

# FIRE SAFETY & THE ENVIRONMENT

## A NEW AWAKENING

### **Presenting workshops on**

The National Hand-Held Halon Fire Extinguisher  
Replacement Program

Ozone-Depleting Substances (ODS) Recycling,  
Reclaiming and Stockpiling Workshop

DFPA's 7th Annual Conference  
April 28-29, 1993  
Washington Hilton, Washington, DC

Co-Sponsored  
by  
Luxfer USA Ltd.

### **In conjunction with**

CFSI's Fifth Annual National Fire and Emergency Services Dinner  
(April 28)



Ron Fisher speaking on halon recycling at the September 1992 Congressional Clearing-house on Recycling Breakfast sponsored by DFPA.

## FROM THE EXECUTIVE DIRECTOR

Please accept my personal thanks for your participation in DFPA's Seventh Annual Conference. We are here on important business. The agenda reflects continuing world-wide concerns about depletion of the ozone layer and the need to conserve halon and CFCs so that they will be available for society's needs.

This past year has been a very productive one for DFPA. Operating under a grant from the Department of Defense and the U.S. Environmental Protection Agency, DFPA has expanded its scope of activities to include all ozone depleting substances. The association's work is included in a comprehensive evaluation of the use of ODS that the Department of Defense will soon present to Congress.

Secondly, DFPA is developing criteria for replacing hand-held halon fire extinguishers and is preparing plans for a national hand-held halon fire extinguisher replacement program. This venture will begin with a demonstration project in the Washington, D.C. area.

In addition to these major efforts, the association is proposing an inter-agency group for hand-held extinguishers and ozone-depleting substances.

As we convene this conference, we convey special thanks to Representative Curt Weldon of Pennsylvania who has been so effective as founder of the Congressional Fire Services Caucus. We look forward to a close working relationship with Representative Steny H. Hoyer of Maryland, the current chairman.

We anticipate your active participation in the conference. Your observations and recommendations will be reflected in the Proceedings. Whether your primary purpose is to transmit information or to receive it, I trust that all of us will leave this conference with a better understanding of the issues.

Ron Fisher  
Captain, USN (Ret)  
Executive Director, DFPA

## Endorsing Associations

- Aerospace Industries Association
- Air Transport Association
- Alliance for Responsible CFC Policy
- American Fire Sprinkler Association
- American Petroleum Institute
- American Society of Naval Engineers
- Chemical Manufacturers Association
- National Fire Protection Association
- Fire and Emergency Manufacturers and Services Association
- National Electrical Manufacturers Association
- National Fire Sprinkler Association

# **DFPA AND LUXFER USA LTD.**

**INVITE**

**PARTICIPANTS IN**

**CFSI's NATIONAL FIRE AND EMERGENCY SERVICES DINNER**

**TO**

**COFFEE AND REFRESHMENTS**

**IN THE**

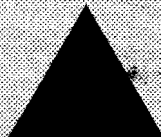
**MILITARY ROOM**

**APRIL 28 - 9:00 AM TO 4:30 PM**

**AND IN THE**

**INTERNATIONAL BALLROOM**

**APRIL 29 - 9:00 AM TO 4:00 PM**



# WEDNESDAY, APRIL 28 - Washington Hilton

## ► Morning

- 7:30 **Registration - Lincoln West**  
7:30 **Exhibits and Coffee - Military Room**  
8:45 **General Session - Lincoln West**  
8:45 **Welcome and Overview, Ron Fisher, Executive Director, DFPA**  
8:50 **Fire Safety Update, Representative Curt Weldon, Founder and Vice Chairman, Fire Service Caucus**  
9:20 **Lessons from the USS Forrestal (CV59) Fire, Senator John S. McCain, Co-Chairman, Fire Service Caucus**  
9:40 **Carrier Flight Deck Fire Fighting, Ens. Mark Persutti, Air Bos'n, USS George Washington (CVN73)**  
**Standoff Delivery System, Walt Herman, Land Harpoon Company**  
10:00 **Refreshment Break - Military Room**  
10:15 **Navy Passive Fire Protection Program**  
**▲ Ex USS Shadwell Navy Full Scale Fire Test, Dr. Fred Williams, Naval Research Laboratory**  
**▲ Fire Retardant Packaging, Norbert Karl, Manager, Navy Fire Retardant Packaging Program**  
**▲ Fire Retardant Latex Paint, Steven Sass, Crestline Industries**  
**▲ Fire Retardant Cellulosic Materials, Mike Kiser, Flame Seal**  
**▲ Cable Coatings, Dr. Eugene A. Cioffi, Hamilton Chemical Corporation**  
11:00 **Ground Vehicles, Carmen DiGiandomenico, U.S. Army Materiel Command**  
11:30 **Aviation and Halon Replacements, Major Tom Morehouse, USAF**  
12:00 **Lunch**

## ► Afternoon

- 1:30 **National Hand-Held Halon Fire Extinguisher Replacement Program Workshop - Georgetown East**  
**Moderator: Joe Ziemba, Secretary, NFPA Portable Fire Extinguisher Technical Committee and Executive Director, NAFED**  
**▲ Army Tactical Systems Hand-Held Halon Replacement Project, Carmen DiGiandomenico, U.S. Army Materiel Command, Ron Fisher, DFPA, Marty Hill, Q.E.D.**  
**- Tactical Systems (Ground Vehicles, Aircraft & Watercraft)**  
**- Strategy, Plan and Surveys**  
**- Alternative Agents and Selection Criteria**  
**- Implementation Plan**  
**- Logistics Support, Provisioning and Work Instructions**  
**▲ Cylinders, James R. Ament and Michelle L. Daum, Luxfer USA Limited**  
**▲ Fire Blankets, Mike Kiser, Flame Seal Products**  
**▲ Model Demonstration Project, Surveys, Labeling; Plans and Procedures**  
3:15 **Refreshment Break - Military Room**  
3:30 **Technology Development Plan for Replacement of Ozone-Depleting Substances (ODS), Jim O'Bryon, Deputy Director, Test and Evaluation (Land and Maritime Programs)**  
4:00 **Accelerated Acquisition - Non Developmental Items (NDI), Dick Healing, Acting Assistant Deputy Under Secretary of the Navy for Safety and Survivability**  
4:30 **DFPA Wednesday Session Conclusion**  
5:30 **CFSI Reception for Participants in the National Fire and Emergency Services Dinner**  
7:30 **CFSI Fifth Annual National Fire and Emergency Services Dinner**

# THURSDAY, APRIL 29 - Washington Hilton

## ► Morning

- 7:30 **Registration and Coffee - International Ballroom**
- 8:45 **Welcome and Overview, *Ron Fisher, DFPA - International Ballroom***
- 9:00 **Recycling and Reclaiming Material & Dual Use Technology, *Representative George Hochbrueckner, Chairman, Congressional Clearinghouse on Recycling***
- 9:30 **Environmental and Regulatory Requirements for Ozone Depleting Substances (ODS), *Karen Metchis, USEPA***
- 9:55 **Planning for Use of Alternative Refrigerants in Air-Conditioning and Refrigeration, *Glenn C. Hourahan, Research Manager, Air Conditioning and Refrigerant Institute (ARI)***
- 10:05 **Recycling, Recovery, Reclaiming — ARI's Standards and Certifications Programs, *Mike Woodford, Assistant Vice President, ARI Engineering Department***
- 10:15 **Refreshment Break**
- 10:30 **ODS Replacements and Alternative Technologies**
- Halon 1301 Replacements, *Mike Bennett, Technical Director, Halon 1301 Replacement Program, U.S. Air Force***
- Halon Alternatives, *Jerry A. Brown, Spectrex Inc.***
- Water Based Halon Substances, *Ted Adams, Pyrocap, Inc.***
- Alternative Refrigerants Research, *Dr. J.E. Hill National Institute for Standards and Technology***
- Overview of Alternative Refrigerants, *Paul R. Reed, E.I Du Pont Co.***
- 11:30 **ODS Elimination Program Management, *Angie Schurig, Corporate Environmental, Texas Instruments (Winner 1992 Malcolm Baldrige Quality Award)***
- 12:00 **Lunch**

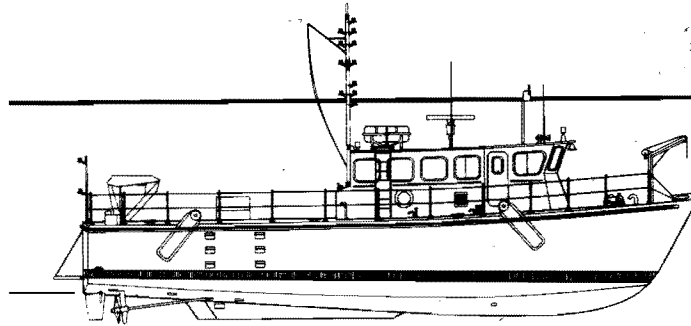
## ► Afternoon

- 1:30 **Ozone-Depleting Substances (ODS) Recycling, Reclaiming and Stockpiling Workshop**
- Moderator: *Dr. Ken Malmberg, USCG - International Ballroom***
- Inventories Usage and Essential Needs Data Management**
- Service Steering Committee, *Anthony Nickens, Chairman, Service Technical Committee on ODS***
- National Halon Bank, *Tom Cortina, Halon Alternatives Research Corporation (HARC)***
- Toxicity Issues, *Joe Macko, Army Materiel Command***
- Equipment and Materials**
- ▲ Halon 1301 Reclamation Equipment, *Robert Nunamann, Marotta Scientific Controls, Inc.***
- ▲ Recovery Cylinders, *Mike Stampley, Manchester Tanks and Equipment Co.***
- Plans and Procedures**
- 3:30 **Conference Summation and Concluding Remarks**
- 4:00 **Conference Concludes**



# SYSTRON DONNER

Setting the Industry Standards for  
Installed Fire Protection Systems - Recycled Halon  
and



## The Model 914 Marine Fire Protection System

### Installed in

U.S. Naval Vessels	Coast Guard Ships
Hydrofoil Ferryboats	Dive Boats
Fisheries Patrol Vessels	Landing Craft
Oil Tankers	Service Boats
Mine Hunters/Sweepers	

### Features

- Engineered or Turnkey Systems
- Rapid Detection
- Low Life Cycle Costs
- Rugged Construction
- Reduced False Warnings
- Main and Reserve Extinguishers

### Cylinders with 2-600 Lb. Capacity

- Steel
- Lightweight Aluminum
- Lightweight Composite

### Easily Interchangeable

- Recycled or Virgin Halon
- CO<sub>2</sub>
- Dry Chemicals

### Detectors

- Optical Flame
- Spot Thermal
- Continuous Length Thermal
- Smoke

### Cylinders operated manually or automatically by

- Solenoid
- Pressure
- Manual Lever
- Squib

## SYSTRON DONNER

also provides advanced technology fire protection systems and components, for commercial and military aircraft, the oil & gas industry, power generation facilities, trains, and off-road vehicles.

Systron Donner

Safety Systems Division, 2731 Systron Drive, Concord, CA 94518-1355, PHN: 510-674-6796, FAX: 510-671-9840

# DFPA

## MEMBERSHIP APPLICATION

3335 Duke Street  
 Alexandria, VA 22314  
 (703) 823-3372 Fax: (703) 823-6445

Please begin our company membership at the following annual dues level: (Please check level)

Annual Corporate Revenues	Annual Dues	# of Employees you can enroll
<input type="checkbox"/> Over \$1 million	\$800	6
<input type="checkbox"/> 500,000 - \$1 million	\$500	4
<input type="checkbox"/> 0 - 500,000	\$250	2

**YES!** I want to help the Defense Fire Protection Association raise the Excellence of Fire Safety, Phaseout halon and protect the environment. I've enclosed my tax deductible donation:

\$5000     \$2500     \$1000     \$ 500  
 \$ 250     \$ 100     \$ 50     \$ 25

Start or renew my individual membership in the Defense Fire Protection Association.

I've enclosed:

Industry Safety Personnel \$32  
 Government/Military/Fire Service \$16

Mail your check, Purchase Order OR you can charge your contribution! Just fill this in...

- Our check for \$ \_\_\_\_\_ enclosed     Government P.O.# \_\_\_\_\_  
 Visa     MasterCard     American Express     Diners Club     Carte Blanche

Card # \_\_\_\_\_ Exp. Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Signature \_\_\_\_\_

Name: \_\_\_\_\_  

Dr./Mr./Ms.
First
Initial
Last (MD/PhD)

Title: \_\_\_\_\_

Org/Company: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

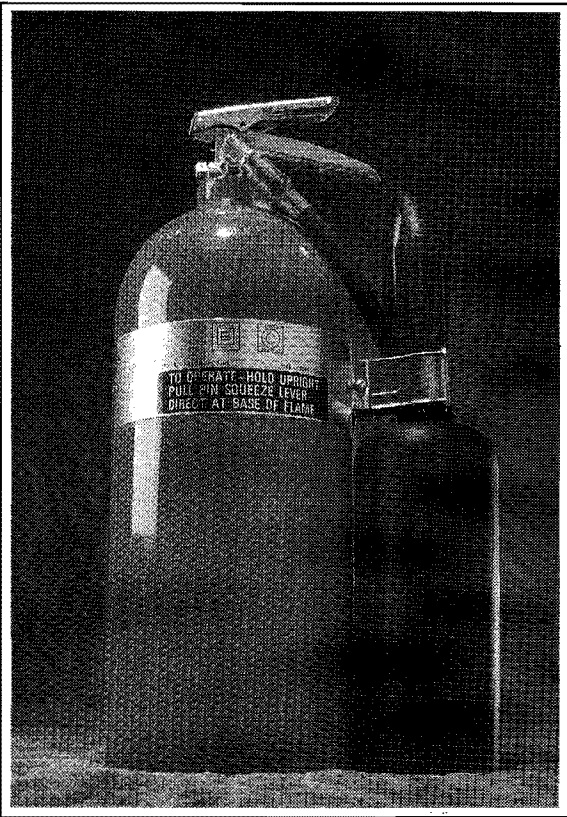
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone: (\_\_\_\_) \_\_\_\_\_ FAX: (\_\_\_\_) \_\_\_\_\_

Please provide a one to three sentence description of you and/or your organization's mission in the fire safety and environmental protection areas. For individual membership, list areas of interest and expertise.

# Luxfer

## Aluminum CO<sub>2</sub> Cylinders



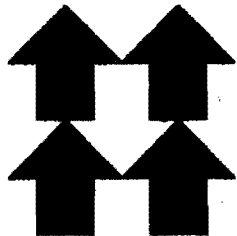
**Clean** Rustfree aluminum won't scale or corrode to clog the valve, and exterior surfaces retain a superior appearance. Also, the inside of each cylinder undergoes a special cleaning treatment during manufacturing.

**Lightweight** Aluminum cylinders are up to 40% lighter than steel for easier handling.

**Safe** Luxfer aluminum cylinders have DOT 3AL approval and, with proper care, have an *unlimited life*. There are over 18 million Luxfer aluminum cylinders in service today!

**Luxfer Quality** Thicker walls and special aluminum alloy make Luxfer aluminum cylinders stronger than comparable steel cylinders. They are able to absorb more impact and have greater resistance to damage from accidental dropping.

Luxfer. . . The preferred cylinder for CO<sub>2</sub> Fire Extinguishers.



### Luxfer USA Limited

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