information.

FINAL NOTE:

The Congressional Fire Service Institute can always be contacted for further information regarding any of the above issues at **202-371-1277**.