



Society of Fire Protection Engineers

New Jersey Chapter

Editor Fusible Link:
Brad Hart & Ana
Crisostomo
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Fax (212) 344-3060

President – Sarge Slicer – 973-993-5947
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

Treasurer– Dave Gluckman – 973-410-4635
Asst. Treasurer – John Cholin – 201-337-8621
Secretary – Edward Armm – 212-695-6670
Asst. Secretary – Brad Hart – 212-837-0827
Director - Bob Murray - 732-205-9440
Director – Bob Hall – 908-995-4786

FUSIBLE LINK

www.njsfpe.com

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

October 2003

NJ SFPE Membership Meeting Minutes September 08, 2003

1. The meeting was called to order by President Sarge Slicer.
2. Dave Gluckman read the Treasurer's Report and a motion was made and carried to accept it.
3. Ed Armm read the minutes from the June 2nd meeting as recorded by Frank Savino and a motion was made and carried to accept them.
4. Rich Reiteberger announced two new people seeking membership to the Society, Chris Larlee and Andrew Savarese as supporting members, they were accepted by the board and general membership. Rich also informed the attendees that the NJ SFPE luggage tags featuring their personal business cards on one side and our chapters logo on the other are available for \$1.00.
5. Rich reported on the wealth of information available at our chapters Yahoo.Com site <http://groups.yahoo.com/group/sfpenjchapter/>. Signing on is easy.
6. Sarge asked for a show of hands of all those that will be attending the National meeting in Baltimore. Approximately eight from the NJ Chapter will be attending.
7. Jim Tolos informed the membership that the National Newsletter had two articles about our chapter and read them to us.
8. Our newest member, Chris Larlee, won the door prize (a lovely pen with the chapter logo).
9. Ed Armm introduced the night's guest speaker, Scott Nichols, Vice President of Northern Fire Safety and President of NJ NAFED (National Association of Fire Equipment Distributors). Scott is chair of the advisory committee and was instrumental in the creation and passing of the "Standards for the Installation or Maintenance of Fire Protection Equipment and Certification of Contractors" bill which became effective July 1, 2002.
10. Scott's presentation included a copy of the bill which was handed out to the membership. Scott gave the Society an overview of the bill after which he centered on how it will affect the membership. There is a question as to if there will

be any effect on Registered Professional Engineers as there appears to be an exclusion requiring any further certification, however, the PE will have to be in the fire alarm field of practice to be excluded from the requirements of State Certification.

- 11. The second major issue concerning our membership is that of large corporations that perform their own maintenance and testing. This issue is still under review and at this time we do not know if certification will be mandated for those individuals working for our corporate and industrial members.
- 12. For those with questions Scott provided the name of Bill Kramer of the Division of Fire Safety who should be used as our liaison for information and clarification concerning this bill.



NJ Chapter SFPE Fall Seminar

*Society of Fire Protection Engineers
 NJ CHAPTER
 Proudly Announces*

TECHNICAL SEMINAR FALL 2003
Tuesday October 14th, 2003
FM Global Office, Parsippany, NJ

Highlights

PLASTICS IN CONSTRUCTION HAZARDS

This is a half day Technical Seminar with presentations by the National Fire Sprinkler Assoc. and FM Global Research.

Representatives of the National Fire Sprinkler Assoc. will summarize their involvement in the investigations and findings of the tragic February 20, 2003 Station Nightclub fire in West Warwick, RI, with respect to automatic sprinkler technology, effects and installations.

J. C Harrington of FM Global Research will present the hazards and protection methods associated with plastics in construction, specifically plastic wall and ceiling panels, duct work and skylights.

Some devastating fires involving plastic construction materials have occurred in recent years and, in each case, the whole building along with its contents was engulfed in fire very quickly, resulting in a total loss. Some experts say, due to plastics in construction, we now have to worry about "buildings on fire" rather than "fires in buildings." The science of the hazard will be reviewed.

Time: 8:30 a.m. - 1 p.m.

Place: FM Global
 400 Interpace Parkway, Building C - Third Floor
 Parsippany, NJ 07054
 (parking at the rear of the building - top deck of parking garage)

Course CEU's will be awarded for those who attend (0.4 CEU/4.0 contact hours).
 Coffee and Danish will be served in the AM.

Please Note: Due to limited space the seminar is only open to members of the NJ Chapter SFPE. Space will be limited to 50 people max.

REGISTRATION FORM REGISTRATION LIMITED

Price for the seminar is **FREE**

Name _____

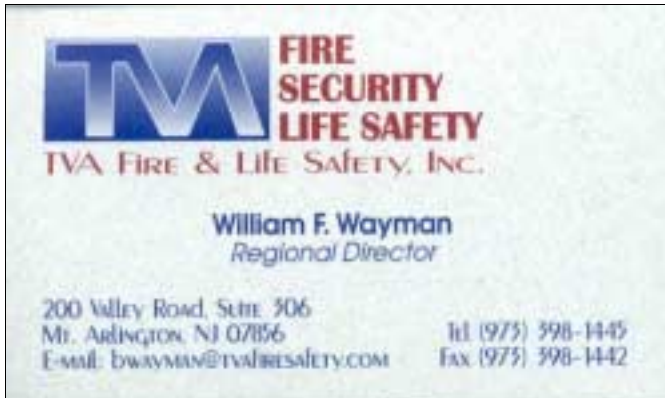
Address _____

Phone No. _____

City _____ State _____ Zip _____

FAX THIS FORM TO:

Vicki Serafin at 973-541-6909
or call Vicki at 973-541-6771 to reserve your seat



The following will be a 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 III)

2.3 Sprinkler Test 3

The third experiment was conducted in a bedroom (#1) on the ground floor. The bedroom was 3.94 m long, 3.20 m wide and 2.44 m high with one sprinkler head (#1) inside the bedroom. The designed flow rate was 54.9 L/min for this sprinkler head. The bedroom door was kept open during the experiment.

A queen size bed was placed 0.15 m from a wall. A small fuel pan was placed under the bed, with the bedspread touching the pan. A small amount of diesel (150 ml) was poured into the pan as an ignition source. The fire was started by igniting the

diesel in the fuel pan. Within 1 minute, the fire was fully developed to 1.5 m high in the bedroom corner and light smoke moved to the corridor.

A photoelectric smoke detector in the corridor actuated 45 seconds after the ignition. At that time, the smoke layer was still close to the ceiling and the visibility in both the bedroom and the corridor were still very good.

A heat detector inside the bedroom actuated 57 seconds after the ignition. The heat detector was actuated by the rate of temperature rise since the bedroom ceiling temperature was only 45°C at that time. Smoke was seen to move to the foyer ceiling at the same time. About 71 seconds after the ignition, the smoke layer dropped to eye level in the corridor and the foyer visibility was still acceptable for evacuation purposes.

The sprinkler head (#1) inside the bedroom actuated 84 seconds after the ignition. This single sprinkler head controlled and contained the fire under the bed in 1 minute. A few seconds later, visibility was lost in the bedroom and the nearby corridor. Temperatures measured by a thermocouple installed in the attic space (6 mm inside the drywall ceiling) right above the fire, were 54°C at the maximum. A carbon monoxide detector, which was installed in the corridor at a 0.30 m height, indicated that CO concentration in the corridor was less than 13 ppm when the sprinkler actuated. The CO detector was actuated 7.5 minutes at the sprinkler activation when the CO concentration in the corridor reached 600 ppm.

The water supply to the sprinkler was shut off 10 minutes after the sprinkler activation. Firefighters entered the house, opened the bedroom window and used a fire hose to spray water onto the bed.

Since the sprinkler contained the fire under the bed, the top of the bed was not burnt. The major damage was underneath the bed (the box spring and the underside of the mattress). It should be noted that after the experiment the mattress and the box continued to smolder. Smoke was seen to arise in the bedroom corner underneath the bed. Firefighters were called in again to extinguish the smoldering fire inside the mattress and box spring and to remove them from the house.

An unexpected phenomenon was observed for the smoke detector during this experiment. Approximately one minute after the smoke detector activation, the audio alarm changed from a pulsed beep to a continuous sound. This continuous sound lasted for approximately another 2 minutes and then the smoke detector stopped sounding for the rest of this experiment.

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(2)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

FIRE & RISK ENGINEERING

Fire Protection Engineering - Risk Management
 Fire/Explosion Modeling & Reconstruction – Forensics - Codes
 Water Supply, Fire Defense and Risk Assessments

Robert Malanga, P.E. – President

9 Flintlock Drive, Suite 100 - Long Valley, NJ 07853
 Tel: (908) 876-3255 Fax: (908) 876-4299 www.fire-risk.com

 **Associated Consulting Engineers, P.A.**
A Professional Corporation

Robert E. Murray, P.E.
 President

*1910 Oak Tree Road, Suite 2B, Edison, New Jersey 08820
 (732) 205-9440 FAX (732) 205-9442 Email rmurrayace@cs.e
 Fire Protection/Life Safety Systems/Security/Code Consulting/Loss Con*

CAREER OPPORTUNITIES

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

- 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

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

Associated fire Protection
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SPRINKLER SYSTEMS

 Call Today 1-888-FIRE FIX Buy Online at www.afpfire.com

(2)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;

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(3)The U.S. General Services Administration - Public Buildings Service is the federal government's largest real estate organization,


owning and leasing over 8000 properties. (see www.gsa.gov/pbs) The Northeast and Caribbean Region is currently seeking a fire protection engineer for their Manhattan office. Salary range is \$71560-\$93031 commensurate with experience. To apply go to www.gsa.gov, click on "GSA Jobs" and refer to announcement 0320854DEU. Job will be open from 5/5/2003 to 6/2/2003. You can send an e-mail to "safety.r2@gsa.gov" or call 212-264-4461 for help or additional information.

Sales Service Installation Inspection
 Fire alarm panels, Sprinkler systems,
 Kitchen detection systems, CCTV
 Card access systems, Extinguishers,
 Monitoring

(4) **HSB Professional Loss Control** has possible part time opportunities for retired, semi-retired and underemployed loss control and fire protection engineers. Anyone that is interested can contact:

Maurice Marvi
 HSB Professional Loss Control
 (800) 222- 0483 x8020

Alpha~Omega Engineering, PA.
 Fire Protection - Alarms - Security Systems - Mechanical & Electrical
 Design Build Services and Custom
 Inspection & Maintenance Programs
Contact: George Koutsoubis P.E.
 Email: George@AOServices
 Web Page: www.AOServices.Net
 Tel (732) 826-6162 - Fax (732) 324-0057
 235 Water Street - Perth Amboy - NJ 08861



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 39A Myrtle Street • Cranford, NJ 07016-3456
 Tel. (908) 272-0066 • Fax (908) 272-8144

J.M. CHOLIN CONSULTANTS, INC.
 CONSULTING SERVICES -
 FIRE PROTECTION ENGINEERING
 JOHN M. CHOLIN, P.E.
 101 ROOSEVELT DR. OAKLAND, N.J. 07436 U.S.A.
 TEL: 201-337-8621 FAX: 201-337-5603

(4) Sprinkler technicians needed. Inspection, fitter, &/or repairs. Experienced technicians need only apply. Excellent pay & benefits. Please call Atlantic Fire Service 973-887-9494.

Todd Abrams
 Atlantic Fire Service
 401 Rt. 10
 Whippany, NJ 07981
 973-887-9494 fax-887-0332
 visit us at:
<http://atlanticfireservice.com>



MEETING DATES/PROGRAM 2003-2004

(Programs Subject to Change)

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

Oct. 6	Fire Safety Managers New Jersey City Ordinance 01-088. How Jersey City handles high rise exposures – Captain Edward Mike, Fire Official, Jersey City
Oct. 14	NJSFPE Seminar – “Rhode Island Nightclub Fire” - Representatives from the National Fire Sprinkler Assoc. , “Plastics in Construction” – JC Harrington, FM Global
Nov. 3	Planet Safe – “A Clean Approach to Foam System Testing” – Gary Purvis, Vector Fire Technology
Dec. 1	The Mechanics of Pressure Regulating Valves – Joe Janiga, FM Global
Jan. 5	Voice Evacuation and Response Systems – What’s New – Speaker to be determined
Feb. 2	Ramifications of 9/11 to Industry
March 1	Gas Agents: Which Ones Are Best – A Review of the Latest Agents
April 5	Engineering Ethics
April	NJ Chapter Seminar
May 3	Plant Facility Tour
June 7	Annual Meeting – Election of Chapter Officers John Foundry Loss Analysis & Discussion – John Cholin

***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, October 6, 2003

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

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

Dinner: 5:30-6:30 (Cash bar for mixed drinks)
Dinner at 6:40 pm

Speaker: Captain Edward Mike, Fire Official, Jersey City

Topic: Fire Safety Managers New Jersey City Ordinance 01-088. "How Jersey City Handles High Rise Exposures"

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, October 3, 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: _____

Fax: _____ Phone: _____

Home _____

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 SFPE? ____Yes ____No Grade?_____

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
Willis of New Jersey, Inc.
25B Vreeland Road, Suite 212
P.O. Box 651
Florham Park, NJ 07932-0651

Dues - 2003-2004: \$25.00 Hard copies of Fusible Link and Meeting Notices via regular mail.
\$15.00 E-mail copies of Fusible Link and Meeting Notices.
\$ 0.00 Retired members

Fusible Link Editors NJSFPE
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