Message from the President

The Board of Directors and I want to welcome you to the 26th year of the New Jersey Chapter SFPE. We think it will be a very exciting year by the programs and seminars we have put together - see last page for current listing.

As a little background on myself, I have been involved in the fire protection business for over ½ a century and on the payroll for over a ¼ century. I have seen the many changes that have occurred from going from palletized storage to racks and metal to plastics products all of which have presented unique challenges to the fire protection community. We have gone from simple pipe schedule systems to sophisticated hydraulically designed ones with the help of the now indispensable computer. The old ½ inch spray sprinkler has been replaced with the ESFR, K11, K14, K25 and the K?? because I know we are not done yet.

As for my SFPE background I joined the New England Chapter in 1971 and worked my way up thru the chairs and interesting enough was Chapter President in their 26th year, so history does have a way of repeating itself. That too was a very good year.

On a serious note of Chapter business, at the July Board of Directors Planning Meeting it was voted and approved to increase the Chapter dues from $15.00 to $25.00. This increase is primarily due to the increased cost of mailing out our Fusible Link and meeting notices. To that end the Board also decided if you provide us with an email address so we can email you the Fusible Link, meeting notices and any other Chapter items we would offer a $10.00 discount. As this is a change in our By Laws it does require an affirmative vote of its membership at two (2) consecutive Chapter meetings.

The first reading and vote will be at our September 9th meeting and the second will be at our October 7th meeting. Dues notices will then be mailed out on October 8th.

Finally, I want to promote our upcoming Technical Seminar, September 27th on "World Trade Center Collapse Study & Lessons Learned - A review of the Finding of the FEMA Sponsored Investigation Report". We are fortunate to have one of its authors, Jonathan Barnet, Ph.D. of WPI making the presentation. We will also have Rita Fahy, Ph.D., of NFPA who will be talking about the comparison of the 1993 and 2001 WTC evacuations and how improvements made after 1993 help in 2001. It will be held at the Hanover Manor and Angelo has said he can accommodate any number so I want to put him to the test. Mark your calendars now and talk it up among your business associates.

Again I want to welcome you to the NJ Chapter's 26th year and look forward to seeing you all at our meetings.
1. Dave Gluckman read the minutes from the May 6, 2002, meeting and a motion was made and carried to accept them.

2. Sarge Slicer read the Treasurer's report and a motion was made and carried to accept it.

3. Karen Battipaglia received a $3,000 scholarship for the last two semesters with another application pending for the next semester. Also, a Scholarship Committee meeting to be held in August and the money in the fund will be moved to the NJ Chapter account this year.

4. The cut-off date to register for the NJ Chapter FPE review course will be 6/15/02. A bulletin e-mail was sent out reminding everyone about this cut-off date. Other PE exam preparation items include the GE GAP Web-based PE Review Course and videos from WPI, available for a price of about $600.

5. The Golf Outing will be on June 10, 2002 at Beaver Brook Country Club, with the NY Chapter to run the outing. The maximum number of attendees (144) was reached.

6. The NJ Chapter will be holding a seminar about the WTC disaster on September 27, 2002. The FEMA report on the WTC is available at the FEMA web site (fema.gov) or by calling 1-800-480-2520, pressing numbers 1 and 4, and telling them you want Report 403 (or via fax at 301-362-5335).

7. Chuck reported on the National SFPE meeting, and he mentioned that the NFPA 5000 Building Code was passed, which will require sprinklers in all new buildings, and that SFPE Development Week will be September 16-20. Also, SFPE Career Guides are available and John Cholin received a "Hats Off" award.

8. Bob Murray read the slate of officers for 2003 prepared by the nominating committee, and a motion was made and carried for the secretary to cast one ballot to elect next year's officers.


10. Chuck thanked everyone for all their support and help throughout the year during his tenure as President. Also, a NJ Chapter "Hats Off" award was presented to Rich Reitberger for all his help throughout the year.

### Technical Presentation Summary

Scott Martorano, National Technical Representative for the East Coast and Canada of Viking Corp., discussed Viking Upright ESFR Sprinkler Heads and other new technology. Currently, Viking manufactures 18 million sprinkler heads a year from two plants located in Michigan.

The Viking Model A-4 ESFR Upright sprinkler can be installed on top of piping up to three inches in diameter without a sprig. In addition, this may eliminate obstructions such as cross bracing and bar joists that present problems for pendant ESFR sprinklers since Model A-4 heads are installed in the upright position. This sprinkler is equipped with a fast-response fusible link, a 14.0 K-factor and a special deflector that directs water downward into the fire plume. The 3/4-inch NPT brass sprinklers are FM Approved for installation within 13 inches of the ceiling.

Based on fire testing, the Model A-4 ESFR Upright allows high-protection options that include allowable storage heights up to 30 feet under 35 foot ceilings for Class I-IV, encapsulated and unencapsulated, cartoned unexpanded, cartoned expanded plastics, and allowable storage heights up to 25 feet under 30 foot ceilings for Class I-IV, encapsulated and unencapsulated, cartoned expanded plastics.

In addition, some other Viking technology discussed included "cocoon", concealed, quick response and institutional type sprinkler heads and several new Viking valve and system products. Additional information regarding all Viking items is available at www.vikingcorp.com or at 800-968-9501.
Career Opportunities
More detailed information is contained in previous Fusible Link issues and on www.njsfpe.com

Risk Logic Incorporated (RLI) is looking for a Property Loss Control Consultant to conduct Highly Protected Risk (“HPR”) type loss prevention inspections and write technical reports. Candidates will need to work from home and be expected to travel overnight 5 nights per month. Primary responsibilities will include conducting property loss prevention evaluations with detailed Construction / Occupancy / Protection / Exposure (“COPE”) information as well as fire protection analyses, process hazard reviews and roofing system evaluations. The technical risk analysis will be conducted for large commercial and industrial manufacturing facilities and warehouses.

RLI is a property loss prevention and fire protection consulting engineering company that provides comprehensive unbundled services for insurance brokers, insurance carriers and direct with clients. Most of our services are performed nationwide. RLI has been in business for 5 years and has over 40 clients. Go to www.risklogic.com for more information.

Position Requirements: BS – Engineering Degree from an accredited college, PE license a plus. Minimum five (5) years Factory Mutual or equivalent experience. Expertise in conducting PML’s, NLE’s and MFL’s. Understanding of FM & NFPA codes. Strong technical writing skills. Self motivated person who can work efficiently from a home office. Computer literate (Microsoft Windows, Word, Excel, etc.). Adequate interpersonal skills to communicate effectively with various clients.

Position includes a competitive salary paid semi-monthly and a full benefit package including health insurance, dental plan, life insurance, long term disability, 401K, company bonus plan, and holiday / personal day vacation package.

If interested, please contact John Durante at durante@risklogic.com or (201) 930-0700.

SR. HPR FIRE PROTECTION ENGINEER-GEORGIA

SUMMARY:
Join a full-service Fire Protection Engineering and Consulting Firm that has become one of the industry's premier Fire Protection Engineering operations, with active projects in North America, South America, and Europe.

JOB DESCRIPTION:
Use your expertise in fire protection engineering/HPR loss control and creative problem solving skills to make a serious difference as a consultant for a large world-class corporation with multiple property locations.

- Assist site associates as an integral team member in an intelligent, proactive effort to keep the negative impact of hostile fires within acceptable limits through the most economical means possible.

- Develop relationships with corporate risk management, as well as key management and engineering personnel at numerous manufacturing and distribution facilities. You will become a trusted advisor to management, safety and engineering associates at each site.

- Provide a wide array of services including surveys, fire hazard evaluations, fire protection system design, training, construction review, development of creative solutions to reduce fire risk, and negotiation with the insurance underwriter, and with local building and fire/code officials.

QUALIFICATIONS:
- This position requires 10 to 12 years experience and training with a major HPR property insurance underwriter. Experience as an account engineer with an insurance broker or underwriter handling large property accounts is important.

- A Bachelor of Science degree in Mechanical, Electrical, Chemical or Fire Protection Engineering is desired.
- A P.E. in Fire Protection Engineering is preferred.

- Proven experience in satisfying the loss control needs of property-driven accounts to a high degree. You must demonstrate excellent communication skills, both oral and written.

**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.

Travel throughout North America on a frequency of up to approximately 50%.

Candidates should contact:
Donna J. Baker, PHR
Recruiting Solutions, Inc.

dbaker@rsigrp.net
757 SE 17th Street, Fort Lauderdale, Florida 33316
Local 954-772-0241 EST
Toll Free 866-772-0241

**SENIOR FIRE PROTECTION ENGINEER - GEORGIA**

**SUMMARY:**
Join a full-service Fire Protection Engineering and Consulting Firm that has become one of the industry's premier Fire Protection Engineering operations, with active projects in North America, South America, and Europe.

**JOB DESCRIPTION:**
Responsibilities involve the application of fire protection engineering fundamentals to deliver the Best Total Solution to our clients. Theoretical knowledge and practical experience will be combined to solve fire protection problems. Responsibilities will include acting as Project Manager for up to 50% of the projects worked on.

Engineering activities may include the design of fire suppression and fire alarm systems; performing quality oversight during construction; code evaluation; code equivalency studies and negotiations; performance-based design; fire modeling; failure analysis and expert witness work.

Projects are for multiple clients throughout North America. Travel is expected to be in the 10 to 30 percent range.

**QUALIFICATIONS:**
- The right candidate must have at least 8 years experience in fire protection engineering.

- A Bachelor of Science degree in Mechanical, Electrical, Chemical or Fire Protection Engineering is desired. A Masters degree in Fire Protection Engineering is a plus.

- A P.E. in Fire Protection Engineering is required.

- 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. You must demonstrate excellent communication skills, both oral and written.

**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.

Candidates should contact:
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dbaker@rsigrp.net
757 SE 17th Street, Fort Lauderdale, Florida 33316
Local 954-772-0241 EST
Toll Free 866-772-0241

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The Schirmer Engineering Corporation, Deerfield, Illinois, has an immediate need for Code Consultants and entry to senior level Fire Protection Engineers and designers. Opportunities are available in the Boston, Chicago, Dallas, Denver,
Las Vegas, Los Angeles, Miami, Phoenix, San Diego, San Francisco and Washington, D.C. areas. The company offers a competitive salary and benefit package. Send resume to G. Johnson, Schirmer Engineering Corporation, 707 Lake Cook Road, Deerfield, Illinois 60015-4997; fax: (847) 272-2365; e-mail: gjohnson@schirmereng.com

FM GLOBAL JOB OPENINGS
FM Global’s Parsippany, NJ office has several job openings for engineers and underwriters in their HPR and Commercial Properties divisions. If you are interested in applying for any of the following you can e-mail your resume to joseph.janiga@fmglobal.com or call Joe at 973-402-2200x6774.

**LOSS CONTROL CONSULTANT NEEDED**

More detailed information is contained in previous issues of the Fusible Link and on line at www.NJSFPE.com

Qualified candidates can contact Rhonda Clarke at 212-770-5099.

SFPE National support Training for the FPE exam
A New Video Series (produced by WPI and SFPE) was available July 15, 2002, to help you study for the PE Exam in Fire Protection Engineering. The video series has a total of 9 hours of instruction given by respected professional experts in the field of fire protection. Some of the topics that are discussed in the videos are: Water Supplies, Building Systems, Fire Prevention, and Detection and Alarm Systems. For a reduced price you can purchase the PE Exam Package which includes the video series along with the Reference Manual for the PE Exam (a savings of $50). To purchase the video series or package visit www.sfpe.org or contact Rebecca Salzman at headquarters for order information.

Rebecca H. Salzman
SFPE Membership Marketing and Communications Coordinator
rsalzman@sfpe.org
301-718-2910

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Prepare Yourself at Home for the PE Exam in Fire Protection Engineering with this NEW Video Series

Worcester Polytechnic Institute (WPI) and the Society of Fire Protection Engineers (SFPE) jointly announce the availability of a new series of VHS videotapes produced specifically to assist professional engineers in preparation for the PE exam in Fire Protection Engineering. These tapes are only available through this WPI/SFPE offering. Availability is July 15, 2002.

You will receive a series of 4 VHS format videotapes with a total of 9 hours of instruction. The tape series covers all technical categories on the PE exam in Fire Protection Engineering. Included in the tapes are the following topics:

- Water Supplies
- Building Systems
- Water-based Suppression Systems
- Non Water-based Suppression Systems
- Detection and Alarm Systems
- Fire Prevention
- Hazard and Risk Analysis

These tapes are an excellent companion training tool to the Reference Manual for the PE Exam in Fire Protection Engineering available through the SFPE.

PE Exam Package- Purchase the reference manual and tapes for an additional $100 - a savings of $50.

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Send this form to: SFPE, 7315 Wisconsin Ave. Suite 1225W, Bethesda, MD 20814 or Fax: 301-718-2242. For international orders please charge 15% of the total order for shipping and handling. Please allow 2 weeks for shipping.
New Jersey Chapter
Proudly Announces

TECHNICAL SEMINAR 2002
Friday September 27, 2002
Hanover Manor
East Hanover, NJ

World Trade Center Disaster Study

The New Jersey Chapter of the Society of Fire Protection Engineers will be holding the annual Chapter Technical Seminar this year on the World Trade Center Disaster. Speakers will cover subject matter on the incident, building performance, evaluations for future considerations and a comparison of evacuations from prior events. The four speakers are experts in their respective fields and have developed excellent presentations. Fire Protection, Safety and Structural Engineers as well as Architects, Designers and Code Officials will benefit from the technical information and findings that will undoubtedly affect future building design and construction.

Seminar Location
Hanover Manor
16 Eagle Rock Ave
East Hanover, NJ
973-992-7425

Registration will be from 8:00 AM to 8:30 AM.

Coffee and danish will be served during registration.
A hot buffet lunch will be provided. The seminar will conclude at about 4:30 PM.

* Note: Course CEUs will be awarded for those who attend (0.5 CEU/5.0 contact hours).

**To obtain a copy of the FEMA report “WTC Building Performance Study” No. 403 call 1-800-480-2520 or fax request to 1-301-362-5335 include title and number of publication and your name and address including zip code and daytime phone number.
Morning Session

World Trade Center Incident
Presenter: Robert Duval, NFPA International

The World Trade Center site, a timeline and event summary will be presented and form the foundation for the follow on discussions and presentations. Building layouts, sequence of events and resulting damage will be outlined.

Overview of the Building Performance Study of the WTC Disaster
Presenter: Jonathan Barnett, Ph.D., FSFPE, Worcester Polytechnic Institute

Dr. Barnett will review the findings of the FEMA sponsored investigations, including both structural and fire behavior, and provide new information to the fire protection and structural engineering communities about the behavior of tall buildings exposed to fires. Fire modeling, structural modeling and laboratory analyses will also be discussed.

Afternoon Session

Learning from Disasters: Extreme Events Task Force
Presenter: Chris Marion, P.E., Arup

Using the combined skills in Fire Engineering, Risk Assessment and Building Design the task force concept is used to explore the implications on specification and design of buildings and possible routes to improvement on current practice. Arup used this approach and established an Extreme Events Mitigation Task Force to better understand the implications of the WTC & Washington events to clients and industry and will present their findings.

Comparison of the 1993 / 2001 Evacuations of the World Trade Center
Presenter: Rita Fahy, Ph.D, NFPA Fire Analysis & Research Division

Dr. Fahy, will compare the 1993 World Trade Center evacuation with first-person accounts of the September 11 evacuation as reported in the media. After the World Trade Center in New York City was bombed in 1993, NFPA and the National Research Council of Canada (NRCC) undertook a study of the evacuation of the towers. This study involved a survey of the participants in the fire safety plan for the towers, including particularly the floor fire wardens.

Immediately after the attack on the World Trade Center on September 11, 2001, the authors began compiling first-person accounts from the media describing the evacuation of the two towers that day. Of particular interest was the role that improvements made after the bombing in 1993 may have had in the evacuation in 2001. Following the 1993 bombing, the stairwell systems were redesigned, and these changes reportedly played a vital role in what is largely considered a highly successful evacuation.
World Trade Center Disaster Study

REGISTRATION FORM

REGISTRATION LIMITED – MAIL EARLY

Price for the seminar is $125 per person in advance
$145 per person as walk-ins
Proceeds to benefit Chapter Programs and the Scholarship Fund.

Make checks out to “SFPE NJ Chapter”

Name ___________________________________________________________
Address _________________________________________________________
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MAIL THIS FORM INCLUDING PAYMENT TO:

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Affiliated FM Ins. Co.
400 Interpace Parkway, Building C – Third Floor
Parsippany, NJ  07054-1196

For further info or directions call:
Rich Reitberger at 973-541-6776  or  Vicki at 973-541-6771
2002-2003
MEETING DATES/PROGRAM
(Programs Subject to Change)

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

Sept. 9 Plastic Pallets vs. Commodity Classification (TVA Presentation, Chuck to present)
Sept. 27 Seminar – WTC Investigation – Jon Barnett, WPI; Rita Fahy, NFPA & others
Oct. 7 National Fire Prevention Week
Nov. 4 Sprinkler Recalls – Russ Fleming, PE
Dec. 2 Fire Protection for Transformers
Jan. 6 NFPA 20 Fire Pumps – Ken Isman, PE (Chuck to contact)
Feb. 3 Tour of Siemens/Pyro (Ed to set-up)
Mar. 3 MIC
April 7 Seminar
  • Officer Nominations due to Secretary
  • Chapter Anniversary 4/4/77
May 5 Malden Mills Loss, John Cholin, PE
June 2 Gaseous Suppression Systems Update (NFPA 2001 – Phil DiNenno, PE)
Annual/Election

*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 1½ 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 2002-2003

Standing Committees
Program:
  Mike Newman, Peter Rullo, Co-Chairs, with input from all members
Consulting – Nick Chergotis & Chuck Gandy
NY Chapter Liaison:
  Rich Reitberger (Pat Egan back-up liaison)
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/Historian:
  Jim Tolos
Communications:
  Fusible Link: Brad Hart, Interim Editor
  Dave Gluckman, Asst. Editor
  Ana Crisostomo, Publishing
Mailing/Automation: Vicky Serafin

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
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
  Jerry Naylis
MEETING NOTICE

Date: Monday, Sept. 9, 2002
Place: Hanover Manor
       16 Eagle Rock Avenue
       East Hanover, NJ

Price: In Advance - $22 At Door - $25
Dinner: Prime Rib or Fish
Social Hour: 5:00-6:00 (Cash bar for mixed drinks)
            Dinner at 6 PM
Speaker: Plastic Pallets vs. Commodity Classification
        (TVA Presentation, Chuck to present)
Topic: Viking Upright ESFR Sprinkler Heads

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:

Michael Newman
Johnson & Johnson
One Johnson & Johnson Plaza
New Brunswick, NJ 08933

NAME: ______________________________________________________

COMPANY:_________________  TELEPHONE_____________________

☐ Prime Rib  ☐ Fish

ALL RESERVATIONS SHOULD BE RECEIVED BY FRIDAY, September 6, 2002. TELEPHONE RESERVATIONS OR CANCELLATIONS SHOULD BE RECEIVED BY NOON OF THE MEETING DAY.
Fusible Link Editors NJSFPE
C/o Rich Reitberger
Affiliated FM Ins. Co.
400 Interpace Parkway
Parsippany, NJ 07054