



Society of Fire Protection Engineers

New Jersey Chapter

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First V.P. – Rich Reitberger – 973-541-6776
Second V.P. - Glenn Deitz – 973-822-7396
Past President – Chuck Gandy – 973-541-6712
Director - Pat Egan - 973-541-6862
Director - Frank Savino - 908-688-0300 Ext. 222

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Asst. Treasurer – John Cholin – 201-337-8621
Secretary – Edward Armm – 212-695-6670
Asst. Secretary – Brad Hart – 212-837-0827
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Director – Bob Hall – 908-995-4786

FUSIBLE LINK

www.njsfpe.com

<http://groups.yahoo.com/group/sfpenjchapter>

December 2003

President's Message

As winter now approaches and we think of the Holiday Season with loved ones and friends, the year is almost over. Where did it go and why so fast? Did we get done all that we wanted to do? I hope so.

Coming up we have our December meeting where we are giving Glenn Kasper our John V. Kelly Excellence in Government Award. We should all try to make this meeting and support this award. Joe Janiga will also be discussing the "Mechanics of Pressure Regulating Valves."

Another reminder concerning dues: please pay if you have not already done so. Remember if you include your email address dues are only \$15.00, otherwise they are \$25.00. For those of you that did not pay dues for 2003-2004, you will be getting a special reminder.

Don't forget the SFPE Membership Referral Rewards Program. If you have someone join SFPE you will get rewards points. For 1 referral, an SFPE Report. For 2 referrals, a \$100 credit on SFPE publications, events or merchandise. For 3 referrals, one year free SFPE Membership. If you would like more information or application forms give me a call.

Happy Thanksgiving and see you December 1st.

SLICER & ASSOCIATES, L.L.C.

Fire Protection and Loss
Prevention Consulting

J. Sargent "Sarge" Slicer

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Morris Plains, NJ 07950

Office 973-993-5947
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Member – SFPE & NFPA

sargeslicer1@myibocs.com

NJ SFPE Membership Meeting Minutes November 03, 2003

1. President Sarge Slicer called the meeting to order at 6:20 PM.
2. There were approximately 40 attendees. Rich passed out tickets for a door prize while everyone introduced themselves.
3. Rich brought a new member for vote and a motion was made and carried for Bill Wiman's membership.

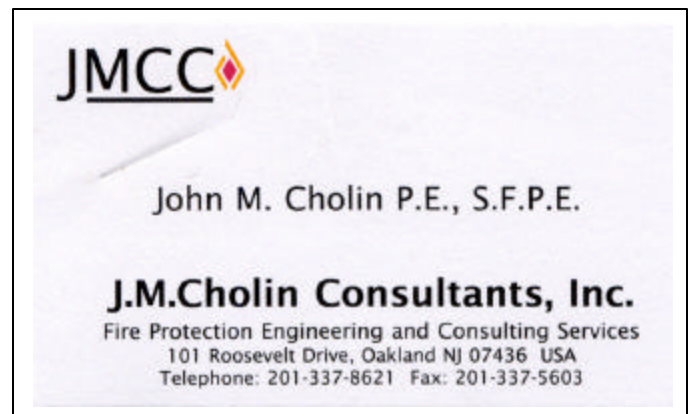
4. Brad read the minutes from the October meeting as Ed Armm did not attend in October. A motion was made and carried to accept them.
5. Dave Gluckman read the Treasurer's Report and a motion was made and carried to accept it.
6. Sarge asked if everyone received their *Fusible Link* and used that as a smooth segue to remind everyone that the dues notices were included. Sarge told the membership that only 31 of 180 members had renewed.
7. Chuck Gandy won the door prize which was a chapter pen.
8. Rich introduced our speaker for the night, Fay Purvis of Vector Fire Technology, Inc.
9. Mr. Purvis has been an integral part of the flammable liquid fire protection industry since 1972. He spent 27 years with National Foam, Inc., and has served on National Fire Protection Association (NFPA) Technical Committee of Foam NFPA 11 since 1987.
10. The presentation was about Planit Safe which involves a new concept for testing foam systems without releasing any foam concentrate to the environment. An alternative non-foaming environmentally benign test liquid is used in place of the foam concentrate stored in the system. This substitute liquid is specifically formulated to mimic the physical properties of the actual foam concentrate while having characteristics that enable its injection rate to be monitored by refractive index or preferably conductivity measurement.

These are the two industry accepted methods of determining proportioning system injection rate as described in NFPA Standards 11, 16, 16A and 409. Since the proportioned solution from a Planit Safe test is non-foaming and contains no environmentally harmful chemicals, it is

usually acceptable for direct release to storm drains leading to municipal waste water treatment facilities. Detailed information relative to the effluent released must be provided to local authorities having jurisdiction prior to the system test. MSDS documentation containing detailed environmental information such as BOD and COD are available for most test liquids from Vector Fire Technology, Inc. The Planit Safe testing procedure is applicable to bladder tank and pump type balanced pressure proportioning systems. This method can save considerable time and expense while preventing possible environmental and effluent discharge issues related to foam solution discharge. More information is available at the companies' web site. <http://www.vectorfire.net>

After a number of questions Mr. Purvis left us with CD-ROMs that contained the presentation as well as additional information covering Planit Safe and Vector Fires other services.

11. The meeting was adjourned at approximately 8:30 PM.



The following will be the last segment in a series of articles in the *Fusible Link*. It has been taken from “*The Sixth Fire Suppression & Detection Research Application Symposium, Tampa, FL 23-25 January 2002.*”

FIRE DETECTION AND SUPPRESSION STUDIES AT KEMANO VILLAGE

(Part V)

4.0 Conclusions

NRC Completed a series of fire experiments of a cross-linked-polyethylene pipe sprinkler system in a residential dwelling at the Kemano Village. This residential sprinkler system was designed to prevent flashover within the compartment of fire origin and to allow response time for the fire department. In all four experiments, a single sprinkler head controlled and contained the fire within the fire origin within 1 minute of the sprinkler activation. The sprinkler water spray cooled down the fire compartment allowing safe evacuation of occupants and deployment of firefighting personnel. Since the sprinkler successfully controlled the fire in each experiment, the fire damage was limited to the furniture that was near the ignition source. The walls, open wood joists or ceiling of the fire room had soot deposition but no major damage.

The unprotected cross-linked-polyethylene pipes and fittings were exposed to the temperature of as high as 140°C in the recreation room with open wood joists. After the exposure of temperatures above the rated temperature of 93°C at 552 kPa for 140 seconds, the pipes and fittings were not visibly damaged. The sprinkler system was successfully actuated to control the fire. Technical data obtained from the Kemano experiments can guide further studies with an increased fire challenge to the sprinkler systems.

The effectiveness of heat, smoke and carbon monoxide detectors was also investigated in the sprinkler experiments. As expected, the heat detector was always actuated earlier than the sprinkler. The rate of temperature rise triggered the heat detector. The smoke detector, installed on the egress route, was actuated before the sprinkler activation when the fire room was open to the egress route; it was actuated after the sprinkler activation when the fire room door was closed. During one experiment, the activated photoelectric smoke detector stopped sounding unexpectedly. This phenomenon needs further investigation.

NRC also completed a series of fire experiments on smoke detector response in residential dwellings at the Kemano Village. The smoke detector project

has produced experimental data that can be used to analyze the impacts of type, number, location and orientation of smoke detectors on occupant warning time. NRC is still analyzing the test data and will publish the results when this analysis is complete.

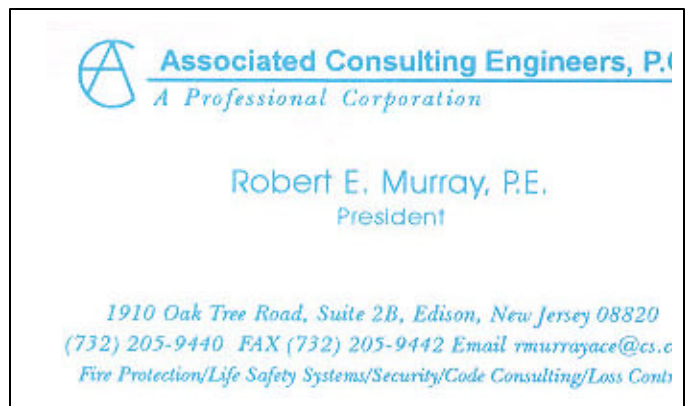
5.0 Acknowledgments

These studies were conducted by the National Research Council of Canada with the financial support of Underwriters’ Laboratories of Canada for the Smoke detector project and Wirsbo Canada Ltd. for the sprinkler project. NRC also acknowledges the logistic support from the B.C. Office of the Fire Commissioner and Alcan Smelters and Chemicals Ltd.

6.0 References

1. NFPA 13D, “Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes,” National Fire Protection Association, Quincy, MA, U.S.A., 1999 Edition, pp. 1-29.
2. UL 1626, “Residential Sprinklers for Fire-Protection Service”, Underwriters Laboratories, Northbrook, IL, U.S.A., 1994, 2nd ed., Section 26.1.1 (d).

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CAREER OPPORTUNITIES

More detailed information is contained in previous Fusible Link issues and on www.njsfpe.com

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(4)Associated Fire Protection is seeking a person with a degree in engineering to design fire

protection systems for all types of commercial facilities and be involved in technical sales activities. This position will provide the engineer the opportunity to work on a wide variety of electrical and mechanical engineering projects in which some of the latest fire protection technology can be applied.

A typical project would include: conducting a job site survey, designing a fire detection and/or suppression system to meet the customer's needs and performing the calculations required to determine that the system will perform as designed. The engineer would then submit the approved plans (signed by AFP's P.E.) to the local fire official for permit applications and would perform periodic job site inspections to insure that the plans were being followed correctly. Upon job completion, the engineer would arrange for inspection/approval by the local municipality and then turn over all plans to AFP's System Service Dept. for the scheduling of periodic inspections.

This position would also involve technical sales responsibilities, including determining the viability of potential engineering projects, preparation and tracking of project quotes and the actual closing of sales for projects.

SPECIFIC DUTIES

- A) Design of fire protection systems
 - hydraulic calculations for sprinkler, fm-200, halon, & CO2 systems
 - prepare plans and specifications for new and existing work
 - design control logic for fire alarms and suppression systems
 - operate CADD system
- B) Supervision of projects
 - insure that material gets to job
 - secure permits for work
 - insure that men are trained and properly scheduled
 - review technical progress of projects
 - maintain profitability of projects
- C) Preparation of job cost estimation and quotes
- D) General engineering
 - maintenance of facilities
 - time studies to make operations more efficient
- E) Technical Service

- learn the technical aspects of servicing fire protection equipment
- act as emergency service supervisor during duty weeks

QUALIFICATIONS

- A) Engineering Degree
- B) Computer Literacy
- C) Ability to interact well with customers and installers
- D) Mechanical and electrical aptitude

Candidates please contact:

100 Jackson Street
Paterson, NJ 07501
Tel. (973) 684-4500 Ext. 140
Fax (973) 684-4511
sstraten@afpfire.com



(4)JOB TITLE: SENIOR FIRE PROTECTION ENGINEER

JOB DESCRIPTION: Responsibilities include the application of fire protection engineering principles to deliver the Best Total Solution to our clients. Theoretical knowledge and practical experience will be creatively combined to solve fire protection problems. Responsibilities will include acting as Project Manager for the majority of the projects worked on, and nurturing the client relationship. A successful project is one that delivers a high level of value to the client, as the client defines value.

Engineering activities may include the design of fire suppression and fire alarm systems; performing on-site construction quality reviews; code evaluation; code equivalency studies and negotiations; fire hazard analysis; performance-based design; fire modeling; failure analysis and litigation consultation. Projects are for multiple clients throughout North America. Travel is expected to be in the 10 to 30 percent range.

QUALIFICATIONS: The ideal candidate must have at least 6 to 10 years experience in fire protection engineering

consulting. Experience should be diverse and cover most of the areas described above. A Bachelor of Science degree in Mechanical, Electrical, Chemical, Civil or Fire Protection Engineering is desired. A P.E. in Fire Protection Engineering is preferred but not absolutely required. A Masters degree in Fire Protection Engineering is a plus.

Proven expertise in developing creative and unique engineering solutions to complex problems that deliver value to a wide variety of client types including owners and architects is essential. Excellent communication skills, both oral and written are essential skills to be successful in this position.

COMPENSATION/BENEFITS: Compensation will be based on ability and experience, and will consist of a competitive salary, 401K plan, medical/dental plan, and bonus plan based upon individual and company performance.

Contact:

DAVID BERTSCHE, CSAM

Fire Protection, Construction, Architecture, Engineering
MANAGEMENT RECRUITERS Cincinnati / Sharonville

EMAIL: wdb@mricinci.com

Tel: (800) 889 - 9294 Ext. 110

(513) 769 - 4747 Ext. 110

Fax: (513) 769-0471

Website: www.mricinci.com

Jobboard: www.brilliantpeople.com

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**NJ Chapter SFPE Proudly
Announces
Award Dinner for**

Glenn Kasper

**NJ State Fire Commission Secretary
Named 2003 Recipient of the
John V. Kelly
Excellence in Government Award
Monday, December 1, 2003
(at Regular Dec meeting)**

AT

Hanover Manor

16 Eagle Rock Ave, East Hanover, NJ

Phone 973-992-7425

Cocktail Hour: 5:00 - 6:00 pm (Cash Bar)

Dinner at 6:00 pm

Program to follow

**RSVP TO: Vicki Serafin 973-541-6771
Affiliated FM Ins. Co.
400 Interpace Parkway
Building C - Third Floor
Parsippany, NJ 07054-1196**

NAME: _____

TELEPHONE: _____

Prime Rib

Salmon

**ALL RESERVATIONS SHOULD BE
RECEIVED BY FRIDAY, November 28,
2003. TELEPHONE RESERVATIONS
OR CANCELLATIONS SHOULD BE
RECEIVED BY NOON OF THE DINNER
DAY.**

MEETING DATES/PROGRAM 2003-2004

(Programs Subject to Change)

Watch web page concerning cancellation In case of possible inclement weather conditions

Dec. 1	The Mechanics of Pressure Regulating Valves – Joe Janiga, FM Global and presentation of the John V. Kelly Excellence in Government Award will be presented to Glenn A. Kasper
Jan. 5	Voice Evacuation and Response Systems – What's New – Speaker to be determined
Feb. 2	Ramifications of 9/11 to Industry – Panel Discussion/Presentation - Bob Baker, FM Global, Mike Newman, Johnson & Johnson, Brad Hart, Willis of NY
March 1	Gas Agents: Which Ones Are Best – A Review of the Latest Agents
April 5	Engineering Ethics
April	NJ Chapter Seminar
May 4 -Tues.	Plant Facility Tour, Numerous Types of Fire Protection System Applications Will Be Reviewed
June 7	Annual Meeting – Election of Chapter Officers Jahn Foundry Loss Analysis & Discussion – John Cholin
June 28	Joint NY/NJ chapter Golf Outing to Support the Scholarship Fund – to be held at West Point

***Watch Web Page for Weather Announcement**

POSITIONS TAKEN BY SPEAKERS ARE NOT NECESSARILY THE POSITION OF THE NJ S.F.P.E.

All meetings are held at the Hanover Manor, Eagle Rock Road, Hanover, NJ (approximately 1/2 miles west of Eisenhower Parkway). Get Acquainted Hour 5:00-6:00 p.m. Adjournment is usually before 8:30 p.m. The Executive Committee meets at 4:00 p.m.

Editors Note--If you would like to advertise your company and help offset the cost of this publication, as well as having your business card in front of over 150 Fire Protection Professionals please call John Cholin at (201) 337-8621 for further information. The cost is \$100 for 10 issues.

COMMITTEES 2003-2004

Standing Committees

Program:

Mike Newman, Peter Rullo, Co-Chairs, with input from all members
Consulting – Nick Chergotis & Chuck Gandy

Arrangements:

Mike Newman, Peter Rullo, Co-Chair

Membership :

Rich Reitberger, Chairman

Nominating:

Chuck Gandy, Chairman
Glenn Deitz
Bob Murray

Scholarship Fund:

Rich Reitberger, Chairman
Robert Hall
Mike Machette

Auditing:

Joe Janiga

Archivist:

Rich Reitberger (FM Global Library)

Historian:

Jim Tolos

Communications:

Fusible Link : Brad Hart, Editor

Dave Gluckman, Asst. Editor
Ana Crisostomo, Publishing
Vicky Serafin, Mailing/Automation

Special Committees

Bylaws: Jim Tolos, Chairman

Joe Janiga – Co-Chairman

Career Recruitment:

Al Dopart, Chairman
Tom Brereton
Joe Stavish
Glenn Deitz
Dave Gluckman

Golf Outing:

Richard Reitberger, Chairman

Awards: John Ed Ryan

Jim Tolos
Frank Savino

NY Chapter Liaison:

Rich Reitberger (Pat Egan back-up liaison)

PE Examination:

John Cholin, Chairman
Joe Janiga
Mike Newman
Chuck Gandy

Joint Seminar/Chapter Seminar

Richard Reitberger, Chairman
Nick Chergotis
Pat Egan
Dave Gluckman

Legislative:

Rich Reitberger, Chairman

Special Executive Assistant to the Board:

Vicki Serafin

Vicki Serafin
Affiliated FM
400 Interpace Parkway,
Bldg C – 3rd Floor
Parsippany, NJ 07054-1196
Phone: (973) 541-6771
Fax: (973) 541-6909

MEETING NOTICE

Date: Monday, December 1, 2003

Place: Hanover Manor
16 Eagle Rock Avenue
East Hanover, NJ

Price: In Advance - \$22 At Door - \$25

Dinner: 5:00-6:00 (Cash bar for mixed drinks)
Dinner at 6 PM

Speaker: Joe Janiga, FM Global

Topic: “The Mechanics of Pressure Regulating Valves”

All officers, directors, and committee chairman are requested to attend a meeting at 4:00 p.m. at the Hanover Manor.

Please note for this meeting:

**PLEASE COMPLETE AND RETURN WITH YOUR CHECK PAYABLE TO
"SFPE N.J. CHAPTER" TO:**

Vicki Serafin
Affiliated FM
400 Interpace Parkway, Bldg C – 3rd Floor
Parsippany, NJ 07054-1196

Prime Rib

Fish

NAME: _____

COMPANY: _____ TELEPHONE _____

ALL RESERVATIONS SHOULD BE RECEIVED BY **FRIDAY, November 28, 2003**. TELEPHONE RESERVATIONS OR CANCELLATIONS SHOULD BE RECEIVED BY NOON OF THE MEETING DAY.



RENEWAL APPLICATION & 2003-2004 DUES NOTICE

Name: _____

Title: _____

Company: _____

Business Address: _____

Address: _____

Fax: _____ Phone: _____

Home Address: _____

Address: _____

Phone: _____

Preferred Address: _____ Business _____ Home

E Mail Address*: _____

***PLEASE PROVIDE US WITH YOUR E-MAIL ADDRESS EVEN IF WE HAVE IT ALREADY SO WE MAY UPDATE OUR RECORDS. THIS IS VITAL INFORMATION THAT WILL SIGNIFICANTLY REDUCE POSTAGE EXPENSE AND DISTRIBUTION TIME. ALSO, IT WILL ENABLE US TO PROVIDE YOU WITH IMPORTANT AND TIMELY NOTICES SUCH AS MEETING CANCELLATIONS DUE TO INCLEMENT WEATHER. A \$10 DISCOUNT WILL APPLY TO THE ANNUAL DUES SHOULD YOU CHOOSE TO RECEIVE THE FUSIBLE LINK AND MEETING NOTICES BY E-MAIL.**

1. Are you a current member of the International David Gluckman Dues
- 2003-2004: \$25.00 Hard copies of Fusible Link and SFPE? _____ Yes _____ No
Gade? _____

If not, would you like a membership application? _____ Yes _____ No

2. Are you interested in NJ Chapter Committee Participation? _____ Yes _____ No

PLEASE REMIT BY - November 30, 2003

MAKE YOUR CHECK PAYABLE TO - **"NJ CHAPTER SFPE"**

MAIL YOUR CHECK TODAY WITH THIS APPLICATION TO:

David Gluckman	Dues - 2003-2004: \$25.00	Hard copies of Fusible Link and Meeting Notices via regular mail.
Willis of New Jersey, Inc.		
25B Vreeland Road, Suite 212	\$15.00	E-mail copies of Fusible Link and Meeting Notices.
P.O. Box 651		
Florham Park, NJ 07932-0651	\$ 0.00	Retired members

Thank you for your continued support!