Message from Chapter President...

As we approach the holiday season I along with the Officers and Board of Directors of the NJ Chapter of SFPE wish all of you and your families a healthy, happy, enjoyable and fire safe holiday season and up coming New Year.

At the recent National Annual Meeting our New Jersey Chapter was honored by the SFPE Board of Directors with a Chapter Excellent Award - Silver level. This award recognizes Chapters that demonstrate excellence in contributing to the needs of their members and the Society. Immediate Past President Sarge Slicer accepted the award on our behalf. Congratulations to the membership, Officers and Board of Directors on a job well done and keep up the great work.

We also wish Ed Armm our Secretary speedy recovery as he is at home on sick leave. All the best Ed from all of us at the Chapter.

See you all at the December meeting.

Rich Reitberger
Chapter President
The meeting was called to order by Chapter President Rich Reitberger at 6:10 PM. Introductions of all in attendance followed a salute to the flag.

Minutes from the October meeting were referred to in the *Fusible Link*. A motion was made to accept and was passed. The treasurer’s report was read by Bob Murray, Chapter Treasurer. Motion made to accept and passed.

Sarge Slicer gave a recap of the October SFPE National Meeting and professional development conference held in San Diego. He gave a brief recap of a number of interesting topics and statistics covered at the meeting.

- There was a good session on how to deal with the media after a significant loss. Especially if you are asked for your expert opinion of what happened.
- We now have approximately 4800 members in 57 chapters.
- The NJ Chapter was presented with a silver excellence award for its contributions and proactive Chapter organization.
- National has reformatted its website with more information and functionality. Check it out at www.sfpe.org.
- Glenn Dietz announced the application of Fred T. Nucifora, Project Manager from Hoffman LaRoche in Nutley, NJ, as a chapter supporter. A motion was made to accept the application. Motion was passed by the voting membership in attendance. Welcome aboard, Fred.
- FM Global was given the first David A. Lucht Lamp of Knowledge Award for promoting Fire Protection Education.

Bob Murray showed a video taken on the Chapter’s FM Global field trip on October 18. A dust explosion test, roof uplift test and windstorm projectile test were shown.

Vinnie Fichera introduced tonight’s speaker Paul Cacioppo, VP, from Landmark Fire Protection and Jerry Brunello and Glenn Phillippi of United Fire Protection. They spoke on the fire protection installations their companies made in the Statue of Liberty.

**Landmark Fire Protection Notes**

Landmark installed both standpipe and sprinklers in the Statue and its pedestal. All materials and installers had to be transported via boat. This along with day-to-day stringent site security protocols added significant time required for the installation. They were not allowed to drill into any portion of the Statue or framework. All pipes had to be secured via friction clamps. A 500 gpm pump was installed in the pedestal section along with standpipe for all pedestal levels. Approximately 180 heads were installed in the pedestal and two in the crown section. Because temperatures in the crown section can reach extremes during the summer, 212°F heads were installed. Standpipe and sprinkler systems are wet systems. It has been determined there is no danger of freezing. Getting those last two heads installed in the crown was quite a job as the pictures shown of the installation process revealed.

**United Fire Protection**

Previous spot smoke detectors installed in 1986 had been disconnected due to operational problems and a new system was needed. Beam detection would not work as the Statue sways up to 3 inches in 50 mph winds.

It was decided that a Fenwal AnaLaser II air sampling system would be used. Most smoke detectors alarm at 3% obscuration. This Fenwal system is 1000 times more sensitive and far more reliable. It detects particle size and includes this as one of the alarm variables. The air sampling system consisted of two detector manifold sampling trees with multiple sampling points at different vertical levels. A demonstration of the detection system was given at the close of their talk.

The meeting was adjourned at 8:15 p.m.
Career Opportunities...

Project Manager
Fire Protection Engineering

Job Reference Code:
23-MH318

Location:
Duluth, Georgia (Metro-Atlanta)

Relocation:
A relocation package will be provided for the selected candidate.

Description:
Take full responsibility for all aspects of each project. The first objective is to deliver exceptional value to the client, exceeding his/her own expectations. The second objective is to manage the project responsibly and profitably. Position does not require sales to new clients.

Basic Qualifications:
Ready to assume project management and senior fire protection engineering duties for a variety of fire protection engineering and consulting projects including fire hazard analysis, fire system design, code analysis, etc. Strong desire to engineer innovative solutions to complex fire protection or code compliance problems using a team approach. Ready for a higher level of responsibility and compensation.

P.E. in fire protection engineering preferred. BS degree in fire protection engineering or traditional engineering disciplines important. Consulting engineering and project management experience essential. Total of 5 to 10 years of varied work experience is ideal. Experience in Property Loss Control Engineering a plus.

Career Opportunity:
Harrington Group, Inc. was founded in 1986 in Atlanta. We enjoy a national reputation for honest hard work, creative solutions, and exceptional value delivered to our clients. We are well managed and profitable. We are currently growing and demand for our services is high. Our 5-year plan includes continued strong growth, which will provide opportunities for our associates to grow in responsibility and compensation.

Harrington Group is an Open-Book company. We share all company financial performance information with our associates on a monthly basis. We encourage our associates to “think like owners” and participate in the continuous improvement of the firm, based upon real-time financial performance information.

Contact Information:
John Callahan   973-765-9200
Millennium Search Associates, LLC
jeallahan@msasearch.net

APPLY:
E-mail Resume in Word Document format to:
23-MH318@apply.maxhire.net

Fire Protection Engineer
Entergy Corp., Vermont

We are seeking qualified candidates with a Bachelor of Science degree in Fire Protection Engineering, or equivalent plus 3 to 5 years of applied fire protection program experience in a nuclear power plant environment.

Anyone interested please call Lee White at 504-576-6747 or email resume at LWhite6@entergy.com.

Risk Engineering Property Consultant - Zurich

Zurich Financial Services (www.zurich.com) is an insurance-based financial services provider with a global network that focuses its activities on its key markets in North America and Europe. Founded in 1872, Zurich is headquartered in Zurich, Switzerland. Through its offices in more than 50 countries, 57,000 Zurich employees serve clients in more than 120 countries. In North America, Zurich (www.zurichna.com) is a leading commercial property-casualty insurance provider serving the global corporate, large corporate, middle market, small business (not offered in Canada), specialties and programs sectors.

Position Location:   New York, New Jersey area
Position ID:   9647

We are seeking a Risk Engineering Property Consultant with the following skills: Under limited management and technical direction, provides advanced level risk assessment and intermediate risk improvement services for customers and business partners; provides basic level training for customers, service design and coordination, mentoring, marketing, and loss investigations.

Qualified Candidates will possess: Bachelors Degree or equivalent; three or more years of experience evaluating property for associated risk and exposures; predominantly field position, surveying account locations in the NJ-NY area, with some minor account coordination; solid knowledge of highly protected risk market; demonstrated proficiency related to PC and software applications; history of working successfully in a team environment; high level of knowledge regarding exposures and controls; advanced level of knowledge within industry segment

This position is also eligible for a company car.

We can offer you competitive compensation, training and career development opportunities. If you are looking for a world class, forward thinking team environment that provides you with the tools to achieve your goals, visit our Career Center at www.zurichna.com and search for Position ID # 9647. All qualifying candidates will be subject to a complete background check. An EEO/AA Employer, in North America, Zurich supports a diverse workforce.
2. OBJECTIVES

The main objectives of the study were to provide the DETR (responsible for framing and administering Building Regulations) and the PIT industrial partners, with conclusions, recommendations and guidance supported by a sound research base, on the implications for fire safety for cable installations in hidden voids. The following objectives were itemised:

- To achieve a fire science basis for the mitigation of fire hazard and risk from installations of communication cable (now considered a “constructin product” and therefore subject to the European Commission’s Construction Product Directive (CPD 1988), in building voids and promote its application through publication of a range of practical tools including the principles of fire safety engineering.

- To disseminate the results of the studies through national and international Standards bodies and to the fire community at large through journal papers and conferences to ensure that the results of the work can be properly exploited by industry and by fire safety practitioners within a fire safety-engineering framework. (It was not an objective of this work to bring forward new regulations but to provide authoritative, well-informed guidance to underpin future non-prescriptive fire safety engineering solutions).

- To ensure that the cable and allied industries benefit by being fully briefed with sound fire science data when contributing to the development of any new testing regimes that might arise from Standards bodies and any performance based non-prescriptives regulations, which may call upon the test data. In addition, specifiers, manufacturers, designers, suppliers, end users and insurance interests should benefit from a better understanding of the fire behavior of communication cables in a wide range of building fire scenarios.

3.1. Cable Installation Surveys

Four surveys were carried out on buildings with a high element of Information Technology usage, to confirm the magnitude of the potential fire hazard. On each survey, FRS/BRE was assisted by staff from BICC “Brand-REX” or Lucent Technologies to identify the cable types present and comment on the structure and design of the installations with regard to potential fire hazard. Of particular interest were the volume of cables, fire loadings in offices, compartment size (or ineffectively compartmented spaces), number of cable generations, airflow rates, fire protection systems and maintenance and inspection procedures.

3.2. Small-Scale Studies

Cone calorimetry was carried out by the University of Salford in the UK and bomb calorimeter data obtained from DuPont and Lucent Technologies, to provide a database of cable flammability properties in Standard apparatus for use in numerical modeling including:

- ignition behavior,
- gross and net heat release,
- smoke production

To be continued in the January 2006 issue of the Fusible Link
At the SFPE Annual Awards Banquet during the Society’s Annual Meeting in La Jolla, CA on Monday October 17, 2005 the NJ Chapter was one of five Chapters to receive the Silver SFPE Chapter Excellence Award Patch. The award was received by Sarge Slicer, NJ Chapter Past President and it was his efforts submitting the required forms and documentation that made it possible for us to receive this award. The other four Chapter Silver winners were Hawaii, Pacific/Northwest, New York Empire and Southern Nevada/California.

Four Chapters received the Gold Patch - Central Savannah River, Philadelphia-Delaware Valley, Rocky Mountain, and Southeastern. Bronze Patches were awarded to the San Diego, National Capital Region-Canada, New York Metropolitan and Tennessee Valley Chapters.

Earlier in the day at the Annual Meeting Sarge Slicer presented Doug Brandes, Chair of the SPFE Educational and Scientific Foundation a check for $500 as a donation from the Chapter to the Foundation.

The next Annual Meeting will be in the Baltimore area in conjunction with the Society’s Professional Development Week October 15-20 2006.

Also check out the new look of the SFPE web site at www.sfpe.org.
I have been asked by Rich Reitberger to find out how many of our members who are eligible would be interested in the Chapter holding an induction ceremony during a chapter meeting. Below is an article about the Order of the Engineer by Scott Grainger. Scott is SFPE’s point person in setting up the ceremony.

The Order of the Engineer (OE) provides public and personal recognition of your dedication, as an engineer, to the pursuit of the learned profession of engineering in the spirit of public service. Your integrity is of greater importance than money. The identifier or symbol of having taken the obligation is a stainless steel ring worn on the little finger of the working hand.

Are you eligible? You are if you are a practicing engineer or an engineering student in the last semester of an ABET accredited curriculum. Licensure as a Professional Engineer (PE) is not required.

The induction ceremony includes signing The Obligation which states:

“I am an Engineer”. In my profession I take deep pride. To it I owe solemn obligations. Since the Stone Age, human progress has been spurred by the engineering genius. Engineers have made usable Nature’s vast resources of material and energy for Humanity’s benefit. Engineers have vitalized and turned to practical use the principles of science and the means of technology. Were it not for this heritage of accumulated experience, my efforts would be feeble.

I, “your name”, pledge to practice integrity and fair dealing, tolerance and respect; and to uphold devotion to the standards and the dignity of my profession, conscious always that my skill carries with it the obligation to serve humanity by making the best of the Earth’s precious wealth.

As an Engineer, I shall participate in none but honest enterprises. When needed, my skill and knowledge shall be given without reservation for the public good. In the performance of duty and in fidelity to my profession, I shall give the utmost.”

There are no further meetings that members are expected to attend and no dues beyond the initial induction fee which is essentially the cost of the ring and the certificate. The Order exists for the sole purpose of inducting members, having them take The Obligation, thereby reminding participating Engineers of their responsibility to the public, similar to the Hippocratic Oath taken by medical doctors.

The first ceremony in the US was June 4th, 1970 at the Cleveland Engineering and Scientific Center auditorium, Cleveland State University. The first joint ceremony of a university and professional engineering society was held in Akron, Ohio in 1971. The concept for the OE in the US stems from a Canadian Engineering practice that began in 1926. The Canadian ritual included the Rudyard Kipling Oath and presentation of an iron ring to be worn on the little finger of the working hand. The early Canadian iron rings may have represented the structural members of a major railroad bridge that failed, in about 1906, causing many fatalities.

The OE is a simple organization with an important but simple purpose. Additional information is also available at http://www.order-of-the-engineer.org.

Please contact me at sargeslicer1@myibocs.com or 973-993-5947 if you interested.
Meeting Dates/Program 2005-2006

(Programs Subject to Change)
Watch web page concerning cancellation in case of possible inclement weather conditions

Dec. 5  “Integration of Mass Notification in NFPA 72.” “The background of the incorporation of Mass Notification in NFPA 72 will be reviewed and the proposed changes to the National Fire Alarm Code to accommodate integration of Mass Notification systems with fire alarm systems will be presented.” Ray Grill, Fire Business Area Leader of the Americas for Arup” will be the speaker

Jan. 9  Changes to NFPA 20 - Fire Pump Standard - Presentation by Ken Isman

Feb. 6  Egress Modeling discussion and software presentation - Ed Arm, RJA

March 6  Combustible Dusts - Demonstration of deflagration in explosion apparatus - John Cholin, JM Cholin Associates

April 3  Foam Protection & the environment

May 1  Tyco Trailer Demonstration

June 12  Annual Meeting/Losses - Mike Newman, Johnson & Johnson, John Cholin, JM Cholin Associates

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 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 fiscal year.
MEETING NOTICE

Date: December 5, 2005

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(s): Ray Grill, Fire Business Area Leader of the Americas for Arup

Topic: Integration of Mass Notification in NFPA 72

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

__________________________________________________________________________________________

PLEASE COMPLETE AND RETURN WITH YOUR CHECK PAYABLE TO “SFPE NJ CHAPTER” TO:

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

NAME: ________________________________________________________________

COMPANY:___________________________TELEPHONE:________________________

ALL RESERVATIONS SHOULD BE RECEIVED BY FRIDAY, DECEMBER 2, 2005. TELEPHONE RESERVATIONS OR CANCELLATIONS SHOULD BE RECEIVED BY NOON OF THE MEETING DAY.
**2005-2006 Chapter Committees**

**STANDING COMMITTEES**

**Program**
Dave Gluckman, Chairman
Consulting - Nick Chergotis & Peter Rullo

**Arrangements**
Vicki Serafin, Chairwoman

**Membership**
Glenn Deitz, Chairman

**Nominating**
Sarge Slicer, Chairman
Glenn Deitz
Bob Murray

**Scholarship Fund**
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Robert Hall
Mike Machette
Dave Gluckman

**Auditing**
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**Archivist**
Nicole Davidowitch

**Historian**
Jim Tolos

**Communications**
Vicki Serafin

**Fusible Link**
Brad Hart, Editor
Dave Gluckman, Asst. Editor
Ana Crisostomo, Publishing
Vicki Serafin, Distribution

**SPECIAL COMMITTEES**

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Jim Tolos, Chairman
Joe Janiga - Co-Chairman

**Career Recruitment**
Al Dopart, Chairman
Glenn Deitz
Dave Gluckman

**Golf Outing**
Richard Reitberger, Chairman

**Awards**
Rich Reitberger, Chairman
Frank Savino

**NY Chapter Liaison**
Tom Kuhta (Pat Egan back-up liaison)

**PE Examination**
John Cholin, Chairman
Joe Janiga
Mike Newman
Chuck Gandy

**Joint Seminar/Chapter Seminar**
Richard Reitberger, Chairman
Vinnie Fichera
Dave Gluckman

**Legislative**
Rich Reitberger, Chairman
Vinnie Fichera
Jerry Naylis

**P.E. Test Questions**
Chuck Gandy, Chairman

**Finance**
Rich Reitberger - Chairman
John Cholin
Bob Murray