Message from Chapter President...

By now you have received the flyer for the Chapter Spring Technical Seminar which will be held on April 3, 2006 at the Hanover Manor in East Hanover, NJ. This will be an all day event. We will not have an evening meeting that day and all Chapter business will be conducted during the seminar breaks. The morning session on the analysis by Hughes Associates, Inc. on why the WTC towers fell will focus not only on the technical aspects but also on human behavior factors of the occupants. The afternoon session will focus on foam protection systems, products and environmental concerns. This seminar is beneficial to all and should not be missed. Our February meeting is the 6th so see you all there.

Rich Reitberger,
Chapter President
The meeting was called to order at 6:00 by Rich Reitberger, our President. Introductions followed the salute to the flag as is our custom.

The December minutes were approved as published in the Fusible Link. The treasurer’s report for January was read and accepted.

We had no applications for membership tonight.

Ed Armm informed the membership that the NY SFPE will be holding their annual joint meeting with the New York Fire Safety Directors Association at the NY Fire Museum on January 17 and told anyone that wishes directions to email him. He advised everyone that the museum should be seen at least once if not for the meeting then whenever you have a half day to spend. Ed went on to let everyone know that the NY SFPE will be holding the Spring Seminar in May. As the date gets closer Ed will update the NJ membership.

Rich Ravaioli advised us that things were happening rather quickly in Trenton such as Assembly Bill 4161 which will require all contractors to pay prevailing wages when working at any state building or with ≥ 55% occupancy by state employees. Another Bill will require Night Clubs, both new and existing, to be fully sprinklered with a partial fire alarm or partially sprinklered with a full fire alarm, the fire alarm system must monitor the sprinkler and control emergency lighting and PA systems. This partial fire alarm system must be capable of supervising the sprinklers and the PA, and turn on the emergency lighting and sound evacuation appliances should water flow.

Tonight’s presentation was “NFPA 20 - Standard for the Installation of Stationary Pumps for Fire Protection - 2007 Edition” Vinny Fichera introduced Ken Isman, P.E. who is the Assistant VP of Engineering for the National Fire Sprinkler Association (NFSA). Even though Ken is an old friend to the chapter he started off asking that we do not shoot the messenger.

Ken reminded that all code committees are made up of representatives of different groups to include manufacturers, engineers, technicians, trade organizations, the insurance industry, building owners and so on. As such some changes are for less then scientific reasons and simply satisfy agendas of individuals or groups. The only way to change this is if we all participate.

Ken brought us up to date on some changes to the code making process with an explanation of the acronym NITMAM which stands for Notice of Intent to Make A Motion; this will prevent people from attending NFPA meetings with the intent of making a motion on the floor that no one is prepared for. Another change is that, much like new cars, the standards will come out in the fall with the date of the coming year. This will explain that the latest edition of NFPA is 2003, the next edition will be issued in August of 2006 but the standard will be titled 2007. The process to get there as Ken explained was for the ROP or “Report On Proposals” to take place in March of 2005, the ROC or Report on Comments took place in September of 2005, the Notice of Intent to Make a Motion Closing Date will be April of 2006. Finally the standard will be brought to the floor of the NFPA meeting this coming June where it will be voted on after motions are discussed or debated as you will, the next step is the standard will go to the Standards Council in July of 2006 and be released in August of 2006 as NFPA 20 - 2007 edition.

Ken then informed us that the NFPA publication Pumps for Fire Protection” was available and had recently been updated and revised by himself and Milosh Puchovsky, P.E.

The next topic of Ken’s presentation dealt with the definition of an “Alarm” vs. a “Signal” which has had more verbiage added to it and yet remains confusing to those from the electrical detection side of the industry.

Areas of change in the new standard include Pump Rooms, Diesel Engines, Limited Service Controllers, Acceptance Testing, Discharge Pressures, the use of the Pressure Relief Valve and finally Holding and Break Tanks.

After a short Q & A session the meeting was adjourned at 8:00.

ORDER OF THE ENGINEER

In the December issue of the Fusible Link I wrote an article about the Order of the Engineer and for anyone interested to contact me. We were looking to see if we had enough interest to host our own ceremony. At this point we have had limited response so we will not be hosting a ceremony.

But if you are still interested I have just been informed that West Point will be hosting a ceremony on April 19, 2006. The program will include dinner at a cost of about $10.00 per person. The application fee for OE will be $15.00

For additional information on OE see their website at www.order-of-the-engineer.org.

Please let me know by February 15, 2006 if you would be interested in attending the West Point ceremony or if you have any questions.

J. Sargent Slicer
Slicer & Associates
Fire Protection & Loss Prevention Consulting
973-993-5947
973-493-0369 - Mobile
866-395-6172 - VM & Fax
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 
jcallahan@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.

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J. Sargent “Sarge” Slicer

22 Laurel Street  Office  973-993-5947
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CITY FIRE EQUIPMENT CO., INC.
Cable Fires In Hidden Voids - New Dangers Discovered
Coldwell R., Fardell P.J., Hoare D. Chitty R.
Fire Research Station, Building Research Establishment Ltd.

This is the fourth installment of a technical article from the Fire Protection Research Foundation from the symposium dated June 28-30, 2000

4.2 Small-scale Testing
Results from the cone calorimeter and bomb calorimeter showed that these tests on their own are incapable of predicting performance in real-scale tests. These small scale tests however provided valuable thermal properties information and reaction-to-fire data for the numerical modelling aspects of this study.

4.3 Real-scale scenario-based tests
Results are presented here for two of the several aspects of the study:

(i) Cables passing Standard tests. 6 tests which provided a comparison of relative performance of three Standard fire test categories of cable using both 4 pair and 25 pair cable types.

(ii) Tests with the plenum airflow switched off. There is a view that the additional hazards which could arise through operation of the HVAC system in a hidden void during a cable fire in the void could be largely mitigated by simply turning off the HVAC system. This is based on the premise that with no forced ventilation within the void, there can be no hazard, since there will be insufficient oxygen to support sustained combustion and transport of fire and fire products around the building would be prevented. For this reason two tests were conducted, using the same NFPA 262 and IEC 60332-3 cable used in the comparison tests, with the plenum airflow switched off, to establish if this assumption was correct.

4.3.1 Comparison of Standard test cables
A brief summary of the six tests comparing the performance of cables which have passed three standard fire tests shown in Table 2. The table indicates the generic cable type and twisted pair number, standard fire test rating and a comment on the test performance in the BRE/FRS plenum test rig.

Notes for Table 2
1. “Low Smoke Zero Halogen” formulation but with PVC included.
2. International Electrotechnical Commission test (used in Europe, small scale, flame impingement).
3. International Electrotechnical Commission test (used in Europe, large scale vertical sample exposure).
4. Halogenated cable material based on FEP fluoropolymer. Plenum rating refers to US designation, suitable for installation in a plenum space with no other protection.
5. NFPA test using the “Steiner tunnel” apparatus. (moderate to severe horizontal sample exposure).
6. 200 lengths of the 4 pair cable and 40 lengths of the 25 pair cable were used in each test to give a similar fire load.

To be continued in the March issue of the Fusible Link.
Society of Fire Protection Engineers
New Jersey Chapter
Proudly Announces

SPRING TECHNICAL SEMINAR 2006
Monday April 3rd, 2006
East Hanover, NJ

Time: 8:30 am to 3 pm  Place:  Hanover Manor
16 Eagle Rock Ave
East Hanover, NJ  07936
973-992-7425

Morning
Detailed Analysis of Why the WTC Towers Fell: by Hughes Associates, Inc.
Fire Safety Lessons to Better Protect People and Buildings
Experts from the firm that conducted the forensic analysis have developed a program specifically for fire safety professionals. Join this panel discussion to explore the theory behind the cause of the collapse, the resulting human behavior during the emergency evacuation and the impact of the investigation findings on the code making process. Most importantly, attendees will take away key lessons learned that they need to incorporate into their fire safety programs to better protect people and buildings in today's era of catastrophic risk.

Glenn D. Buser, P.E., is Vice President and Director of Risk Control Services. He is responsible for the analysis, planning, and execution of property risk control programs for global risk management and insurance industry clients. Mr. Buser has spent the last 30 years helping companies better protect their operations and employees.

Derek A. White, P.E., Senior Engineer with 15 years of experience in industrial fire protection. In addition to serving clients, he has spent the two years following the 9/11 events working on the forensic evaluation of the WTC 9/11 event supporting the Silverstein legal team in its litigation with insurers to prove multiple loss events.

Steven M.V. Gwynne, Ph.D., Senior Scientist for modeling human behavior during egress and emergency evacuations of buildings. He has spent the last several years studying major loss of life disasters, such as the WTC 9/11 event, and developing new human behavior models and tools to support client evacuation and human safety.

Afternoon
Foam Protection & The Enviroment: by TBA
Update on the current status of foam protection products, properties and the effects on the environment.

Course CEUs will be awarded for those who attend (0.6 CEU/6.0 contact hours).
Coffee and Danish will be served in the AM. Buffet lunch served at Noon.

Price for the seminar is $75
REGISTRATION FORM  (REGISTRATION LIMITED)

Price for the seminar is **$75**
(make checks payable to “NJ Chapter SFPE”)

Name _____________________________________

Address _________________________Phone No._____________

City ________________________State ________Zip__________

Amount Enclosed $________________

Mail to:  NJSFPE Spring Seminar
         c/o Vicki Serafin
         P.O. Box xxxx
         Parsippany, NJ

Questions or to reserve your seat in advance please call Vicki Serafin at 973-541-6771

Directions to the Hanover Manor are attached.
DIRECTIONS TO THE HANOVER MANOR

The Hanover Manor
16 Eagle Rock Avenue
East Hanover, NJ 07936
Phone: (973) 992-7425
Alternate: (973) 887-2682

The Hanover Manor is located on Eagle Rock Avenue in East Hanover, New Jersey. Entrance to parking lot from Eastbound or Westbound Eagle Rock Avenue.

Coming From PA or Route 80 East: Take Route 80 East to the Route 280 cutoff. Take Route 280 East to Exit 1. Go straight through the light at the end of the ramp and bear right onto Ridgedale Avenue. Follow Ridgedale approx. 1.2 miles (road makes a sharp bend) and make a left onto Eagle Rock Avenue. Take Eagle Rock Avenue about 1/10 mile to the Hanover Manor on the left.

Coming From New York City: George Washington Bridge to Route 80 West. Get off at Exit 52. At end of ramp, make a right onto Two Bridges Road, which will lead into Passaic Avenue. At the end of Passaic Avenue make a right onto Eagle Rock Avenue. Take Eagle Rock Avenue about one mile until you see Hanover Manor on the right.

Coming North on Garden State Parkway: Take Parkway North to Exit 145 (Route 280). Take Route 280 West to Exit 4A. At first traffic light, turn right onto Eagle Rock Avenue. Go about one mile to Hanover Manor on the right.

Coming South on Garden State Parkway: Take Parkway South to Route 80 West. Take Route 80 West to Exit 52. At the end of the ramp, make a right onto Two Bridges Road, which will lead into Passaic Avenue. At the end of Passaic Avenue make a right onto Eagle Rock Avenue. Take Eagle Rock Avenue about one mile until you see Hanover Manor on the right.
Meeting Dates/Program 2005-2006

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

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

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

April 3  (8:30 - 3:00 PM) NJ Chapter Spring seminar. Major subject to be covered are the results of the Hughes investigation of the World Trade Center (some differences to the NIST findings) and Foam Protection and the Environment

May 1  Tyco Trailer Demonstration

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

June 26  Joint NY & NJ Golf Scholarship Outing - West Point, NY

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 fiscal year.

NJ CHAPTER SEMINAR - APRIL 3

Included in this edition is a flier announcing the seminar that the chapter is organizing and which will be held at the Hanover Manor. Two topics will be covered including new finding as to the causes of the World Trade Center and recommendations that should concern anyone either working in a high rises or who provide fire protection related services to them.
MEETING NOTICE

Date: February 6, 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): Ed Armm, RJA

Topic: Egress Modeling discussion and sofware presentation

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, FEBRUARY 3, 2005. TELEPHONE
RESERVATIONS OR CANCELLATIONS SHOULD BE RECEIVED BY NOON OF THE MEETING DAY.
2005-2006 Chapter Committees

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Consulting - Nick Chergotis & Peter Rullo

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Glenn Deitz, Chairman

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Tom Kuhta (Pat Egan back-up liaison)

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Joint Seminar/Chapter Seminar
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